



### **5.1.3**

**Percentage of students benefited by guidance of competitive examinations and career counseling offered by the institution during the last five years.**

**Greater Noida Institute of Technology (Engg. Institute)**

**Plot No. 7, Knowledge Park II, Greater Noida  
Uttar Pradesh 201310 India**

**5.1.3 Percentage of students benefitted by guidance of competitive examinations and career counseling offered by the institutions during the last five years (Institution Level)**
**Expert Lecture , Seminar, Workshops and industrial visits (2021-22)**

Sr. No.	Year	Date	Name of Event	Participant
1	2021-22	23-Nov-21	Startup a revolutionary world a journey from job seeker to creator	159
2	2021-22	18-Nov-21	Brand you	105
3	2021-22	25-Nov-21	campus to corporate	187
4	2021-22	25th Sept.2021	Webinar on LabView	146
5	2021-22	23rd October 2021	MACHINE LEARNING IN HEALTHCARE	139
6	2021-22	28-29 Oct, 2021	Hardware design using Digital & HDL & implementation on FPGA	60
7	2021-22	25th Nov.2021	Industrial Visit to Airports Authority of India	57
8	2021-22	30th Nov.2021	One Day Hands on Training on Circuit Design	46
9	2021-22	15th Dec. 2021	Hands on Training on Arduino & Its Applications	48
10	2021-22	6th Jan 2022	Expert Talk on " Game Theory"	174
11	2021-22	22nd Jan 2022	Webinar on " Application & Scope of Arduino Platform in IOT	167
12	2021-22	8th Feb.2022	DEEP LEARNING & ITS APPLICATIONS	104
13	2021-22	17 <sup>th</sup> Feb, 2022	Expert Talk on The best way to predict the Future is to create it	207
14	2021-22	28 <sup>th</sup> Feb, 2022	DESIGN THINKING, CRITICAL THINKING & INNOVATION DESIGN	109
15	2021-22	3rd March, 2020	Industrial Visit to OMAC Automation	41
16	2021-22	28 Mar-1 Apr 2022	FPGA Prototyping with Xilinx Tools	46
17	2021-22	29th April 2022	Innovative Projects- Projects as a Product	156
18	2021-22	7 <sup>th</sup> May, 2022	Demystifying Cloud Computing for industry	51
19	2021-22	25-May-22	Intellectual Property Rights & IP Management for a start-up	140
20	2021-22	13-12-21	"Machine Learning and Artificial Intelligence".	49
21	2021-22	23.10.2021	"Entrepreneurial opportunities in India and Start-up India"	53
22	2021-22	31-Mar-22	INDUSTRIAL VISIT	51
23	2021-22	11-Mar-22	"How to plan for Start-UP and Legal & Ethical Steps"	106
24	2021-22	07-10-22	HANDS-ON PRACTICE (DATA ANALYSIS USING PYTHON)	106
25	2021-22	11-Oct-22	"International Day of the Girl Child	106
26	2021-22	27-Nov-21	INDUSTRIAL VISIT	49
27	2021-22	26.10.2021	INDUSTRIAL VISIT	51
28	2021-22	11-11-22	Internship and Placement outside the college	56
29	2021-22	28th Sep, 2021	Intellectual Property (IP) Literacy	55
30	2021-22	22nd Feb, 2022	Introduction to RPA	72
31	2021-22	30-11-21	Online Counseling and Doubt Clearing Session	76
32	2021-22	31-01-22	Amazon Web Services	78
33	2021-22	14-02-22	Control System	76
34	2021-22	25-02-22	Renewable Energy Sources	77
35	2021-22	16-03-22	Health Awareness	81
36	2021-22	30-03-22	Social Behaviour Change in Corona Times	80
37	2021-22	06-04-22	Deregulation in Electric Power System	74
38	2021-22	11-05-22	Design and Installation of Solar Photovoltaic System	76
39	2021-22	08.10.2021	Seminar on Advancement in Concrete Technology and New Inventions	45
40	2021-22	24.02.2022	Seminar on Advancement in Concrete Technology and New Inventions	41
41	2021-22	25.01.2022	Webinar on 'Applications of GIS & Remote Sensing in Civil Engineering'	40

42	2021-22	25.02.2022	Webinar on Renewable Energy Resources	29
43	2021-22	23.02.2022	Student Development Program on How to Stay Safe on the Internet	23
44	2021-22	25-Sep-21	"Hybrid additive Manufacturing"	37
45	2021-22	26-Oct-21	Technical Quiz	60
46	2021-22	27-Oct-21	"Best out of waste competition"	32
47	2021-22	29-Oct-21	"Entrepreneurship in rural and urban setting"	32
48	2021-22	27-Nov-21	"Introduction to project design and optimization"	40
49	2021-22	02-Dec-21	Industrial visit	67
50	2021-22	03-Dec-21	Health check-up	17
51	2021-22	09-Dec-21	Industrial visit	50
52	2021-22	09-Feb-22	Expert talk	59
53	2021-22	21-Feb-22	"Automation studio software	47
54	2021-22	22-Feb-22	"Industrial Automation"	21
55	2021-22	14-Mar-22	"Auto CAD"	31
56	2021-22	18.10.2021	Strategy for Start ups	82
57	2021-22	25.10.2021	Intellectual Property Rights	89
58	2021-22	25.05.2022	Expert Talk	81
59	2021-22	26.05.2022	Industrial Talk	78
60	2021-22	17.07.2021	GATE CLASSES FOR CSE, IT, EC, EE, CE AND ME Department	317

**DEPARTMENT OF B.TECH FIRST YEAR**

Ref: - No. GNIOT/First Year/2021/Odd/Events/02

Date: 23.11.2021

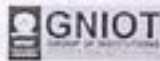
**NOTICE**

All the students are hereby informed, that under the SIP 2021-2022, Expert lecture Series, the Department of B.Tech First year is organizing an expert lecture for the newly inducted students. The lecture will be delivered by Mr. Jayant Bhagat founder of Athanasius Pharma, from 11:00 AM -12:30 PM, on the topic, "Startup a revolutionary world a journey from job seeker to creator".

All the students from sections B1, A4 and A5 are required to be present in full strength in the first-floor seminar hall on time.

Dr. B. S. Chauhan  
Dean B.Tech First Year





GREATER NOIDA INSTITUTE OF TECHNOLOGY  
STUDENT INDUCTION PROGRAM  
(SEP 2021-2022)

**EXPERT LECTURE**



**EXPERT**

**Mr. Jayant Bhagat**  
Founder  
Alpharactus Pharma

Plot No. 7, Knowledge Park II, Greater Noida, UP - 201310  
[www.gniotgroup.edu.in](http://www.gniotgroup.edu.in)



Virtual Campus  
G. Noida, U.P. 201310



**Guest lecture under the category "Lectures by Eminent People"  
 REPORT**

**B. TECH, FIRST YEAR, ODD SEM. (SESSION 2021-22)**

**Relevance : Guest lecture under the category "Lectures by Eminent People" on the 7th day of the SIP-21-22 for the newly admitted students.**

Time / Date	23/11/2021		
Day	Tuesday		
	<b>Expert</b>	<b>Time</b>	<b>Title of Lecture</b>
Expert Details	Mr. Jayant Bhagat founder of Athanasius Pharma	11:00 AM - 12:30 PM	Startup a revolutionary world a journey from job seeker to creator

Under SIP 2021-22, on the 6th day, an expert lecture was organised under the category ' Lectures by Eminent People ' for the first year students. The Guest lecture was delivered by Mr. Jayant Bhagat, founder of Athanasius Pharma and the topic was 'Startup a revolutionary world a journey from job seeker to creator ' . First of all our Hon'ble Director Dr. Dhiraj Gupta formally welcomed the expert speaker and interacted with the students. He emphasised on startup and development of entrepreneurial acumen. He also enlightened the students about the challenges and hurdles they are going to face while on the path to success. Then Dr. B. S. Chauhan, Dean B.tech 1st year highlighted various aspects of the student induction program and the need for the same . He asked students to be more immersive in the program as it is to make them feel more comfortable and acquaint them with the high grade infrastructure provided by the institute. He also elaborated the different aspects of the induction program. Then , Mr. Jayant Bhagat told the students the importance of startup and why it is necessary. He also explained in detail the difference between a startup and a business and through a detailed presentation, elaborated the barriers and challenges faced by entrepreneurs in the initial years. The SWOT Analysis and the process flow in entrepreneurship were quite illuminating. The program concluded with the felicitation of the expert speaker by Dr. B. S. Chauhan Dean B.tech 1st year. The program was managed by Mr Sachin Chaturvedi, Ms Minakshi Awasthi and Ms Vasudha Tiwari and attended by faculty members from first year and HOD MCA Dr Sheelesh Sharma. Dr. Shivani Kaul , anchored the program in an effective manner and proposed the vote of thanks.





**B.TECH FIRST YEAR**
**ATTENDANCE- EXPERT TALK, 23.11.2021**

1	2100014	ABHINAV BALIYAN	CS-AI-ML	P
2	2100699	ADARSH KUMAR	CS-AI-ML	P
3	2100084	ADITYA MISHRA	CS-AI-ML	P
4	2100783	ALTAMASH QUADIR	CS-AI-ML	P
5	2100075	MD. AMBER KHAN	CS-AI-ML	P
6	2100222	ANSHIKA CHAUHAN	CS-AI-ML	P
7	2100083	ANUJ MISHRA	CS-AI-ML	P
8	2100784	ARCHIT YADAV	CS-AI-ML	P
9	2100366	ARUN PANDEY	CS-AI-ML	P
10	2100390	AYUSH KUMAR SRIVASTAVA	CS-AI-ML	P
11	2100175	AAYUSH PANDEY	CS-IOT	P
12	2100028	ABHIROOP GHOSH	CS-IOT	P
13	2100130	ABHISHEK BALIYAN	CS-IOT	P
14	2100304	ABHISHEK CHAURASIA	CS-IOT	P
15	2100426	ABHISHEK KUMAR GAUTAM	CS-IOT	P
16	2100107	ABHISHEK PANDEY	CS-IOT	P
17	2100074	ABHISHEK YADAV	CS-IOT	P
18	2100137	ADARSH TIWARI	CS-IOT	P
19	2100161	ADITYA SRIVASTAVA	CS-IOT	P
20	2100439	ADITYA THAKUR	CS-IOT	P
21	2100183	AKSHITA CHAUHAN	CS-IOT	P
22	2100352	AMAN MISHRA	IT	P
23	2100400	AMIT KUMAR	CS-IOT	P
24	2100531	AAYUSHMAAN SHARMA	IT	P
25	2100035	ABHIJEET KUMAR	IT	P
26	2100485	ABHIJEET SINGH YADAV	IT	P
27	2100180	ABHINANDAN MUKHERJEE	IT	P
28	2100533	ABHISHEK KUMAR	IT	P
29	2100403	ABHISHEK SINGH	IT	P
30	2100442	MD ABU TALIB KHAN	IT	P
31	2100189	ADITYA KUMAR SINGH	IT	P
32	2100462	AFIYA TABASSUM	IT	P
33	2100776	AJAY KUMAR	IT	P
34	2100061	ALOK KUMAR	IT	P
35	2100545	AMAN ALI	IT	P
36	2100269	AMAN KUMAR	IT	P
37	2100072	AMAN KUMAR SINGH	IT	P
38	2100388	ANANT KUMAR	IT	P
39	2100542	ANKIT VERMA	IT	P
40	2100763	ANKUR SAINI	IT	P
41	2100455	ANSHUL BITHARIYA	IT	P
42	2100468	ANUSHKA PRAJAPATI	IT	P
43	2100347	ARNAV KATIYAR	IT	P
44	2100441	MOHD ARSHIL	IT	P
45	2100239	ASHISH KUMAR JHA	IT	P





46	2100042	ASHUTOSH KUMAR CHOUBEY	IT	P
47	2100457	ASHVANI SINGH	IT	P
48	2100152	ABHISHEK	CE	P
49	2100111	ABHISHEK THAKUR	CE	P
50	2100070	AKASH KUMAR YADAV	CE	P
51	2100364	ALI MOHAMMAD	CE	P
52	2100714	ARUNISH KUMAR	CE	P
53	2100250	ASHRAF ALAM	CE	P
54	2100858	ANURAG YADAV	IT	P
55	2100861	HARSHIT SHARMA	IT	P
56	2100354	DEEPAK	CS-AI-ML	P
57	2100240	DIPANKAR GOGOI	CS-AI-ML	P
58	2100172	DIPANSHU SHARMA	CS-AI-ML	P
59	2100232	FAZAL SINGH	CS-AI-ML	P
60	2100155	GAGANSHU YADAV	CS-AI-ML	P
61	2100767	GAZAB BHATI	CS-AI-ML	P
62	2100008	GIBRAIL ZAIDI	CS-AI-ML	P
63	2100818	HRISHIT PRANJAL	CS-AI-ML	P
64	2100387	HARSH BHATI	CS-AI-ML	P
65	2100219	HARSH GOUR	CS-AI-ML	P
66	2100230	ANAND KUMAR YADAV	CS-IOT	P
67	2100097	ANKIT KUMAR	CS-IOT	P
68	2100750	ANSHU SINGH	CS-IOT	P
69	2100259	ANURAG KUMAR	CS-IOT	P
70	2100360	ANURAG TAYAL	CS-IOT	P
71	2100099	ARSALAN KHAN	CS-IOT	P
72	2100336	ASHMIT TIWARI	CS-IOT	P
73	2100128	ASHUTOSH	CS-IOT	P
74	2100196	ASHWANI DUBEY	CS-IOT	P
75	2100369	ATUL CHAUHAN	CS-IOT	P
76	2100009	AVANISH PRATAP SINGH	CS-IOT	P
77	2100376	AYUSH PANDEY	CS-IOT	P
78	2100431	BRIJESH NISHAD	CS-IOT	P
79	2100206	MOHD ASIF	IT	P
80	2100233	MOHD ATIF	IT	P
81	2100166	ATUL KUMAR	IT	P
82	2100415	ATUL SAURABH	IT	P
83	2100202	MOHD AZEEM	IT	P
84	2100544	BHAVISHYA SRIVASTAVA	IT	P
85	2100797	BITTU KUMAR	IT	P
86	2100344	CHANDRIKA KUMARI	IT	P
87	2100529	DEV DUTT GAUTTAM	IT	P
88	2100148	DIBYANSHU SINGH	IT	P
89	2100205	FURQAN KHAN	IT	P
90	2100018	GYANENDRA KUMAR	IT	P
91	2100541	HARSH KALYAN	IT	P
92	2100477	HARSH KUMAR	IT	P
93	2100090	HARSH KUMAR SINHA	IT	P
94	2100456	HARSH SHARMA	CS-AI-ML	P
95	2100470	HARSHIT KUMAR	IT	P



96	2100507	HARSHIT SANKHWAR	IT	P
97	2100141	HIMANSHU	IT	P
98	2100540	JAYANT PANWAR	IT	P
99	2100071	JEEWAN KUMAR PASWAN	IT	P
100	2100410	JYOTI PANDEY	IT	P
101	2100696	KARTIK JHA	IT	P
102	2100671	ASHUTOSH KUMAR	CE	P
103	2100625	DEEPANSHU SHARMA	CE	P
104	2100680	FAIZ ANWAR	CE	P
105	2100092	FARHAN SAFWAT	CE	P
106	2100875	KUMAR RITESH	IT	P
107	2100862	ANSHUMAN SONI	CS-AI-ML	P
108	2100173	HIMANI SHARMA	CS-AI-ML	P
109	2100307	HIMANSHU SINGH	CS-AI-ML	P
110	2100315	HIMANSHU SINGH RAUTELA	CS-AI-ML	P
111	2100418	ISHAAN CHATURVEDI	CS-AI-ML	P
112	2100046	KAMRAN AHMAD	CS-AI-ML	P
113	2100164	MANISH KUMAR SINGH	CS-AI-ML	P
114	2100448	MOHINI RANA	CS-AI-ML	P
115	2100053	NAVANYA MAHINDERA	CS-AI-ML	P
116	2100199	DEEPIKA SINGH	CS-IOT	P
117	2100435	DHARMENDRA KUMAR	CS-IOT	P
118	2100316	DHEERAJ KUMAR	CS-IOT	P
119	2100177	DHEERAJ SINGH	CS-IOT	P
120	2100109	GAURAV JAIN	CS-IOT	P
121	2100306	GUNJAN SHARMA	CS-IOT	P
122	2100190	GWMSAR BRAHMA	CS-IOT	P
123	2100423	HIMANSHU CHAUDHARY	CS-IOT	P
124	2100216	KAUSHAL SHARMA	CS-IOT	P
125	2100449	KOMIKA KUMARI	CS-IOT	P
126	2100033	KRISHAN SHARMA	CS-IOT	P
127	2100367	KAUSHAL PAPNAI	IT	P
128	2100389	KHUSHAL KESHARI	IT	P
129	2100082	KHUSHI SINHA	IT	P
130	2100047	MAHFUZ HAIDER	IT	P
131	2100370	MANISH BHATI	CS-AI-ML	P
132	2100005	MANISHA KUMARI	IT	P
133	2100493	MAYANK GAUR	IT	P
134	2100197	NAIM AKHTAR	IT	P
135	2100760	NAVEEN KUMAR	IT	P
136	2100168	NAVEEN MISHRA	IT	P
137	2100417	NEERA RAWAL	IT	P
138	2100325	NIKHIL RAJ TRIPATHI	IT	P
139	2100478	NISHANT KESHAV	IT	P
140	2100394	NITESH KUMAR SINGH	IT	P
141	2100474	NITIN KUMAR VARSHNEY	IT	P
142	2100555	NITISH KUMAR	IT	P
143	2100142	PANKAJ YADAV	IT	P
144	2100465	PRAJWAL DWIVEDI	CS-AI-ML	P
145	2100548	PRATHAM GUPTA	IT	P



146	2100511	PRAVESH SINGH	IT	P
147	2100598	PREETI SINGH	IT	P
148	2100385	PREETI SRIVASTAV	IT	P
149	2100798	HARI THADANG	CE	P
150	2100552	MOHAMMAD IJRAIL ALI	CE	P
151	2100200	SAURABH SHARMA	CE	P
152	2100882	NIKHIL KUMAR	IT	P
153	2100857	PRASHANT TIWARI	IT	P
154	2100834	SHRADDHA KAUSHAL	CS-AI-ML	P
155	2100623	KAUSHLENDRA SAHU	IT	P
156	2100928	VIVEK KUMAR TIWARI	CS-AI-ML	P
157	2100422	VISHAL KUMAR	IT	P
158	2100962	SHIVAM SINGH	CS-AI-ML	P
159	2100965	MANISH KUMAR MANDAL	CS-AI-ML	P



**DEPARTMENT OF B.TECH FIRST YEAR**

Ref: - No. GNIOT/First Year/2021/Odd/Events/01

Date: 18.11.2021

**NOTICE**

All the students are hereby informed, that under the SIP 2021-2022 , Expert lecture Series, the Department of B.Tech First year is organizing an expert lecture for the newly inducted students. The lecture will be delivered by Dr. A K Singh, Director GIMS, from 11:00 AM -12:30 PM, on the topic, "Brand You".

All the students from sections A1, A2 and A3 are required to be present in full strength in the first-floor seminar hall on time.

**Dr. B.S. Chauhan**  
**Dean B.Tech First Year**



**GNIOT**  
GROUP OF INSTITUTIONS

**GREATER NOIDA INSTITUTE OF TECHNOLOGY**  
**STUDENT INDUCTION PROGRAM**  
(SIP 2021-2022)

**EXPERT LECTURE**



**EXPERT**

**Dr. Arun Kumar Singh**

Director

GIMS, Greater Noida



Plot No. 7, Knowledge Park II, Greater Noida, UP - 201310  
[www.gniotgroup.edu.in](http://www.gniotgroup.edu.in)

**Guest lecture under the category "Lectures by Eminent People"  
 REPORT**

**B. TECH, FIRST YEAR, ODD SEM. (SESSION 2021-22)**

**Relevance :** Guest lecture under the category "Lectures by Eminent People" on the second day of the SIP-21-22 for the newly admitted students.

Time / Date	18/11/2021		
Day	Thursday		
	<b>Expert</b>	<b>Time</b>	<b>Title of Lecture</b>
Expert Details	Dr. A K Singh, Director GIMS	11:00 AM - 12:30 PM	Brand You

Department of B.Tech First year organized a guest lecture under the category "Lectures by Eminent People" on the second day of the SIP-21-22 for the newly admitted students. The Guest lecture for Freshers was delivered by the expert, Dr. A K Singh, Director GIMS. The topic was 'Brand You'. It was a wonderful session where Dr. Singh emphasised on the importance of time management in a student's life. He advised the students to recognize the abilities they have and set up goals in life based upon the skill set they possess. The lecture 'Brand You' focused on the due process of creating a 'Brand' from whatever skill set we have. Dr. Singh also explained the difference between hobby and passion and asked everyone to follow his/her passion with zeal. He showed everyone the importance of Perseverance in achieving success. Setting up BHAGs or Big Hairy Audacious Goals in life was very important. He also narrated the success stories of successful persons and their days of struggle. Through this, he tried to clear the air that anyone can be a 'Brand', what he /she really needs is a skillful approach to all the problems in life.

All in all it was an exceptional lecture delivered by Dr Arun Kumar. The program started with the formal welcome of the guest speaker by the Hon'ble Director Dr Dhiraj Gupta. Dr Gupta interacted with the newly admitted students and explained the importance of dreaming big and how to achieve the dreams. Dr B S Chauhan Dean B.Tech first discussed the need and objectives of the Induction Program. The program conclude with the felicitation of the guest by director sir. The program was managed by Ms Minakshi Awasthi and Sachin Chaturvedi. Over 100 students from CS, EC, EE, ME and MCA attended the program along with the faculty members of first year and MCA deptt. Vote of thanks was proposed by Dr Shivani Kaul, emcee of the program.





B.TECH FIRST YEAR

ATTENDANCE- EXPERT TALK, 18.11.2021

1	2100211	NEERAJ SHARMA	CS-AI-ML	P
2	2100154	NITYAM KUMAR	CS-AI-ML	P
3	2100551	PRANAV KUMAR	CS-AI-ML	P
4	2100212	RAJEEV RANJAN MISHRA	CS-AI-ML	P
5	2100229	ROHAN KUMAR	CS-AI-ML	P
6	2100157	SAUMYA	CS-AI-ML	P
7	2100580	SAURABH KUMAR	CS-AI-ML	P
8	2100362	SHAHNAWAZ HUSSAIN	CS-AI-ML	P
9	2100207	SHARDHA SHARMA	CS-AI-ML	P
10	2100160	SHASHANK SHUKLA	CS-AI-ML	P
11	2100428	KSHITIJ ANAND	CS-IOT	P
12	2100150	MANISHA SINGH	CS-IOT	P
13	2100404	NARENDRA TIWARI	CS-IOT	P
14	2100314	NEHA BHATI	CS-IOT	P
15	2100447	NISHANT SHARMA	CS-IOT	P
16	2100163	PAWAN KUMAR	CS-IOT	P
17	2100754	RAHUL KUMAR SINGH	CS-IOT	P
18	2100287	RESHU	CS-IOT	P
19	2100579	RITESH JHA	CS-IOT	P
20	2100358	RITESH TIWARI	CS-IOT	P
21	2100267	RIYA	CS-IOT	P
22	2100102	ROHIT RISHU	CS-IOT	P
23	2100483	PRIYA YADAV	IT	P
24	2100524	PRIYANKA	IT	P
25	2100165	PRIYANSHU GANGWANE	IT	P
26	2100201	PRIYANSHU SHARMA	IT	P
27	2100496	PUNEET KASANA	IT	P
28	2100515	RAHUL DEV PANDIT	IT	P
29	2100296	RANA AMAN	IT	P
30	2100539	RAZA-KARIM	IT	P
31	2100085	RISHI SINGH	IT	P
32	2100167	RITESH MISHRA	IT	P
33	2100532	ROHIT RAM	IT	P
34	2100557	SABBU KUMAR	IT	P
35	2100543	SAJAL KUMAR RAI	IT	P
36	2100476	SANJANA KUMARI	IT	P
37	2100458	SANKALP SRIVASTAVA	IT	P
38	2100094	SATYANAM YADAV	IT	P
39	2100136	MD SAUBAN	IT	P
40	2100526	SAURABH RAJ	IT	P
41	2100063	MD SHADMAN ALI	IT	P
42	2100078	SHAHBAZ RAZA	IT	P
43	2100077	SHAHID RAZA	IT	P
44	2100519	SHAILESH RAWAT	IT	P
45	2100616	SHRIKANT KUMAR	CE	P





46	2100743	SHUBHAM PRASAD	IT	P
47	2100093	SOIB RIZWAN	CE	P
48	2100873	PUNEET UPADYAYA	IT	P
49	2100835	SANDEEP SINGH	IT	P
50	2100833	SONALI	CS-AI-ML	P
51	2100346	SIDDHARTH GAUTAM	CS-AI-ML	P
52	2100732	SIMRAN SOOD	CS-AI-ML	P
53	2100101	SOURAV KUMAR	CS-AI-ML	P
54	2100301	SUMIT RAWAT	CS-AI-ML	P
55	2100357	SUNNY ADHANA	CS-AI-ML	P
56	2100809	TARUN SINGH	CS-AI-ML	P
57	2100755	UTSAV AKASH	CS-AI-ML	P
58	2100444	VARDAN SINGH	CS-AI-ML	P
59	2100254	VARUN KUMAR	CS-AI-ML	P
60	2100088	VIRAZ ANAND GUPTA	CS-AI-ML	P
61	2100764	VISHESH VERMA	CS-AI-ML	P
62	2100110	SAYAN BHATTACHARJ	CS-IOT	P
63	2100026	SHAHID ANSARI	CS-IOT	P
64	2100010	SHIVAM BALIYAN	CS-IOT	P
65	2100800	SHIVAM SHARMA	CS-IOT	P
66	2100121	SONIYA PATEL	CS-IOT	P
67	2100353	SUMAN SAURAV	CS-IOT	P
68	2100365	SURBHI	CS-IOT	P
69	2100450	TANUJ SHARMA	CS-IOT	P
70	2100345	VIPIN BOUDDH	CS-IOT	P
71	2100395	VIPIN UPADHYAY	CS-IOT	P
72	2100489	SHAUKAT ALI	IT	P
73	2100305	SHAYAN HAIDER	IT	P
74	2100113	SHIV NARAYAN	IT	P
75	2100505	SHIVAM KUMAR	IT	P
76	2100464	SHIVAM SINGH	IT	P
77	2100420	SHUBHAM KUMAR SINGH	IT	P
78	2100756	SHUBHANGI SRIVASTAVA	IT	P
79	2100006	SUBHASH KUMAR	IT	P
80	2100574	SUDHANSHU RANJAN	IT	P
81	2100523	UDBHAV KUMAR	IT	P
82	2100454	UTKARSH KUMAR YADAV	IT	P
83	2100433	UTKARSH RAI	IT	P
84	2100017	VAIBHAV RAJ	IT	P
85	2100537	VINAYAK SRIVASTAVA	IT	P
86	2100495	VIRAT NAIN	IT	P
87	2100252	VISHAL BHATI	IT	P
88	2100481	VISHAL KUMAR SINGH	IT	P
89	2100079	VISHAL PATEL	IT	P
90	2100355	VIVEK KANSAL	IT	P
91	2100112	VIVEK KUMAR	IT	P
92	2100149	VIVEK KUMAR	IT	P
93	2100421	VIVEK KUMAR	IT	P
94	2100775	ZAFIR ALAM	IT	P
95	2100585	TAUSIF AKHTAR	CE	P



96	2100662	TOKU AMAN	CE	P
97	2100556	UJJAWAL KUMAR	CE	P
98	2100597	VISHAL	CE	P
99	2100218	VISHAL KUMAR	CE	P
100	2100076	WASIM AKRAM	CE	P
101	2100034	MD. YUSUF NAWAZ	CE	P
102	2100852	SATYAM DWIVEDI	IT	P
103	2100880	SONU KUMAR	IT	P
104	2100941	HAIDAR ALI	CE	P
105	2100868	PRADOSH PANDEY	CS-IOT	P



**DEPARTMENT OF B.TECH FIRST YEAR**

Ref: - No. GNIOT/First Year/2021/Odd/Events/03

Date: 25.11.2021

**NOTICE**

All the students are hereby informed, that under the SIP 2021-2022, Expert lecture Series, the Department of B.Tech First year is organizing an expert lecture for the newly inducted students. The lecture will be delivered by Mr. S. Natraj Director HR Sify Technologies, from 11:00 AM -12:30 PM, on the topic, "Campus to Corporate".

All the students from sections B2, B3, B4 and B5 are required to be present in full strength in the first-floor seminar hall on time.

Dr. B.S. Chauhan  
Dean B.Tech First Year





**GNIOT**  
GROUP OF INSTITUTIONS

**GREATER NOIDA INSTITUTE OF TECHNOLOGY**  
**STUDENT INDUCTION PROGRAM**  
(SIP 2021-2022)

**EXPERT LECTURE**



**EXPERT**

**Mr. S. Natraj**

Director-HR

Sify Technologies



Plot No. 7, Knowledge Park II, Greater Noida, UP - 201310  
[www.gniotgroup.edu.in](http://www.gniotgroup.edu.in)

**Guest lecture under the category "Lectures by Eminent People"  
 REPORT**

**B. TECH, FIRST YEAR, ODD SEM. (SESSION 2021-22)**

**Relevance :** Guest lecture under the category "Lectures by Eminent People" on the 7th day of the SIP-21-22 for the newly admitted students.

Time / Date	25/11/2021		
Day	Thursday		
	<b>Expert</b>	<b>Time</b>	<b>Title of Lecture</b>
Expert Details	Mr. S. Natraj Director HR , Sify Technologies	11:00 AM - 12:30 PM	Campus to Corporate

On 8th day of SIP 21-22, under "Talks by Eminent People", an expert lecture on the topic ' Campus to Corporate ' by Mr. S. Natraj Director HR , Sify Technologies was delivered to illuminate the newly admitted students . Our Hon'ble Director Sir Dr Dhiraj Gupta delivered the welcome note emphasizing on 6H theory which included Honesty, Humbleness, Hardwork, Human Values, Hunger to achieve and lastly Health. The Guest Speaker exhorted the students to develop curiosity, eagerness to learn and the need to upgrade the acquired skills regularly. He also highlighted the need for revision and following a schedule. The program concluded with the felicitation of the guest speaker by Dr B S Chauhan, Dean, B.Tech First year. The program was attended by over 130 students of B.Tech First year along with the faculty members. The program was managed by Mr Sachin Chaturvedi, Ms Vasudha Tiwari and Ms Minakshi Awasthi. Dr Shivani Kaul and the program and proposed the vote of thanks.





**B.TECH FIRST YEAR**
**ATTENDANCE- EXPERT TALK, 25.11.2021**

1	2100211	NEERAJ SHARMA	CS-AI-ML	P
2	2100154	NITYAM KUMAR	CS-AI-ML	P
3	2100551	PRANAV KUMAR	CS-AI-ML	P
4	2100212	RAJEEV RANJAN MISH	CS-AI-ML	P
5	2100229	ROHAN KUMAR	CS-AI-ML	P
6	2100157	SAUMYA	CS-AI-ML	P
7	2100580	SAURABH KUMAR	CS-AI-ML	P
8	2100362	SHAHNAWAZ HUSSAIN	CS-AI-ML	P
9	2100207	SHARDDHA SHARMA	CS-AI-ML	P
10	2100160	SHASHANK SHUKLA	CS-AI-ML	P
11	2100428	KSHITIJ ANAND	CS-IOT	P
12	2100150	MANISHA SINGH	CS-IOT	P
13	2100404	NARENDRA TIWARI	CS-IOT	P
14	2100314	NEHA BHATI	CS-IOT	P
15	2100447	NISHANT SHARMA	CS-IOT	P
16	2100163	PAWAN KUMAR	CS-IOT	P
17	2100754	RAHUL KUMAR SINGH	CS-IOT	P
18	2100287	RESHU	CS-IOT	P
19	2100579	RITESH JHA	CS-IOT	P
20	2100358	RITESH TIWARI	CS-IOT	P
21	2100267	RIYA	CS-IOT	P
22	2100102	ROHIT RISHU	CS-IOT	P
23	2100483	PRIYA YADAV	IT	P
24	2100524	PRIYANKA	IT	P
25	2100165	PRIYANSHU GANGWA	IT	P
26	2100201	PRIYANSHU SHARMA	IT	P
27	2100496	PUNEET KASANA	IT	P
28	2100515	RAHUL DEV PANDIT	IT	P
29	2100296	RANA AMAN	IT	P
30	2100539	RAZA KARIM	IT	P
31	2100085	RISHI SINGH	IT	P
32	2100167	RITESH MISHRA	IT	P
33	2100532	ROHIT RAM	IT	P
34	2100557	SABBU KUMAR	IT	P
35	2100543	SAJAL KUMAR RAI	IT	P
36	2100476	SANJANA KUMARI	IT	P
37	2100458	SANKALP SRIVASTAVA	IT	P
38	2100094	SATYANAM YADAV	IT	P
39	2100136	MD SAUBAN	IT	P
40	2100526	SAURABH RAJ	IT	P
41	2100063	MD SHADMAN ALI	IT	P
42	2100078	SHAHBAZ RAZA	IT	P
43	2100077	SHAHID RAZA	IT	P
44	2100519	SHAILESH RAWAT	IT	P
45	2100616	SHRIKANT KUMAR	CE	P



46	2100743	SHUBHAM PRASAD	IT	P
47	2100093	SOIB RIZWAN	CE	P
48	2100873	PUNEET UPADYAYA	IT	P
49	2100835	SANDEEP SINGH	IT	P
50	2100833	SONALI	CS-AI-ML	P
51	2100346	SIDDHARTH GAUTAM	CS-AI-ML	P
52	2100732	SIMRAN SOOD	CS-AI-ML	P
53	2100101	SOURAV KUMAR	CS-AI-ML	P
54	2100301	SUMIT RAWAT	CS-AI-ML	P
55	2100357	SUNNY ADHANA	CS-AI-ML	P
56	2100809	TARUN SINGH	CS-AI-ML	P
57	2100755	UTSAV AKASH	CS-AI-ML	P
58	2100444	VARDAN SINGH	CS-AI-ML	P
59	2100254	VARUN KUMAR	CS-AI-ML	P
60	2100088	VIRAZ ANAND GUPTA	CS-AI-ML	P
61	2100764	VISHESH VERMA	CS-AI-ML	P
62	2100110	SAYAN BHATTACHARJ	CS-IOT	P
63	2100026	SHAHID ANSARI	CS-IOT	P
64	2100010	SHIVAM BALIYAN	CS-IOT	P
65	2100800	SHIVAM SHARMA	CS-IOT	P
66	2100121	SONIYA PATEL	CS-IOT	P
67	2100353	SUMAN SAURAV	CS-IOT	P
68	2100365	SURBHI	CS-IOT	P
69	2100450	TANUJ SHARMA	CS-IOT	P
70	2100345	VIPIN BOUDDH	CS-IOT	P
71	2100395	VIPIN UPADHYAY	CS-IOT	P
72	2100489	SHAUKAT ALI	IT	P
73	2100305	SHAYAN HAIDER	IT	P
74	2100113	SHIV NARAYAN	IT	P
75	2100505	SHIVAM KUMAR	IT	P
76	2100464	SHIVAM SINGH	IT	P
77	2100420	SHUBHAM KUMAR SII	IT	P
78	2100756	SHUBHANGI SRIVASTA	IT	P
79	2100006	SUBHASH KUMAR	IT	P
80	2100574	SUDHANSHU RANJAN	IT	P
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91	2100112	VIVEK KUMAR	IT	P
92	2100149	VIVEK KUMAR	IT	P
93	2100421	VIVEK KUMAR	IT	P
94	2100775	ZAFIR ALAM	IT	P
95	2100585	TAUSIF AKHTAR	CE	P





96	2100662	TOKU AMAN	CE	P
97	2100556	UJJAWAL KUMAR	CE	A
98	2100597	VISHAL	CE	P
99	2100218	VISHAL KUMAR	CE	P
100	2100076	WASIM AKRAM	CE	P
101	2100034	MD. YUSUF NAWAZ	CE	A
102	2100852	SATYAM DWIVEDI	IT	A
103	2100880	SONU KUMAR	IT	P
104	2100941	Haidar Ali	CE	P
105	2100868	PRADOSH PANDEY	CS-IOT	P
106	2100428	KSHITIJ ANAND	CS-IOT	P
107	2100150	MANISHA SINGH	CS-IOT	P
108	2100404	NARENDRA TIWARI	CS-IOT	P
109	2100314	NEHA BHATI	CS-IOT	P
110	2100447	NISHANT SHARMA	CS-IOT	P
111	2100163	PAWAN KUMAR	CS-IOT	P
112	2100754	RAHUL KUMAR SINGH	CS-IOT	P
113	2100287	RESHU	CS-IOT	P
114	2100579	RITESH JHA	CS-IOT	A
115	2100358	RITESH TIWARI	CS-IOT	P
116	2100267	RIYA	CS-IOT	P
117	2100102	ROHIT RISHU	CS-IOT	P
118	2100483	PRIYA YADAV	IT	P
119	2100524	PRIYANKA	IT	P
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121	2100201	PRIYANSHU SHARMA	IT	P
122	2100496	PUNEET KASANA	IT	P
123	2100515	RAHUL DEV PANDIT	IT	P
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129	2100557	SABBU KUMAR	IT	P
130	2100543	SAJAL KUMAR RAI	IT	P
131	2100476	SANJANA KUMARI	IT	P
132	2100458	SANKALP SRIVASTAVA	IT	P
133	2100094	SATYANAM YADAV	IT	P
134	2100136	MD SAUBAN	IT	P
135	2100526	SAURABH RAJ	IT	P
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137	2100078	SHAHBAZ RAZA	IT	P
138	2100077	SHAHID RAZA	IT	A
139	2100519	SHAILESH RAWAT	IT	A
140	2100616	SHRIKANT KUMAR	CE	A
141	2100743	SHUBHAM PRASAD	IT	A
142	2100093	SOIB RIZWAN	CE	P
143	2100873	PUNEET UPADYAYA	IT	P
144	2100835	SANDEEP SINGH	IT	P
145	2100833	SONALI	CS-AI-ML	P



146	2100346	SIDDHARTH GAUTAM	CS-AI-ML	P
147	2100732	SIMRAN SOOD	CS-AI-ML	P
148	2100101	SOURAV KUMAR	CS-AI-ML	P
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172	2100420	SHUBHAM KUMAR SII	IT	P
173	2100756	SHUBHANGI SRIVASTA	IT	P
174	2100006	SUBHASH KUMAR	IT	P
175	2100574	SUDHANSHU RANJAN	IT	P
176	2100523	UDBHAV KUMAR	IT	P
177	2100454	UTKARSH KUMAR YAL	IT	P
178	2100433	UTKARSH RAI	IT	P
179	2100017	VAIBHAV RAJ	IT	P
180	2100537	VINAYAK SRIVASTAVA	IT	P
181	2100495	VIRAT NAIN	IT	P
182	2100252	VISHAL BHATI	IT	P
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184	2100079	VISHAL PATEL	IT	P
185	2100355	VIVEK KANSAL	IT	P
186	2100112	VIVEK KUMAR	IT	P
187	2100149	VIVEK KUMAR	IT	P
188	2100421	VIVEK KUMAR	IT	P
189	2100775	ZAFIR ALAM	IT	P
190	2100585	TAUSIF AKHTAR	CE	P
191	2100662	TOKU AMAN	CE	P
192	2100556	UJJAWAL KUMAR	CE	P
193	2100597	VISHAL	CE	P
194	2100218	VISHAL KUMAR	CE	P
195	2100076	WASIM AKRAM	CE	P



196	2100034	MD. YUSUF NAWAZ	CE	P
197	2100852	SATYAM DWIVEDI	IT	P
198	2100880	SONU KUMAR	IT	P
199	2100941	Haidar Ali	CE	P
200	2100868	PRADOSH PANDEY	CS-IOT	P





**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

Ref: - No. GNIOT/ECE/ODD/Events/08

Date: 20 Sep 2021


**NOTICE**

This is to inform the students that as per the academic calendar the department are organizing Webinar on Lab View for the current semester, continuing the same practice you are all informed that webinar is being organized on Lab View on 25 September 2021.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.



**ECE DEPARTMENT IS ORGANIZING**  
**Webinar**  
ON  
**"LabVIEW & IT's Application in Industrial Automation"**  
GNIOT, GREATER NOIDA

 Saturday 25.09.2021 | 11:00 AM to 01:00 PM

EXPERT



**Mr. Aniruddha K. Gautam**  
Founder & Director  
ENGGIMATIX SOLUTIONS (P) Ltd.



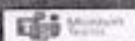
**Dr. Dhiraj Gupta**  
Director



**Dr. Mukesh Ojha**  
HOD (ECE)



**Dr. Rakhi Bhardwaj**  
Moderator

**Venue: GNIOT, Gr. Noida**  
**Mode: Online** 

Q Website : [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | Toll Free No.: 18002746969  
Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddh Nagar  
Uttar Pradesh 201306, INDIA



# REPORT

**Webinar**  
*on*

**“LABVIEW & IT'S APPLICATION IN  
INDUSTRIAL AUTOMATION”**

25 SEP 2021

*Organized by*



***Electronics and Communication Engineering Department***



## Report

**Event Name:** LabView & It's application in industrial automation

**Date:** 20 March, 2021

**Resource Person:** Mr. Anirudh K. Gautam

Electronics and Communication engineering department has organized a webinar on LabView & It's application in industrial automation on 25th September. The Resource Person was

Mr. Anirudh K. Gautam, a certified Labview developer from National instruments, USA and Founder of Enggimatix solutions (P) Ltd. The session was started with an overview on Labview & ended with application of Labview in various fields such as IOT, cyber security, industry 4.0 & industrial automation using Labview.

The webinar was attended by more than 130 participants that include students & Faculty members from ECE Department.



## Outcome of the Program

1. Students get to know the various innovative projects that they can opt for in their semester.
2. Students also became aware of the technical and financial support provided by IIC.
3. Students gained experience of how the Innovation activities are executed.
4. Students also became aware of the research gaps which exist in the domain of wireless sensor networks.
5. Students also became aware of the practices to be adopted in order to make their sensor network efficient.





webinar on LabVIEW & its application in industrial automation

47:29

Request control

Universal Analog I/O

Intelligent Edge Nodes

SmartWash<sup>®</sup> for industrial

Robots & Cobots

Real Time Deterministic Ethernet

Condition-Based Monitoring

Smart Automation

We Should Understand, how a Industry Works!

INDUSTRIAL AUTOMATION  
PLANT & MACHINE AUTIGATION  
**ENGGIMATIX** SOLUTIONS  
MAINTENANCE SERVICE  
TRAINING SULTANGY  
INSPIRADA  
MAYALAKA & GUYAM (BANG)

1:08 PM 10/24/2021

webinar on LabVIEW & its application in industrial automation

55:18

Request control

You're recording. You are recording this meeting. Be sure to let everyone know that they are being recorded. Ethics policy

Industry Revolution

Industry 1.0	Industry 2.0	Industry 3.0	Industry 4.0
Introduced in 1764 Efficient Production Limited Customer Water and steam powered machines	Beginning of 20th century Mass Production Evolution of railroad and telegraph networks Electrical Machines	70s in the 20th century Digital Revolution Automation Memory programmable controls & Computer	Advanced Technologies Internet of Things (IoT) Artificial Intelligence (AI) Robots, Drones, Autonomous vehicles

INDUSTRIAL AUTOMATION  
PLANT & MACHINE AUTIGATION  
**ENGGIMATIX** SOLUTIONS  
MAINTENANCE SERVICE  
TRAINING SULTANGY  
INSPIRADA  
MAYALAKA & GUYAM (BANG)

1:08 PM 10/24/2021



webinar on LabVIEW & its application in industrial automation

01:37:15

Request control

ENGIMATIX SOLUTIONS

AMRINDER K. GUPTA

LabVIEW

For Loop Application with Anils

C

Matlab

Python

C++

SG

webinar on LabVIEW & its application in industrial automation

01:54:46

Request control

ENGIMATIX SOLUTIONS

AMRINDER K. GUPTA

Because...

We Want a Development platform which is flexible and simple to use.

Director

SG













webinar on LabVIEW & its application in industrial automation

02:03:38 Request control

## Because...

We Want a universal platform for numerous applications in diverse fields.

	Energy and Power	
	Defense	
	Automotive	
	Medical	
	Computer/Electronics	

ENGGIMATIX SOLUTIONS

ANUSCCHIA & GASTAM Ghosh

Microsoft Teams Meeting

17:03 AM 9/2/2021

webinar on LabVIEW & its application in industrial automation

02:04:04 Request control

## Because...

We Want to ACQUIRE , ANALYSE and PROCESS high Speed Data.

HIGH-SPEED DATA

IOT

ENGGIMATIX SOLUTIONS

ANUSCCHIA & GASTAM Ghosh

Microsoft Teams Meeting

17:04 AM 9/2/2021



webinar on LabVIEW & its application in industrial automation

02:09:38

Request control

Because...

We need easy Interface with data Acquisition devices and 3<sup>rd</sup> party Instruments.

ENGGIMATIX SOLUTIONS

ANURAG K. GAJAM Chand

Manish Kumar Dha

18 Windows

SG

webinar on LabVIEW & its application in industrial automation

02:13:57

Request control

ENGGIMATIX SOLUTIONS

ANURAG K. GAJAM Chand

Manish Kumar Dha

18 Windows

SG





*[Handwritten Signature]*  
Director  
Greater Noida Institute of Technology  
Greater Noida

**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	180042	1813231030	SAKSHI PRIYA	P
2	180048	1813231026	RISHAV KUMAR	A
3	180075	1813231027	ROHIT KUMAR	P
4	180089	1813231017	MURARI KUMAR JHA	P
5	180128	1813231028	ROHIT KUMAR	A
6	180137	1813231035	SOURABH BAILWAL	P
7	180179	1813231040	TEJASHWI RAJ	P
8	180194	1813231010	HARSH SACHAN	P
9	180216	1813231004	ANSHU KUMAR	P
10	180223	1813231036	SUDHAKAR SINGH	A
11	180234	1813231032	SATYAM GIRI	P
12	180263	1813231011	ISHANI SINGH	P
13	180273	1813231008	DIMPLE GOLA	P
14	180278	1813231041	UJJWAL KUMAR	A
15	180284	1813231022	POONAM	P
16	180291	1813231042	UMANG SINGH	P
17	180311	1813231029	ROHIT RAI	P
18	180316	1813231044	UTKARSH YADAV	P
19	180318	1813231001	ABDUR RAHMAN	P
20	180346	1813231045	VANSHIKA CHAUDHARY	A
21	180361	1813231039	TANVEER ALAM	P
22	180374	1813231034	SHRUTI JHA	P
23	180379	1813231009	HARSH KUMAR SHRIVASTAVA	P
24	180380	1813231047	YAKSH CHEEMA	A
25	180384	1813231007	AZHARUDDIN KHAN	P
26	180408	1813231005	ARPIT KUMAR	P
27	180487	1813231014	MADHU KUSHWAH	P
28	180509	1813231046	VISHAL KUMAR SINGH	A
29	180525	1813231012	KARAN SINGH RAWAT	P
30	180556	1813231015	MD MASHHOOD RAZA SIDDIQUI	P
31	180558	1813231018	NIRAJ KUMAR SINGH	P
32	180569	1813231003	ANANVAY RAI	P
33	180580	1813231025	RAHUL SHARMA	A
34	180612	1813231043	UPENDRA YADAV	P
35	180613	1813231019	NITIN KUMAR	P
36	180614	1813231023	PRIYANK RAJ	P
37	180617	1813231002	ABHAY PANDEY	A
38	180657	1813231020	PARV SINGH	P
39	180659	1813231033	SHIV RAM TATHAGAT	P
40	180661	1813231904	SHIVAM KUMAR	P
41	180683	1813231031	SAMARTH SINGH	P
42	180690	1813231038	SURAJ YADAV	A
43	180693	1813231013	TANUJA TOMAR	P



Attendance Sheet

S.No.	Roll No	Student Name	A / P	S.No.	Roll No	Student Name	A / P
1	1813231006	ASHUTOSH PRATAP SINGH	A	43	1901320310037	HRITIK KESHRI	P
2	1901320310059	PRASHANT SHARMA	P	44	1901320310034	GOPAL BHARDWAJ	P
3	1901320310070	ROHIT MISHRA	P	45	1901320310031	GAURAV SINHA	A
4	1901320310041	KAMLESH KUMAR	P	46	1901320310004	ABHIMANYU KUSHWAHA	P
5	1901320310012	ANJALI PRIYA	A	47	1901320310071	ROHIT KUMAR	P
6	1901320310042	KARAN PANDEY	P	48	1901320310076	SHREYA SRIVASTAVA	P
7	1901320310006	ABHISHEK KUMAR	P	49	1901320310050	MD ASLAM ANSARI	A
8	1901320310044	KHUSHI KUMARI	A	50	1901320310077	SUMIT KUMAR	P
9	1901320310032	GINNI KUMARI	P	51	1901320310080	SWEETY KUMARI	P
10	1901320310075	SHANU KUMAR	P	52	1901320310035	GOPAL GUPTA	P
11	1901320310088	VISHWJEET SINGH	A	53	1901320310029	GANGA SAGAR CHAUDHARY	P
12	1901320310056	PARV SHARMA	P	54	1901320310024	ASHWANI KUMAR MANDAL	A
13	1901320310039	JAYA BHATNAGAR	P	55	1901320310086	VISHAL YADAV	A
14	1901320310007	ABHISHEK KUMAR	P	56	1901320310023	ASHUTOSH ANAND	P
15	1901320310051	MD.ISHA ALAM	A	57	1901320310069	RISHABH	P
16	1901320310061	PRATYUSH KUMAR DAS	P	58	1901320310026	BHAVESH KUMAR	P
17	1901320310062	PRATYUSH PANDEY	P	59	1901320310030	GAURAV HALDIYA	P
18	1901320310063	PRAVESH CHAUHAN	P	60	1901320310020	ARYAN GUPTA	A
19	1901320310065	PRIYANSHU	A	61	1901320310081	TUSHAR JHA	A
20	1901320310018	ANSHOO TIWARI	P	62	1901320310072	SAMEER ANSARI	P
21	1901320310084	VIJAY PRAKASH GUPTA	P	63	1901320310034	DEEPAK KUMAR SINGH	P
22	1901320310073	SASHANK RANJAN	P	64	1901320310038	JAIDYUMNA ARYA	P
23	1901320310064	PRINCE KUMAR	P	65	1901320310079	SWAYM SAPRA	P
24	1901320310011	ANJALI GUPTA	P	66	1901320310019	ANSHUL NAGAR	A
25	1901320310013	ANKIT KUMAR	A	67	1901320310001	AAYUSHI SINGH	P
26	1901320310048	MANISH MEENA	P	68	1901320310009	AMITESH SINGH	P
27	1901320310060	PRATEEK KUMAR MISHRA	P	69	1901320310016	ANNU PRIYA	P
28	1901320310058	PRAGYA PANDEY	P	70	1901320310055	PALLAVI KUMARI	A
29	1901320310046	MAMTA KUMARI	P	71	1901320310067	RAHUL GAUTAM	P
30	1901320310078	SUMIT KUMAR SINGH	A	72	1901320310043	KAUSHIK KUMAR	P
31	1901320310022	ASADULLAH	P	73	1901320310005	ABHINAV KUMAR RANJAN	P
32	1901320310053	MD. SHAMS ALAM	P	74	1901320310015	ANMOL NIGAM	P
33	1901320310036	GULSHAN KUMAR JHA	P	75	1901320310085	VINAY KUMAR SINGH	A
34	1901320310017	ANSHIKA	A	76	2001320319004	RAJAT KUMAR	P
35	1901320310045	KRISHNA MURARI JHA	P	77	2001320319008	SHREYANSHI KANT	P
36	1901320310008	AMAN SRIVASTAVA	P	78	2001320319002	ANIL KUSHWAHA	P
37	1901320310057	PRABHAT KUMAR MISHRA	P	79	2001320319001	AAKASH	A
38	1901320310082	UJJWAL KUMAR	A	80	2001320319009	UJALA PRAJAPATI	P
39	1901320310040	JAYSHREE KUMARI	A	81	2001320319006	SEEMA	P
40	1901320310021	ARYAN SINGH	P	82	2001320319003	MOHD ANAS	P
41	1901320310033	GOPAL KUMAR	P	83	2001320319010	VIMAL CHOURASIA	P
42	1901320310002	ABDUL SAMAD	P	84	2001320319005	SANIYA TYAGI	A



**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	190515	1901320310074	SHAD ANSARI	P
2	200014	2001320310027	RITIK RAJ	P
3	200044	2001320310031	SAZIA SHAFAK	P
4	200055	2001320310036	SUNNY KUMAR	A
5	200064	2001320310015	INDRADEV PRAMANIK	P
6	200126	2001320310023	PULKIT TIWARI	P
7	200127	2001320310013	BHASKAR BHATT	P
8	200142	2001320310016	ISHAN SINGH	P
9	200186	2001320310012	BHASKAR BHARDWAJ	A
10	200251	2001320310004	ANIMESH S DHINGAN	P
11	200280	2001320310030	RUDRESH PRATAP SINGH	A
12	200376	2001320310025	RAVI RAJ	A
13	200381	2001320310002	ABHISHEK SINGH	P
14	200406	2001320310009	ATUL RATHAUR	P
15	200456	2001320310007	ANSHUMAN	P
16	200478	2001320310034	SHUBHAM RANJAN	P
17	200486	2001320310026	RISHAV DEO	P
18	200493	2001320310024	RAHUL KUMAR	A
19	200504	2001320310020	NEERAJ KUMAR	P
20	200549	2001320310039	VINAY KUMAR THAKUR	P
21	200551	2001320310001	ABHISHEK KUMAR	P
22	200558	2001320310017	KRITAGY SHRIVASTAVA	A
23	200568	2001320310014	CHANDAN KR ROY	A
24	200570	2001320310008	ASIF HUSSAIN	P
25	200577	2001320310003	AKSHAT RAJ	P
26	200580	2001320310006	ANMOL MADAN	P
27	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	P
28	200597	2001320310018	MOHIT KUMAR	A
29	200599	2001320310035	SNEHA KUMARI	P
30	200600	2001320310028	RITURAJ	P
31	200619	2001320310019	NANDNI JHA	P
32	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	P
33	200653	2001320310037	SUYASH SANDILYA	A
34	200684	2001320310032	SHEIKH MAJID TARIQUE	P
35	200686	2001320310005	ANKIT VERMA	P
36	200694	2001320310021	NISHCHAY AADARSH	P
37	200697	2001320310029	ROHIT SINGH	A
38	200807	2001320310010	BEAUTY BALA	A
39	200851	2001320310033	SHIVAM KUMAR	A
40	2100023	0	NIKHIL KHULBE	P
41	2100170	0	SIDDHARTH MUDGAL	P
42	2100341	0	MD AMANULLAH	P
43	2100430	0	DANISH AHMAD	A
44	2100512	0	PRAKASH MISHRA	A
45	2100536	0	KM MANISHA MISHRA	P
46	2100571	0	MANAS UPADHYAY	P
47	2100590	0	RITIKA SINGH	P
48	2100591	0	STUTI DUBEY	A
49	2100595	0	KALASH CHAUHAN	A
50	2100621	0	PAWAN CHAUKIYAL	P
51	2100672	0	SHEIKH NAVREEN	P
52	2100673	0	SANA RIYAZ LONE	A
53	2100676	0	NIKHIL KUMAR	P







DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/ODD/Events/10

Date: 17 October 2021

NOTICE

This is to inform the students that as per the academic calendar the department are organizing Webinar on Machine Learning in Healthcare for the current semester, continuing the same practice you are all informed that webinar is being organized on Machine Learning in Healthcare on 23 October 2021.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.



## DEPARTMENT OF ECE

ONLINE WEBINAR

ON

### *"Machine Learning in Healthcare"*

GUEST SPEAKER



**Dr. Sitanshu Sekhar Sahu** (Postdoc: OSU USA)  
(Associate Professor)  
Birla Institute of Technology  
Mesra, Ranchi



**Dr. Franveer Singh**  
Director General



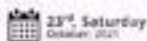
**Dr. DhiraJ Gupta**  
Director



**Dr. Mukesh Kumar Ojha**  
HOD-ECE



**Dr. Rakhi Bhardwaj**  
Moderator



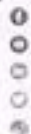
23<sup>rd</sup> Saturday  
October, 2021



09:30 PM  
05:00 PM



Google Meet



# REPORT

**Webinar**  
*on*

**"MACHINE LEARNING IN HEALTHCARE"**

23 OCT 2021

*Organized by*



***Electronics and Communication Engineering Department***



## Report

**Event Name:** Machine Learning in Healthcare

**Date:** 23rd October 2021

**Resource Person:** Dr. S. S. Sahu

Electronics and Communication engineering department has organized a webinar on Machine Learning in Healthcare on 23rd October 2021. The session was aimed to provide an insight about various ML algorithm in the field of Human Machine Interface (HMI) using Bio-signal.

The Resource Person of webinar was Dr. S. S. Sahu, Postdoc from Oklahoma State University, USA, an active reviewer in many reputed journal & currently working as Associate Prof. at Birla Institute of Technology, MESRA, Ranchi.

He started his session with Introduction on ML, it's classification & the importance of ML application in Healthcare. Finally, concluded his talk with application of ML algorithm in the field of Human Machine interface using Bio-signal.

The entire session was quite interactive & informative for both students & faculty members. The webinar was attended by more than 135 participants that include students & Faculty members from ECE Department.



## Outcome of the Program

1. Students get to know the various innovative projects that they can opt for in their semester.
2. Students also became aware of the technical and financial support provided by IIC.
3. Students gained experience of how the Innovation activities are executed.
4. Students also became aware of the research gaps which exist in the domain of wireless sensor networks.
5. Students also became aware of the practices to be adopted in order to make their sensor network efficient.





Sitanaha Sekhar Saha is presenting

### Detection Process

3:42 AM | Webinar on Machine Learning In Healthcare

Activate Windows  
Go to Settings to activate Windows.

Sitanaha Sekhar Saha is presenting

### Speech Impairment

3:36 AM | Webinar on Machine Learning In Healthcare

Activate Windows  
Go to Settings to activate Windows.



**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	180042	1813231030	SAKSHI PRIYA	P
2	180048	1813231026	RISHAV KUMAR	P
3	180075	1813231027	ROHIT KUMAR	P
4	180089	1813231017	MURARI KUMAR JHA	A
5	180128	1813231028	ROHIT KUMAR	A
6	180137	1813231035	SOURABH BAILWAL	P
7	180179	1813231040	TEJASHWI RAJ	P
8	180194	1813231010	HARSH SACHAN	A
9	180216	1813231004	ANSHU KUMAR	P
10	180223	1813231036	SUDHAKAR SINGH	P
11	180234	1813231032	SATYAM GIRI	P
12	180263	1813231011	ISHANI SINGH	P
13	180273	1813231008	DIMPLE GOLA	A
14	180278	1813231041	UJJWAL KUMAR	P
15	180284	1813231022	POONAM	P
16	180291	1813231042	UMANG SINGH	P
17	180311	1813231029	ROHIT RAI	A
18	180316	1813231044	UTKARSH YADAV	P
19	180318	1813231001	ABDUR RAHMAN	P
20	180346	1813231045	VANSHIKA CHAUDHARY	P
21	180361	1813231039	TANVEER ALAM	P
22	180374	1813231034	SHRUTI JHA	P
23	180379	1813231009	HARSH KUMAR SHRIVASTAVA	P
24	180380	1813231047	YAKSH CHEEMA	A
25	180384	1813231007	AZHARUDDIN KHAN	A
26	180408	1813231005	ARPIT KUMAR	P
27	180487	1813231014	MADHU KUSHWAH	P
28	180509	1813231046	VISHAL KUMAR SINGH	P
29	180525	1813231012	KARAN SINGH RAWAT	P
30	180556	1813231015	MD MASHHOOD RAZA SIDDIQUI	P
31	180558	1813231018	NIRAJ KUMAR SINGH	A
32	180569	1813231003	ANANVAY RAI	A
33	180580	1813231025	RAHUL SHARMA	A
34	180612	1813231043	UPENDRA YADAV	P
35	180613	1813231019	NITIN KUMAR	P
36	180614	1813231023	PRIYANK RAJ	P
37	180617	1813231002	ABHAY PANDEY	P
38	180657	1813231020	PARV SINGH	A
39	180659	1813231033	SHIV RAM TATHAGAT	P
40	180661	1813231904	SHIVAM KUMAR	P
41	180683	1813231031	SAMARTH SINGH	P
42	180690	1813231038	SURAJ YADAV	P
43	180693	1813231013	TANUJA TOMAR	A





## Attendance Sheet

S.No.	Roll No	Student Name	A / P	S.No.	Roll No	Student Name	A / P
1	1813231006	ASHUTOSH PRATAP SINGH	P	43	1901320310037	HRITIK KESHRI	P
2	1901320310059	PRASHANT SHARMA	A	44	1901320310034	GOPAL BHARDWAJ	P
3	1901320310070	ROHIT MISHRA	P	45	1901320310031	GAURAV SINHA	A
4	1901320310041	KAMLESH KUMAR	P	46	1901320310004	ABHIMANYU KUSHWAHA	P
5	1901320310012	ANJALI PRIYA	A	47	1901320310071	ROHIT KUMAR	P
6	1901320310042	KARAN PANDEY	P	48	1901320310076	SHREYA SRIVASTAVA	A
7	1901320310006	ABHISHEK KUMAR	P	49	1901320310050	MD ASLAM ANSARI	P
8	1901320310044	KHUSHI KUMARI	A	50	1901320310077	SUMIT KUMAR	P
9	1901320310032	GINNI KUMARI	A	51	1901320310080	SWEETY KUMARI	P
10	1901320310075	SHANU KUMAR	P	52	1901320310035	GOPAL GUPTA	P
11	1901320310088	VISHWJEET SINGH	P	53	1901320310029	GANGA SAGAR CHAUDHARY	A
12	1901320310056	PARV SHARMA	P	54	1901320310024	ASHWANI KUMAR MANDAL	P
13	1901320310039	JAYA BHATNAGAR	P	55	1901320310086	VISHAL YADAV	P
14	1901320310007	ABHISHEK KUMAR	P	56	1901320310023	ASHUTOSH ANAND	P
15	1901320310051	MD.ISHA ALAM	A	57	1901320310069	RISHABH	P
16	1901320310061	PRATYUSH KUMAR DAS	P	58	1901320310026	BHAVESH KUMAR	P
17	1901320310062	PRATYUSH PANDEY	P	59	1901320310030	GAURAV HALDIYA	A
18	1901320310063	PRAVESH CHAUMAN	P	60	1901320310020	ARYAN GUPTA	P
19	1901320310065	PRIYANSHU	A	61	1901320310081	TUSHAR JHA	P
20	1901320310018	ANSHOO TIWARI	P	62	1901320310072	SAMEER ANSARI	P
21	1901320310084	VIJAY PRAKASH GUPTA	P	63	1901320310034	DEEPAK KUMAR SINGH	P
22	1901320310073	SASHANK RANJAN	P	64	1901320310038	JAIDYUMNA ARYA	A
23	1901320310064	PRINCE KUMAR	A	65	1901320310079	SWAYM SAPRA	A
24	1901320310011	ANJALI GUPTA	P	66	1901320310019	ANSHUL NAGAR	P
25	1901320310013	ANKIT KUMAR	P	67	1901320310001	AAYUSHI SINGH	P
26	1901320310048	MANISH MEENA	P	68	1901320310009	AMITESH SINGH	P
27	1901320310060	PRATEEK KUMAR MISHRA	A	69	1901320310016	ANNU PRIYA	P
28	1901320310058	PRAGYA PANDEY	P	70	1901320310055	PALLAVI KUMARI	P
29	1901320310046	MAMTA KUMARI	P	71	1901320310067	RAHUL GAUTAM	P
30	1901320310078	SUMIT KUMAR SINGH	P	72	1901320310043	KAUSHIK KUMAR	P
31	1901320310022	ASADULLAH	A	73	1901320310005	ABHINAV KUMAR RANJAN	P
32	1901320310053	MD. SHAMS ALAM	P	74	1901320310015	ANMOL NIGAM	A
33	1901320310036	GULSHAN KUMAR JHA	P	75	1901320310085	VINAY KUMAR SINGH	P
34	1901320310017	ANSHIKA	P	76	2001320319004	RAJAT KUMAR	P
35	1901320310045	KRISHNA MURARI JHA	P	77	2001320319008	SHREYANSHI KANT	P
36	1901320310008	AMAN SRIVASTAVA	A	78	2001320319002	ANIL KUSHWAHA	P
37	1901320310057	PRABHAT KUMAR MISHRA	P	79	2001320319001	AAKASH	P
38	1901320310082	UJJWAL KUMAR	A	80	2001320319009	UJALA PRAJAPATI	A
39	1901320310040	JAYSHREE KUMARI	P	81	2001320319006	SEEMA	P
40	1901320310021	ARYAN SINGH	P	82	2001320319003	MOHD ANAS	P
41	1901320310033	GOPAL KUMAR	P	83	2001320319010	VIMAL CHOURASIA	P
42	1901320310002	ABDUL SAMAD	A	84	2001320319005	SANIYA TYAGI	P



**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A/P
1	190515	1901320310074	SHAD ANSARI	P
2	200014	2001320310027	RITIK RAJ	P
3	200044	2001320310031	SAZIA SHAFAK	A
4	200055	2001320310036	SUNNY KUMAR	P
5	200064	2001320310015	INDRADEV PRAMANIK	P
6	200126	2001320310023	PULKIT TIWARI	P
7	200127	2001320310013	BHASKAR BHATT	P
8	200142	2001320310016	ISHAN SINGH	A
9	200186	2001320310012	BHASKAR BHARDWAJ	P
10	200251	2001320310004	ANIMESH S DHINGAN	P
11	200280	2001320310030	RUDRESH PRATAP SINGH	A
12	200376	2001320310025	RAVI RAJ	A
13	200381	2001320310002	ABHISHEK SINGH	P
14	200406	2001320310009	ATUL RATHAUR	P
15	200456	2001320310007	ANSHUMAN	P
16	200478	2001320310034	SHUBHAM RANJAN	P
17	200486	2001320310026	RISHAV DEO	A
18	200493	2001320310024	RAHUL KUMAR	P
19	200504	2001320310020	NEERAJ KUMAR	P
20	200549	2001320310039	VINAY KUMAR THAKUR	P
21	200551	2001320310001	ABHISHEK KUMAR	P
22	200558	2001320310017	KRITAGY SHRIVASTAVA	P
23	200568	2001320310014	CHANDAN KR ROY	P
24	200570	2001320310008	ASIF HUSSAIN	P
25	200577	2001320310003	AKSHAT RAJ	P
26	200580	2001320310006	ANMOL MADAN	P
27	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	A
28	200597	2001320310018	MOHIT KUMAR	A
29	200599	2001320310035	SNEHA KUMARI	P
30	200600	2001320310028	RITURAJ	P
31	200619	2001320310019	NANDNI JHA	P
32	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	A
33	200653	2001320310037	SUYASH SANDILYA	P
34	200684	2001320310032	SHEIKH MAJID TARIQUE	A
35	200686	2001320310005	ANKIT VERMA	P
36	200694	2001320310021	NISHCHAY AADARSH	P
37	200697	2001320310029	ROHIT SINGH	P
38	200807	2001320310010	BEAUTY BALA	P
39	200851	2001320310033	SHIVAM KUMAR	P
40	2100023	0	NIKHIL KHULBE	A
41	2100170	0	SIDDHARTH MUDGAL	A
42	2100341	0	MD AMANULLAH	P
43	2100430	0	DANISH AHMAD	P
44	2100512	0	PRAKASH MISHRA	P
45	2100536	0	KM MANISHA MISHRA	A
46	2100571	0	MANAS UPADHYAY	P
47	2100590	0	RITIKA SINGH	P
48	2100591	0	STUTI DUBEY	P
49	2100595	0	KALASH CHAUHAN	A
50	2100621	0	PAWAN CHAUKIYAL	P
51	2100672	0	SHEIKH NAVREEN	P
52	2100673	0	SANA RIYAZ LONE	P
53	2100676	0	NIKHIL KUMAR	P





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/ODD/Events/13

Date: 21 October 2021

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Hardware design using Digital & HDL & implementation on FPGA** for the current semester, continuing the same practice you are all informed that **Hardware design using Digital & HDL & implementation on FPGA** is being organized on 28-29 October, 2021.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.



## DEPARTMENT OF ECE

ORGANISING HANDS ON WORKSHOP

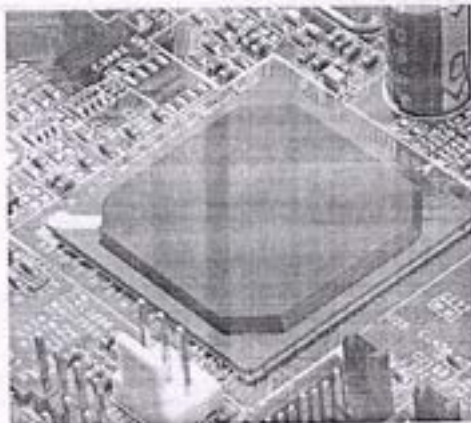
ON

Hardware Design using Digital  
and HDL & Implementation on FPGA



RESOURCE PERSON

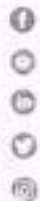
**Mr. VAIBHAV MISHRA**  
Founder & CEO  
AUJUS TECHNOLOGY PVT. LTD. (INDIA)



Venue: ECE Deptt.  
Mode : Offline  
Prerequisite : Working Laptop



28 Thursday & 29 Friday  
October, 2021



# REPORT

**Event Name:** 2 days workshop on

**"Hardware design using Digital & HDL & implementation on FPGA"**

**Date:** 28-29 Oct, 2021

Department of Electronics & communication engineering successfully conducted a two days workshop on "Hardware design using Digital & HDL & implementation on FPGA"

Now days, data system control & real time monitoring have become indispensable to the modern industrial environment. Digital electronics has rendered the widely used analog controller obsolete. With the help of FPGA, we can build our own digital circuit, stimulate the processor & interface the memory with other device. This session was aimed to provide an insight about the implementation of digital logic circuits using FPGA.

The entire session was quite interactive & informative for students. The workshop was attended by 65 students from ECE Department.



## DEPARTMENT OF ECE

ORGANISING HANDS ON WORKSHOP

ON

Hardware Design using Digital  
and HDL & Implementation on FPGA



RESOURCE PERSON

**Mr. VAIBHAV MISHRA**

Founder & CEO  
ALJUS TECHNOLOGY PVT. LTD. (NOIDA)



Venue: ECE Deptt.

Mode : Offline

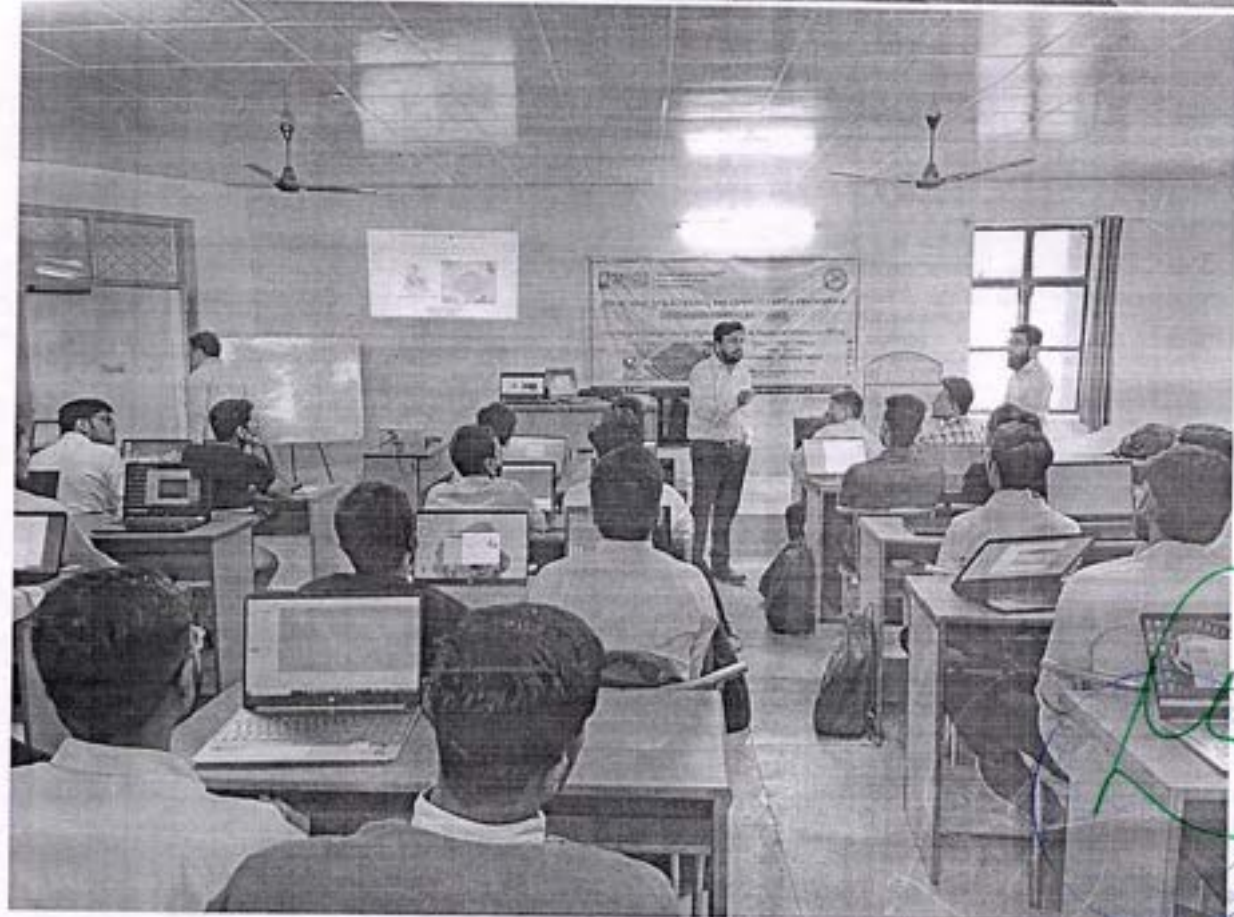
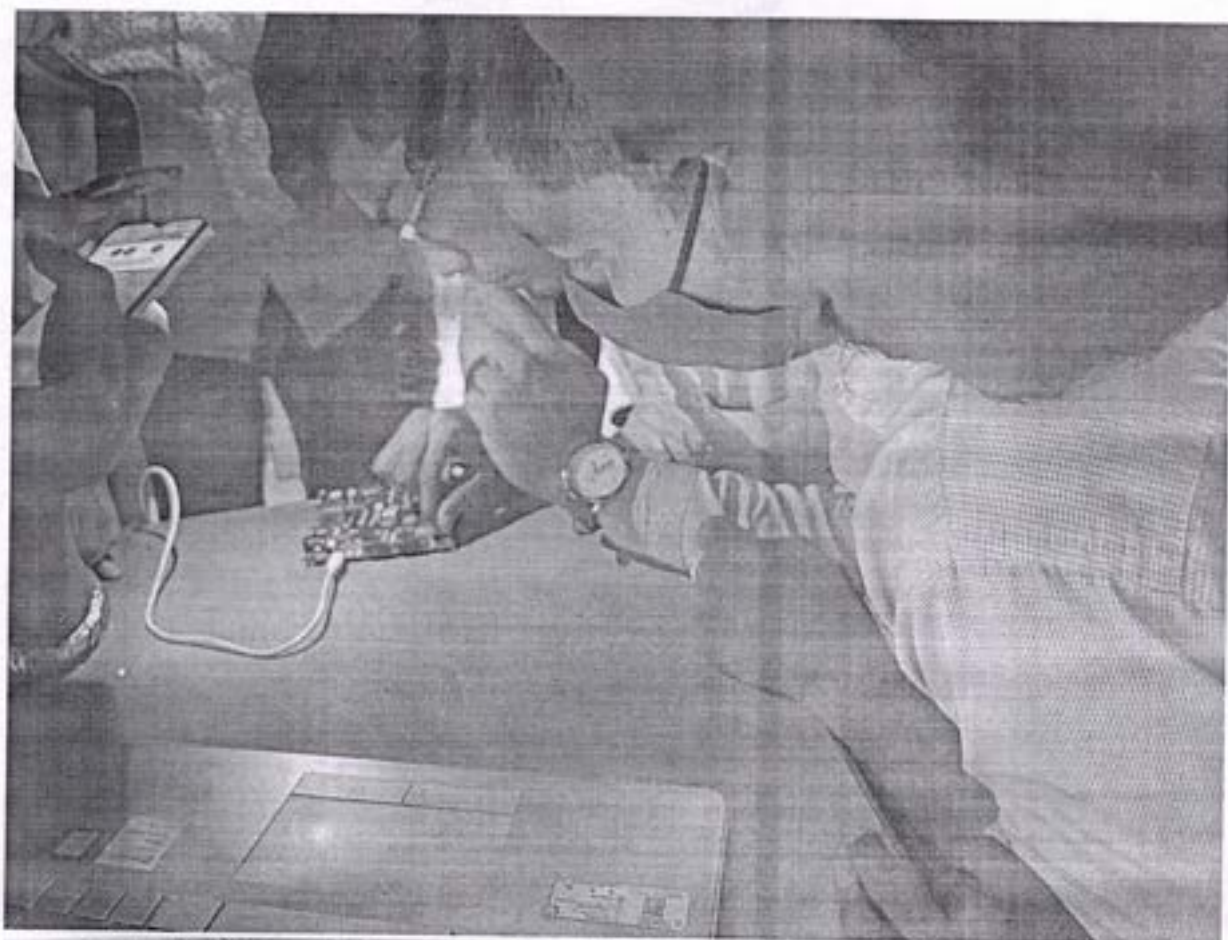
Prerequisite : Working Laptop



28 Thursday & 29 Friday  
October, 2021









**ECE-3RD YEAR 2021-22**

S.No.	AICTE Enrollment No	Student Name	Attendance
1	1813231006	ASHUTOSH PRATAP SINGH	P
2	1901320310070	ROHIT MISHRA	P
3	1901320310041	KAMLESH KUMAR	P
4	1901320310012	ANJALI PRIYA	P
5	1901320310042	KARAN PANDEY	P
6	1901320310044	KHUSHI KUMARI	A
7	1901320310032	GINNI KUMARI	P
8	1901320310088	VISHWJEET SINGH	P
9	1901320310056	PARV SHARMA	P
10	1901320310007	ABHISHEK KUMAR	A
11	1901320310051	MD. ISHA ALAM	A
12	1901320310061	PRATYUSH KUMAR DAS	P
13	1901320310062	PRATYUSH PANDEY	P
14	1901320310063	PRAVESH CHAUHAN	P
15	1901320310065	PRIYANSHU	P
16	1901320310018	ANSHOO TIWARI	A
17	1901320310084	VIJAY PRAKASH GUPTA	P
18	1901320310073	SASHANK RANJAN	P
19	1901320310064	PRINCE KUMAR	P
20	1901320310011	ANJALI GUPTA	A
21	1901320310013	ANKIT KUMAR	P
22	1901320310048	MANISH MEENA	P
23	1901320310060	PRATEEK KUMAR MISHRA	A
24	1901320310058	PRAGYA PANDEY	P
25	1901320310046	MAMTA KUMARI	A
26	1901320310078	SUMIT KUMAR SINGH	P
27	1901320310022	ASADULLAH	P
28	1901320310036	GULSHAN KUMAR JHA	P
29	1901320310017	ANSHIKA	P
30	1901320310045	KRISHNA MURARI JHA	A
31	1901320310057	PRABHAT KUMAR MISHRA	P
32	1901320310082	UJJWAL KUMAR	A
33	1901320310040	JAYSHREE KUMARI	P
34	1901320310021	ARYAN SINGH	A
35	1901320310002	ABDUL SAMAD	P
36	1901320310037	HRITIK KESHRI	P
37	1901320310034	GOPAL BHARDWAJ	P
38	1901320310031	GAURAV SINHA	A
39	1901320310004	ABHIMANYU KUSHWAHA	P
40	1901320310071	ROHIT KUMAR	P
41	1901320310076	SHREYA SRIVASTAVA	A
42	1901320310050	MD ASLAM ANSARI	P
43	1901320310077	SUMIT KUMAR	P
44	1901320310080	SWEETY KUMARI	P
45	1901320310035	GOPAL GUPTA	A
46	1901320310029	GANGA SAGAR CHAUDHARY	P
47	1901320310086	VISHAL YADAV	P



## ECE-3RD YEAR 2021-22

S.No.	AICTE Enrollment No	Student Name	Attendance
48	1901320310023	ASHUTOSH ANAND	A
49	1901320310069	RISHABH	P
50	1901320310026	BHAVESH KUMAR	P
51	1901320310030	GAURAV HALDIYA	P
52	1901320310020	ARYAN GUPTA	A
53	1901320310081	TUSHAR JHA	P
54	1901320310072	SAMEER ANSARI	P
55	1901320130034	DEEPAK KUMAR SINGH	P
56	1901320310038	JAIDYUMNA ARYA	A
57	1901320310079	SWAYM SAPRA	P
58	1901320310019	ANSHUL NAGAR	P
59	1901320310001	AAYUSHI SINGH	P
60	1901320310009	AMITESH SINGH	P
61	1901320310016	ANNU PRIYA	A
62	1901320310055	PALLAVI KUMARI	P
63	1901320310067	RAHUL GAUTAM	P
64	1901320310005	ABHINAV KUMAR RANJAN	A
65	1901320310015	ANMOL NIGAM	P
66	1901320310085	VINAY KUMAR SINGH	P
67	2001320319008	SHREYANSHI KANT	P
68	2001320319002	ANIL KUSHWAHA	P
69	2001320319001	AAKASH	P
70	2001320319009	UJALA PRAJAPATI	P
71	2001320319006	SEEMA	A
72	2001320319005	SANIYA TYAGI	P





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/ODD/Events/10

Date: 17 November 2021

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Industrial Visit to AAI** for the current semester, continuing the same practice you are all informed that **Industrial Visit to AAI** is being organized on 25 November 2021.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.

  
Dr. Mukesh Ojha  
HOD, ECE

  
Director  
Greater Noida Institute of Technology  
Engg. Institute  
Greater Noida



**GNIOT**  
GROUP OF INSTITUTIONS

**GREATER NOIDA INSTITUTE OF TECHNOLOGY**  
(ENGINEERING INSTITUTE)

DEPARTMENT OF ECE

# INDUSTRIAL VISIT



#INDUSTRIAL VISIT

  
भारतीय विमानपत्तन प्राधिकरण  
AIRPORTS AUTHORITY OF INDIA

  
BIJWASAN  
NEW DELHI



25, Thursday  
November, 2021



09:00AM  
Onwards



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969



# REPORT

## Industrial Visit To

“AIRPORT AUTHORITY OF INDIA,”  
NEW DELHI

25 NOV 2021

*Organized by*



*Electronics and Communication Engineering Department*



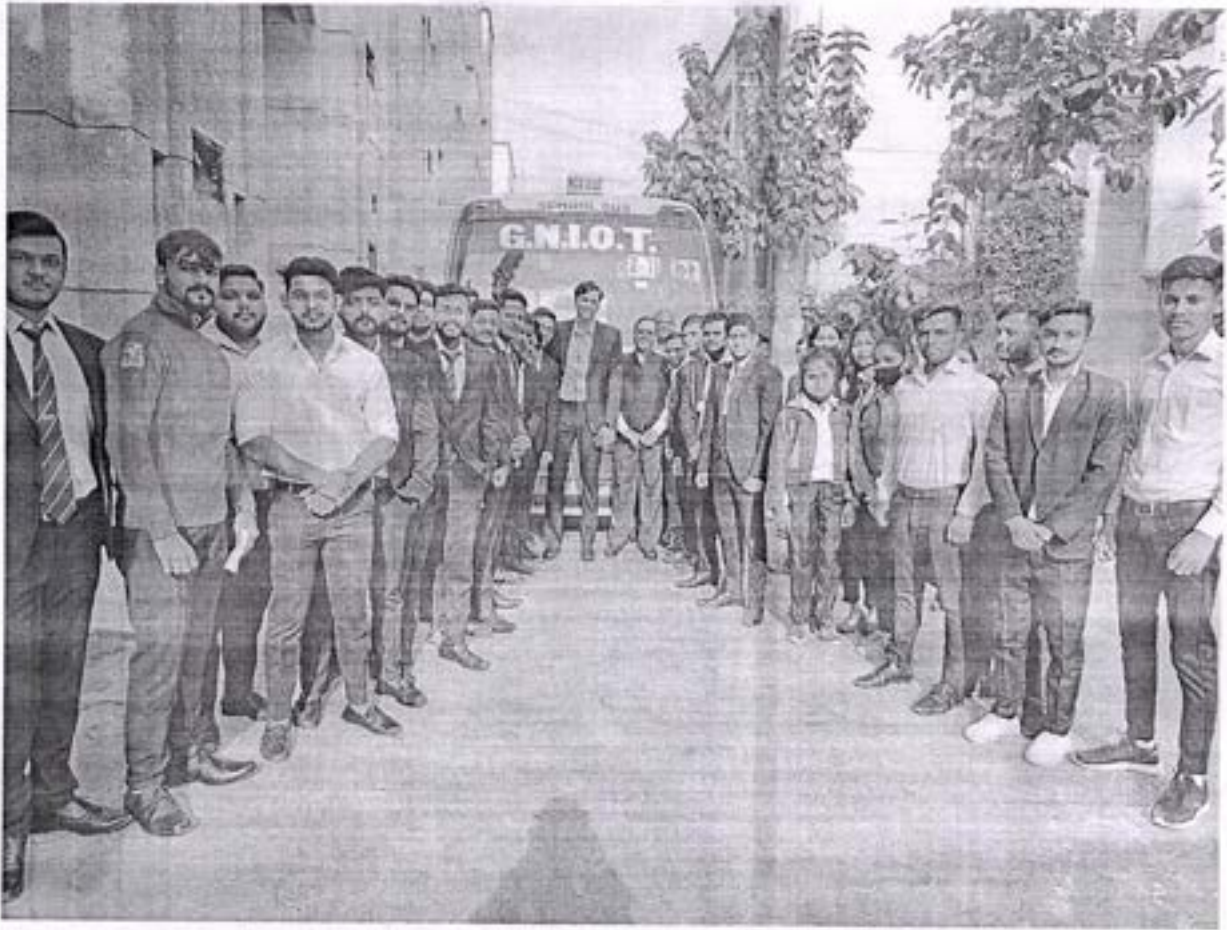
Electronics and Communication engineering department has organized a one-day visit to Airport Authority India (AAI), New Delhi on 25th November, 2021. Fourty students of B.Tech third year ECE branch visited the company.

AAI was responsible for creating, upgrading, maintaining and managing civil aviation infrastructure both on the ground and air space in the country. The main functions of AAI includes construction, modification & management of passenger terminals, development & maintenance of apron infrastructure including runways, parallel taxiways, apron etc.

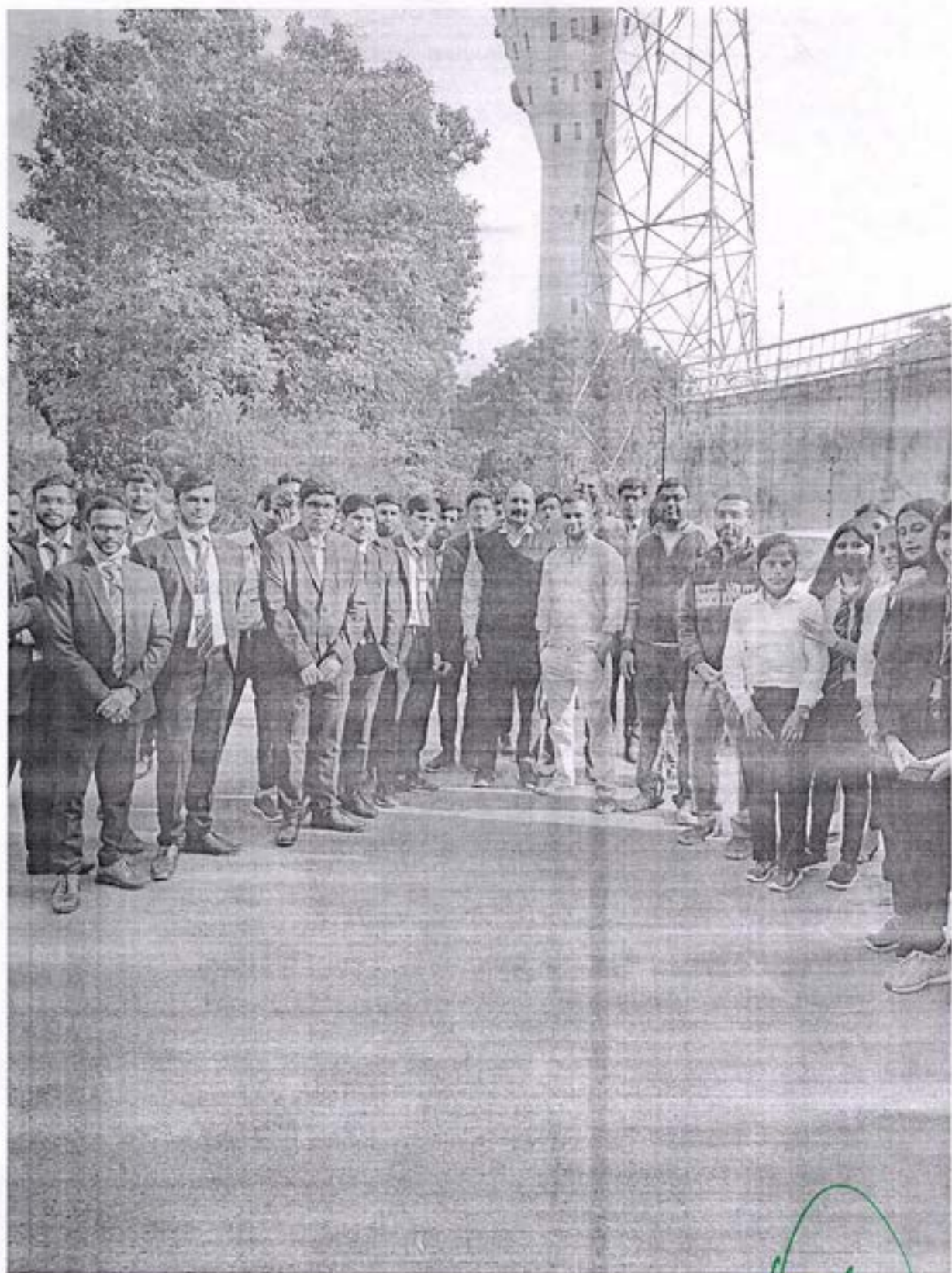
The students were visited **L Band Radar Unit** where the management and control of airplanes both on-field and in-air by the ATC personnel. The students were excited to see live monitoring and broadcasting of the signals in connection to the airplane movement control. The students got a chance to understand the following terms in depth both theoretically and practically: - Transmitter, Receiver and Antenna Modules.

It was a very interactive session with an informative ambience. The visit gave student a good exposure of how AAI Design, Develop, Operate and Maintain the international and domestic airports and civil enclaves and how it provides communication and navigation aids.





Greater Noida Institute of Tech  
Director  
Greater Noida





Attendance Sheet

S.No.	Roll No	Student Name	A / P	S.No.	Roll No	Student Name	A / P
1	1813231006	ASHUTOSH PRATAP SINGH	P	43	1901320310037	HRITIK KESHRI	P
2	1901320310059	PRASHANT SHARMA	P	44	1901320310034	GOPAL BHARDWAJ	P
3	1901320310070	ROHIT MISHRA	A	45	1901320310031	GAURAV SINHA	A
4	1901320310041	KAMLESH KUMAR	P	46	1901320310004	ABHIMANYU KUSHWAHA	P
5	1901320310012	ANJALI PRIYA	P	47	1901320310071	ROHIT KUMAR	P
6	1901320310042	KARAN PANDEY	P	48	1901320310076	SHREYA SRIVASTAVA	P
7	1901320310006	ABHISHEK KUMAR	A	49	1901320310050	MD ASLAM ANSARI	A
8	1901320310044	KHUSHI KUMARI	P	50	1901320310077	SUMIT KUMAR	P
9	1901320310032	GINNI KUMARI	P	51	1901320310080	SWEETY KUMARI	P
10	1901320310075	SHANU KUMAR	P	52	1901320310035	GOPAL GUPTA	P
11	1901320310088	VISHWJEET SINGH	A	53	1901320310029	GANGA SAGAR CHAUDHARY	A
12	1901320310056	PARV SHARMA	P	54	1901320310024	ASHWANI KUMAR MANDAL	P
13	1901320310039	JAYA BHATNAGAR	P	55	1901320310086	VISHAL YADAV	P
14	1901320310007	ABHISHEK KUMAR	P	56	1901320310023	ASHUTOSH ANAND	P
15	1901320310051	MD.ISHA ALAM	P	57	1901320310069	RISHABH	A
16	1901320310061	PRATYUSH KUMAR DAS	P	58	1901320310026	BHAVESH KUMAR	P
17	1901320310062	PRATYUSH PANDEY	A	59	1901320310030	GAURAV HALDIYA	P
18	1901320310063	PRAVESH CHAUHAN	A	60	1901320310020	ARYAN GUPTA	P
19	1901320310065	PRIYANSHU	P	61	1901320310081	TUSHAR JHA	P
20	1901320310018	ANSHOO TIWARI	P	62	1901320310072	SAMEER ANSARI	A
21	1901320310084	VIJAY PRAKASH GUPTA	A	63	1901320130034	DEEPAK KUMAR SINGH	A
22	1901320310073	SASHANK RANJAN	A	64	1901320310038	JAIDYUMNA ARYA	P
23	1901320310064	PRINCE KUMAR	P	65	1901320310079	SWAYM SAPRA	P
24	1901320310011	ANJALI GUPTA	P	66	1901320310019	ANSHUL NAGAR	P
25	1901320310013	ANKIT KUMAR	P	67	1901320310001	AAYUSHI SINGH	P
26	1901320310048	MANISH MEENA	A	68	1901320310009	AMITESH SINGH	P
27	1901320310060	PRATEEK KUMAR MISHRA	A	69	1901320310016	ANNU PRIYA	A
28	1901320310058	PRAGYA PANDEY	A	70	1901320310055	PALLAVI KUMARI	P
29	1901320310046	MAMTA KUMARI	P	71	1901320310067	RAHUL GAUTAM	P
30	1901320310078	SUMIT KUMAR SINGH	P	72	1901320310043	KAUSHIK KUMAR	A
31	1901320310022	ASADULLAH	P	73	1901320310005	ABHINAV KUMAR RANJAN	P
32	1901320310053	MD. SHAMS ALAM	A	74	1901320310015	ANMOL NIGAM	P
33	1901320310036	GULSHAN KUMAR JHA	P	75	1901320310085	VINAY KUMAR SINGH	P
34	1901320310017	ANSHIKA	P	76	2001320319004	RAJAT KUMAR	P
35	1901320310045	KRISHNA MURARI JHA	P	77	2001320319008	SHREYANSHI KANT	A
36	1901320310008	AMAN SRIVASTAVA	A	78	2001320319002	ANIL KUSHWAHA	A
37	1901320310057	PRABHAT KUMAR MISHRA	A	79	2001320319001	AAKASH	A
38	1901320310082	UJWAL KUMAR	P	80	2001320319009	UJALA PRAJAPATI	P
39	1901320310040	JAYSHREE KUMARI	P	81	2001320319006	SEEMA	P
40	1901320310021	ARYAN SINGH	P	82	2001320319003	MOHD ANAS	A
41	1901320310033	GOPAL KUMAR	A	83	2001320319010	VIMAL CHOURASIA	P
42	1901320310002	ABDUL SAMAD	P	84	2001320319005	SANIYA TYAGI	P





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

Ref: - No. GNIOT/ECE/ODD/Events/12

Date: 21 November 2021

**NOTICE**

This is to inform the students that as per the academic calendar the department are organizing **Hands on Training on Circuit Designing** for the current semester, continuing the same practice you are all informed that **Hands on Training on Circuit Designing** is being organized on 30 November 2021.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.

  
Dr. Mukesh Ojha  
HOD EC  
HOD ECE  
Greater Noida Institute of Technology (1321)

  
Greater Noida Institute of Technology  
Director  
Greater Noida - 201305



**GNIOT**  
GROUP OF INSTITUTIONS

TRANSFORMING STUDENTS<sup>®</sup>  
INTO INDUSTRY READY  
PROFESSIONALS



**DEPARTMENT OF ECE**

**1 DAY**

"Hands on Training  
on **CIRCUIT DESIGN**"

30.11.2021



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969

#CIRCUITDESIGN



# REPORT

## HANDS ON TRAINING

*on*

"CIRCUIT DESIGN"

30 NOV 2021

*Organized by*



*Electronics and Communication Engineering Department*



**REPORT:** To bridge the gap between Industry & Academia, Electronics and Communication Engineering Department organized a one day Workshop on Circuit Design on 30<sup>th</sup> Nov, 2021. The workshop was successfully conducted with the participation of forty students of 2<sup>nd</sup> year. The main objective of this course was to design & simulate the circuits on Breadboard and understand its working in detail that keeps students engaged with Practical applications.

The workshop commenced with a brief introduction on basic components to simulate simple circuits like ohms law setup, series parallel connections, use of breadboard, power supply. This was followed by simulation of simple circuits like rectifiers, filters, amplifiers and water level indicator.





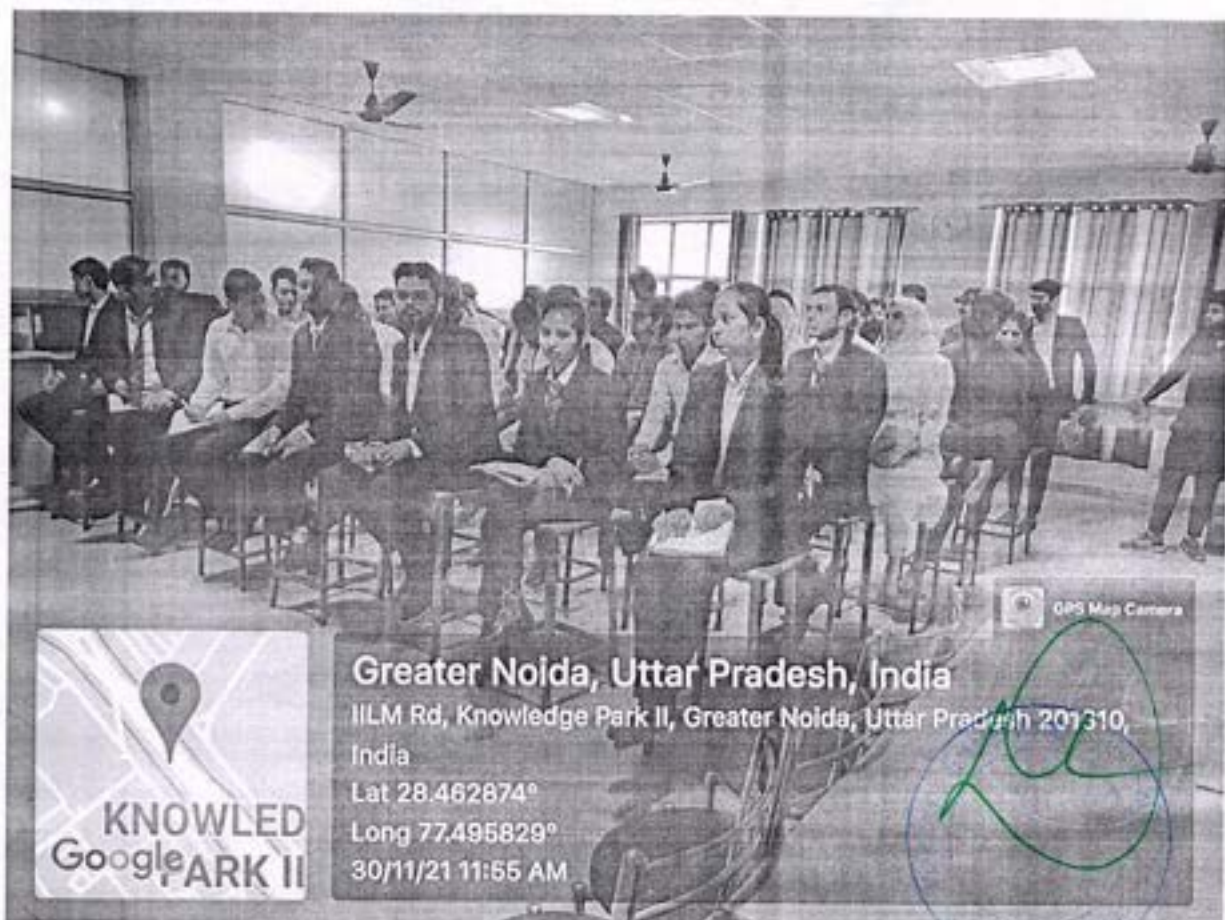
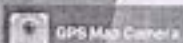
**Greater Noida, Uttar Pradesh, India**

GREATER NOIDA INSTITUTE OF TECHNOLOGY Knowledge Park II, Greater Noida, Uttar Pradesh 201310, India

Lat 28.463208°

Long 77.49547°

30/11/21 03:57 PM



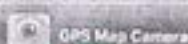
**Greater Noida, Uttar Pradesh, India**

IILM Rd, Knowledge Park II, Greater Noida, Uttar Pradesh 201310, India

Lat 28.462874°

Long 77.495829°

30/11/21 11:55 AM





Greater Noida, Uttar Pradesh, India  
IILM Rd, Knowledge Park II, Greater Noida, Uttar Pradesh 201310,  
India  
Lat 28.462874°  
Long 77.495829°  
30/11/21 11:57 AM

Greater Noida Institute of Technology  
Director  
(Engg. Inst.) - Greater Noida

**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	190515	1901320310074	SHAD ANSARI	P
2	200014	2001320310027	RITIK RAJ	P
3	200044	2001320310031	SAZIA SHAFAK	P
4	200055	2001320310036	SUNNY KUMAR	A
5	200064	2001320310015	INDRADEV PRAMANIK	P
6	200126	2001320310023	PULKIT TIWARI	P
7	200127	2001320310013	BHASKAR BHATT	P
8	200142	2001320310016	ISHAN SINGH	A
9	200186	2001320310012	BHASKAR BHARDWAJ	P
10	200251	2001320310004	ANIMESH S DHINGAN	P
11	200280	2001320310030	RUDRESH PRATAP SINGH	P
12	200376	2001320310025	RAVI RAJ	A
13	200381	2001320310002	ABHISHEK SINGH	P
14	200406	2001320310009	ATUL RATHAUR	P
15	200456	2001320310007	ANSHUMAN	P
16	200478	2001320310034	SHUBHAM RANJAN	A
17	200486	2001320310026	RISHAV DEO	A
18	200493	2001320310024	RAHUL KUMAR	P
19	200504	2001320310020	NEERAJ KUMAR	A
20	200549	2001320310039	VINAY KUMAR THAKUR	P
21	200551	2001320310001	ABHISHEK KUMAR	P
22	200558	2001320310017	KRITAGY SHRIVASTAVA	A
23	200568	2001320310014	CHANDAN KR ROY	D
24	200570	2001320310008	ASIF HUSSAIN	A
25	200577	2001320310003	AKSHAT RAJ	P
26	200580	2001320310006	ANMOL MADAN	P
27	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	A
28	200597	2001320310018	MOHIT KUMAR	A
29	200599	2001320310035	SNEHA KUMARI	P
30	200600	2001320310028	RITURAJ	A
31	200619	2001320310019	NANDNI JHA	P
32	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	P
33	200653	2001320310037	SUYASH SANDILYA	P
34	200684	2001320310032	SHEIKH MAJID TARIQUE	A
35	200686	2001320310005	ANKIT VERMA	P
36	200694	2001320310021	NISHCHAY AADARSH	P
37	200697	2001320310029	ROHIT SINGH	P
38	200807	2001320310010	BEAUTY BALA	P
39	200851	2001320310033	SHIVAM KUMAR	A
40	2100023	0	NIKHIL KHULBE	P
41	2100170	0	SIDDHARTH MUDGAL	P
42	2100341	0	MD AMANULLAH	P
43	2100430	0	DANISH AHMAD	P
44	2100512	0	PRAKASH MISHRA	A
45	2100536	0	KM MANISHA MISHRA	A
46	2100571	0	MANAS UPADHYAY	P
47	2100590	0	RITIKA SINGH	P
48	2100591	0	STUTI DUBEY	A
49	2100595	0	KALASH CHAUHAN	A
50	2100621	0	PAWAN CHAUKIYAL	P
51	2100672	0	SHEIKH NAVREEN	P
52	2100673	0	SANA RIYAZ LONE	P
53	2100676	0	NIKHIL KUMAR	A







DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/ODD/Events/14

Date: 15 December 2021

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Hands on Training on Arduino and its Application** for the current semester, continuing the same practice you are all informed that **Hands on Training on Arduino and its Application** is being organized on 15 December 2021.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.



# GREATER NOIDA INSTITUTE OF TECHNOLOGY



HANDS-ON TRAINING ON ARDUINO

Electronics and Communication Engineering



# REPORT

## HANDS ON TRAINING

*on*

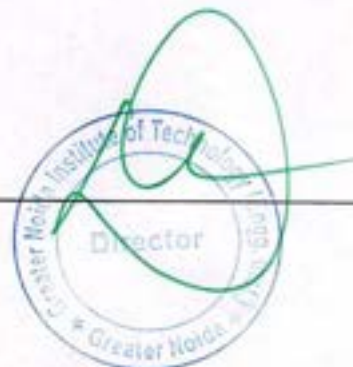
"ARDUINO & ITS APPLICATIONS "

15 DEC 2021

*Organized by*

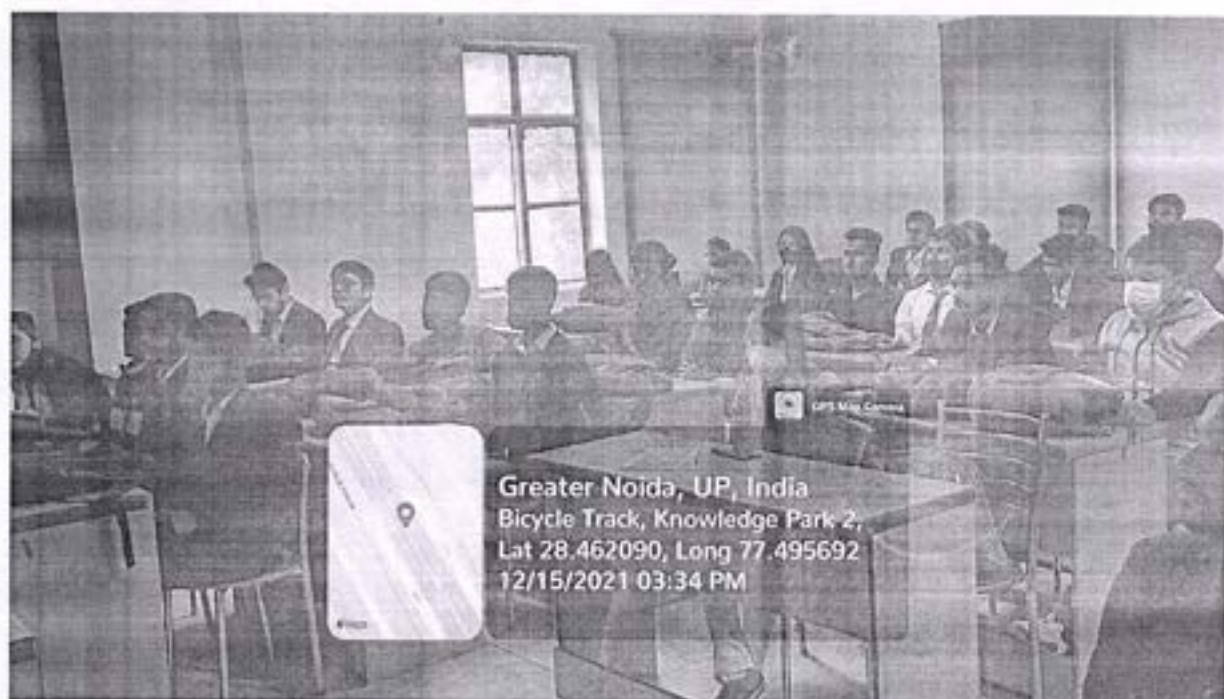


*Electronics and Communication Engineering Department*



**REPORT:** The Department of Electronics and Communications Engineering has initiated their 2<sup>nd</sup> year students with hands on training on Arduino and its Applications in which students participated enthusiastically with full strength. Mr. Vikas Singhal has invited by the Department to interact with the students and give them the insights as how important is the concept of training. The students were found keen to learn about Arduino and its Applications. The faculty members Mr. Shiv Narain Gupta, Assistant Professor, ECE and Mr. Amit Kumar, Assistant Professor, ECE took the initiative under the umbrella of Dr. Mukesh Ojha, HoD.





**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	190515	1901320310074	SHAD ANSARI	P
2	200014	2001320310027	RITIK RAJ	P
3	200044	2001320310031	SAZIA SHAFAK	P
4	200055	2001320310036	SUNNY KUMAR	A
5	200064	2001320310015	INDRADEV PRAMANIK	P
6	200126	2001320310023	PULKIT TIWARI	P
7	200127	2001320310013	BHASKAR BHATT	P
8	200142	2001320310016	ISHAN SINGH	A
9	200186	2001320310012	BHASKAR BHARDWAJ	P
10	200251	2001320310004	ANIMESH S DHINGAN	P
11	200280	2001320310030	RUDRESH PRATAP SINGH	P
12	200376	2001320310025	RAVI RAJ	A
13	200381	2001320310002	ABHISHEK SINGH	P
14	200406	2001320310009	ATUL RATHAUR	P
15	200456	2001320310007	ANSHUMAN	P
16	200478	2001320310034	SHUBHAM RANJAN	A
17	200486	2001320310026	RISHAV DEO	P
18	200493	2001320310024	RAHUL KUMAR	P
19	200504	2001320310020	NEERAJ KUMAR	P
20	200549	2001320310039	VINAY KUMAR THAKUR	A
21	200551	2001320310001	ABHISHEK KUMAR	P
22	200558	2001320310017	KRITAGY SHRIVASTAVA	P
23	200568	2001320310014	CHANDAN KR ROY	A
24	200570	2001320310008	ASIF HUSSAIN	P
25	200577	2001320310003	AKSHAT RAJ	P
26	200580	2001320310006	ANMOL MADAN	A
27	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	P
28	200597	2001320310018	MOHIT KUMAR	P
29	200599	2001320310035	SNEHA KUMARI	A
30	200600	2001320310028	RITURAJ	P
31	200619	2001320310019	NANDNI JHA	P
32	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	A
33	200653	2001320310037	SUYASH SANDILYA	P
34	200684	2001320310032	SHEIKH MAJID TARIQUE	P
35	200686	2001320310005	ANKIT VERMA	A
36	200694	2001320310021	NISHCHAY AADARSH	P
37	200697	2001320310029	ROHIT SINGH	P
38	200807	2001320310010	BEAUTY BALA	P
39	200851	2001320310033	SHIVAM KUMAR	A
40	2100023	0	NIKHIL KHULBE	P
41	2100170	0	SIDDHARTH MUDGAL	P
42	2100341	0	MD AMANULLAH	A
43	2100430	0	DANISH AHMAD	P
44	2100512	0	PRAKASH MISHRA	P
45	2100536	0	KM MANISHA MISHRA	A
46	2100571	0	MANAS UPADHYAY	P
47	2100590	0	RITIKA SINGH	P
48	2100591	0	STUTI DUBEY	P
49	2100595	0	KALASH CHAUHAN	A
50	2100621	0	PAWAN CHAUKIYAL	P
51	2100672	0	SHEIKH NAVREEN	P
52	2100673	0	SANA RIYAZ LONE	A
53	2100676	0	NIKHIL KUMAR	P





DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/EVEN/Events/17

Date: 1 January 2022

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Expert Talk on Game Theory** for the current semester, continuing the same practice you are all informed that **Expert Talk on Game Theory** is being organized on 6 January 2022.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.





TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS



ECE DEPARTMENT IS ORGANIZING

EXPERT TALK ON

# “GAME THEORY”



SPEAKER

*Dr. Siddhendu Das Mahapatra*

Associate Professor  
Manipal University Jaipur



Dr. Dhiraj Gupta  
Director



Dr. Mukesh Kumar Ojha  
HOD-ECE



Abhishek Kaushik  
Moderator

Online  
Platform



Google Meet



06<sup>th</sup>, Thursday  
January, 2022



03:30 PM  
05:00 PM

#EXPERTTALK



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | www.gniotgroup.edu.in | 1800-274-6969





# REPORT

## EXPERT TALK

*on*

## “GAME THEORY”

06 JAN 2022

*Organized by*



*Electronics and Communication Engineering Department*



## Report

**Event Name:** Expert Talk on "Game Theory"

**Date:** 6 January 2022.

**Resource Person:** Dr. S. D. Mahapatra (Associate Professor, Manipal University Jaipur)

Department of ECE organized an expert talk on "Game Theory" on 6 January 2022, from 11:30 AM onwards in Seminar hall, 1st floor. Dr. S. D. Mahapatra (Associate Professor, Manipal University, Jaipur) was invited as the eminent speaker. Around 20 students of 2nd and 3rd year (BTech ECE) participated in the event, which also created a tech environment in the department. The event started with the lamp lighting ceremony by the Dr. Dhiraj Gupta, Director, Dr. S. D. Mahapatra (Expert Speaker), Dr. Mukesh Ojha (HOD ECE), and the faculty members.

At first, Dr. Rakhi Bhardwaj interacted with the students and highlighted the importance of Game Theory. Afterwards, Dr. S. D. Mahapatra delivered a presentation on "Game Theory" where he discussed the basics of game theory and Solutions for the Internet of Things. Emerging Research and Opportunities examines the latest strategies for the management of IOT systems and the application of theoretical models to enhance real-world applications and improve system efficiency. Highlighting innovative algorithms and methods, as well as coverage on cloud computing, cross-domain applications, and energy control.

Dr. S. D. Mahapatra discussed various IoT-based projects in the presentation. The presentation concluded with the discussion of future work which students can carry out in their research. The Event was backed up from the participant end with an interactive Question and Answer session. The event came to end with a vote of thanks which was given by Dr. Mukesh Ojha.

We would like to extend a heartfelt thanks to GNIOT Management and Dr. Dhiraj Gupta, Director, for giving us the opportunity to organize this event. We're also thankful to Dr. Mukesh Ojha (HOD-ECE) for his valuable inputs and necessary support.



## Outcome of the Program

1. Students get to know the various innovative projects that they can opt for in their semester.
2. Students also became aware of the technical and financial support provided by IIC.
3. Students gained experience of how the Innovation activities are executed.
4. Students also became aware of the research gaps which exist in the domain of wireless sensor networks.
5. Students also became aware of the practices to be adopted in order to make their sensor network efficient.





Prisoner's Dilemma

**Practical Example**  
 Players- retailer-1, retailer-2  
 Action/Strategy- High (H) price/ Low (L) price  
 Game Table:

profit = utility = satisfaction

Retailer-1, Retailer-2		Retailer-2	
		H	L
Retailer-1	H	500,500 (H,H)	0,750 (H,L)
	L	750,0 (L,H)	250,250 (L,L)

2:54 AM | Expert Talk on Game Theory

2:12 AM | Expert Talk on Game Theory

Example

2:12 AM | Expert Talk on Game Theory



Attendance Sheet

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A/P
1	180042	1813231030	SAKSHI PRIYA	P
2	180048	1813231026	RISHAV KUMAR	P
3	180075	1813231027	ROHIT KUMAR	A
4	180089	1813231017	MURARI KUMAR JHA	P
5	180128	1813231028	ROHIT KUMAR	P
6	180137	1813231035	SOURABH BAILWAL	P
7	180179	1813231040	TEJASHWI RAJ	A
8	180194	1813231010	HARSH SACHAN	P
9	180216	1813231004	ANSHU KUMAR	P
10	180223	1813231036	SUDHAKAR SINGH	A
11	180234	1813231032	SATYAM GIRI	P
12	180263	1813231011	ISHANI SINGH	P
13	180273	1813231008	DIMPLE GOLA	P
14	180278	1813231041	UJJWAL KUMAR	A
15	180284	1813231022	POONAM	P
16	180291	1813231042	UMANG SINGH	P
17	180311	1813231029	ROHIT RAI	P
18	180316	1813231044	UTKARSH YADAV	A
19	180318	1813231001	ABDUR RAHMAN	P
20	180346	1813231045	VANSHIKA CHAUDHARY	P
21	180361	1813231039	TANVEER ALAM	P
22	180374	1813231034	SHRUTI JHA	P
23	180379	1813231009	HARSH KUMAR SHRIVASTAVA	A
24	180380	1813231047	YAKSH CHEEMA	P
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27	180487	1813231014	MADHU KUSHWAH	P
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29	180525	1813231012	KARAN SINGH RAWAT	P
30	180556	1813231015	MD MASHHOOD RAZA SIDDIQUI	A
31	180558	1813231018	NIRAJ KUMAR SINGH	P
32	180569	1813231003	ANANVAY RAI	P
33	180580	1813231025	RAHUL SHARMA	P
34	180612	1813231043	UPENDRA YADAV	A
35	180613	1813231019	NITIN KUMAR	P
36	180614	1813231023	PRIYANK RAJ	P
37	180617	1813231002	ABHAY PANDEY	P
38	180657	1813231020	PARV SINGH	P
39	180659	1813231033	SHIV RAM TATHAGAT	A
40	180661	1813231904	SHIVAM KUMAR	A
41	180683	1813231031	SAMARTH SINGH	P
42	180690	1813231038	SURAJ YADAV	A
43	180693	1813231013	TANUJA TOMAR	A

  
 Director  
 Greater Noida

Attendance Sheet

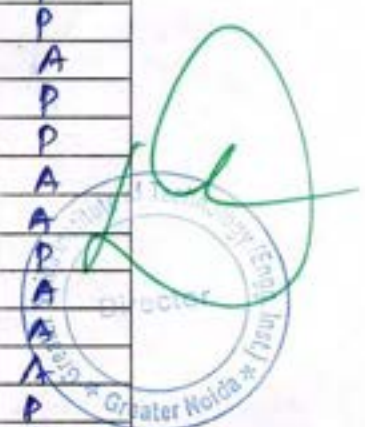
S.No.	Roll No	Student Name	A / P
1	1813231006	ASHUTOSH PRATAP SINGH	A
2	1901320310059	PRASHANT SHARMA	A
3	1901320310070	ROHIT MISHRA	P
4	1901320310041	KAMLESH KUMAR	P
5	1901320310012	ANJALI PRIYA	A
6	1901320310042	KARAN PANDEY	P
7	1901320310006	ABHISHEK KUMAR	P
8	1901320310044	KHUSHI KUMARI	P
9	1901320310032	GINNI KUMARI	A
10	1901320310075	SHANU KUMAR	P
11	1901320310088	VISHWJEET SINGH	P
12	1901320310056	PARV SHARMA	P
13	1901320310039	JAYA BHATNAGAR	P
14	1901320310007	ABHISHEK KUMAR	A
15	1901320310051	MD.ISHA ALAM	A
16	1901320310061	PRATYUSH KUMAR DAS	A
17	1901320310062	PRATYUSH PANDEY	P
18	1901320310063	PRAVESH CHAUHAN	P
19	1901320310065	PRIYANSHU	P
20	1901320310018	ANSHOO TIWARI	P
21	1901320310084	VIJAY PRAKASH GUPTA	P
22	1901320310073	SASHANK RANJAN	P
23	1901320310064	PRINCE KUMAR	P
24	1901320310011	ANJALI GUPTA	P
25	1901320310013	ANKIT KUMAR	P
26	1901320310048	MANISH MEENA	A
27	1901320310060	PRATEEK KUMAR MISHRA	A
28	1901320310058	PRAGYA PANDEY	P
29	1901320310046	MAMTA KUMARI	P
30	1901320310078	SUMIT KUMAR SINGH	P
31	1901320310022	ASADULLAH	A
32	1901320310053	MD. SHAMS ALAM	P
33	1901320310036	GULSHAN KUMAR JHA	P
34	1901320310017	ANSHIKA	P
35	1901320310045	KRISHNA MURARI JHA	A
36	1901320310008	AMAN SRIVASTAVA	P
37	1901320310057	PRABHAT KUMAR MISHRA	P
38	1901320310082	UJJWAL KUMAR	A
39	1901320310040	JAYSHREE KUMARI	P
40	1901320310021	ARYAN SINGH	A
41	1901320310033	GOPAL KUMAR	A
42	1901320310002	ABDUL SAMAD	P

S.No.	Roll No	Student Name	A / P
43	1901320310037	HRITIK KESHRI	P
44	1901320310034	GOPAL BHARDWAJ	P
45	1901320310031	GAURAV SINHA	A
46	1901320310004	ABHIMANYU KUSHWAHA	A
47	1901320310071	ROHIT KUMAR	P
48	1901320310076	SHREYA SRIVASTAVA	P
49	1901320310050	MD ASLAM ANSARI	A
50	1901320310077	SUMIT KUMAR	P
51	1901320310080	SWEETY KUMARI	P
52	1901320310035	GOPAL GUPTA	P
53	1901320310029	GANGA SAGAR CHAUDHARY	A
54	1901320310024	ASHWANI KUMAR MANDAL	A
55	1901320310086	VISHAL YADAV	P
56	1901320310023	ASHUTOSH ANAND	P
57	1901320310069	RISHABH	P
58	1901320310026	BHAVESH KUMAR	A
59	1901320310030	GAURAV HALDIYA	P
60	1901320310020	ARYAN GUPTA	P
61	1901320310081	TUSHAR JHA	P
62	1901320310072	SAMEER ANSARI	A
63	1901320310034	DEEPAK KUMAR SINGH	P
64	1901320310038	JAIDYUMNA ARYA	P
65	1901320310079	SWAYM SAPRA	P
66	1901320310019	ANSHUL NAGAR	A
67	1901320310001	AAYUSHI SINGH	A
68	1901320310009	AMITESH SINGH	P
69	1901320310016	ANNU PRIYA	P
70	1901320310055	PALLAVI KUMARI	P
71	1901320310067	RAHUL GAUTAM	A
72	1901320310043	KAUSHIK KUMAR	P
73	1901320310005	ABHINAV KUMAR RANJAN	P
74	1901320310015	ANMOL NIGAM	P
75	1901320310085	VINAY KUMAR SINGH	A
76	2001320319004	RAJAT KUMAR	P
77	2001320319008	SHREYANSHI KANT	P
78	2001320319002	ANIL KUSHWAHA	A
79	2001320319001	AAKASH	P
80	2001320319009	UJALA PRAJAPATI	A
81	2001320319006	SEEMA	P
82	2001320319003	MOHD ANAS	P
83	2001320319010	VIMAL CHOURASIA	A
84	2001320319005	SANIYA TYAGI	A



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S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	190515	1901320310074	SHAD ANSARI	P
2	200014	2001320310027	RITIK RAJ	P
3	200044	2001320310031	SAZIA SHAFAK	P
4	200055	2001320310036	SUNNY KUMAR	A
5	200064	2001320310015	INDRADEV PRAMANIK	P
6	200126	2001320310023	PULKIT TIWARI	P
7	200127	2001320310013	BHASKAR BHATT	A
8	200142	2001320310016	ISHAN SINGH	P
9	200186	2001320310012	BHASKAR BHARDWAJ	P
10	200251	2001320310004	ANIMESH S DHINGAN	A
11	200280	2001320310030	RUDRESH PRATAP SINGH	P
12	200376	2001320310025	RAVI RAJ	P
13	200381	2001320310002	ABHISHEK SINGH	A
14	200406	2001320310009	ATUL RATHAUR	P
15	200456	2001320310007	ANSHUMAN	P
16	200478	2001320310034	SHUBHAM RANJAN	A
17	200486	2001320310026	RISHAV DEO	A
18	200493	2001320310024	RAHUL KUMAR	P
19	200504	2001320310020	NEERAJ KUMAR	P
20	200549	2001320310039	VINAY KUMAR THAKUR	P
21	200551	2001320310001	ABHISHEK KUMAR	A
22	200558	2001320310017	KRITAGY SHRIVASTAVA	P
23	200568	2001320310014	CHANDAN KR ROY	P
24	200570	2001320310008	ASIF HUSSAIN	P
25	200577	2001320310003	AKSHAT RAJ	A
26	200580	2001320310006	ANMOL MADAN	P
27	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	P
28	200597	2001320310018	MOHIT KUMAR	P
29	200599	2001320310035	SNEHA KUMARI	P
30	200600	2001320310028	RITURAJ	A
31	200619	2001320310019	NANDNI JHA	A
32	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	P
33	200653	2001320310037	SUYASH SANDILYA	P
34	200684	2001320310032	SHEIKH MAJID TARIQUE	P
35	200686	2001320310005	ANKIT VERMA	P
36	200694	2001320310021	NISHCHAY AADARSH	P
37	200697	2001320310029	ROHIT SINGH	P
38	200807	2001320310010	BEAUTY BALA	A
39	200851	2001320310033	SHIVAM KUMAR	P
40	2100023	0	NIKHIL KHULBE	P
41	2100170	0	SIDDHARTH MUDGAL	A
42	2100341	0	MD AMANULLAH	P
43	2100430	0	DANISH AHMAD	P
44	2100512	0	PRAKASH MISHRA	A
45	2100536	0	KM MANISHA MISHRA	A
46	2100571	0	MANAS UPADHYAY	P
47	2100590	0	RITIKA SINGH	A
48	2100591	0	STUTI DUBEY	A
49	2100595	0	KALASH CHAUHAN	A
50	2100621	0	PAWAN CHAUKIYAL	P
51	2100672	0	SHEIKH NAVREEN	P
52	2100673	0	SANA RIYAZ LONE	P
53	2100676	0	NIKHIL KUMAR	P







ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/EVEN/Events/19

Date: 15 January 2022

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Webinar on Application and Scope of Arduino Platform in IOT** for the current semester, continuing the same practice you are all informed that **Webinar on Application and Scope of Arduino Platform in IOT** is being organized on 22 January 2022.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.



ECE DEPARTMENT IS ORGANIZING

WEBINAR

Application and scope  
of Arduino Platform in IoT



SPEAKER

*Anshuman Prakash*  
Technical Head  
HexNBit Pvt. Ltd.



Dr. Dhiraj Gupta  
Dean



Dr. Mukesh Kumar Ojha  
HOD-ECE



Abhishek Kaushik  
Moderator

Online  
Platform

Google Meet

22<sup>nd</sup>, Saturday  
January, 2022

03:00 PM  
04:30 PM

#EXPERTTALK



# REPORT

## WEBINAR

*on*

**“APPLICATION & SCOPE OF ARDUINO  
PLATFORM IN IOT”**

22 JAN 2022

*Organized by*



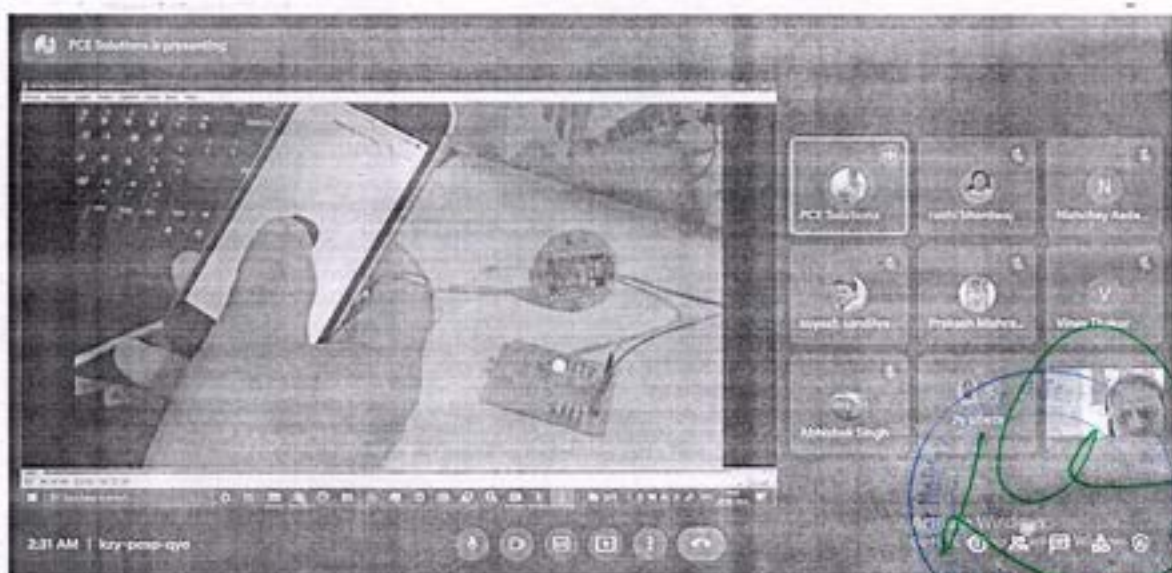
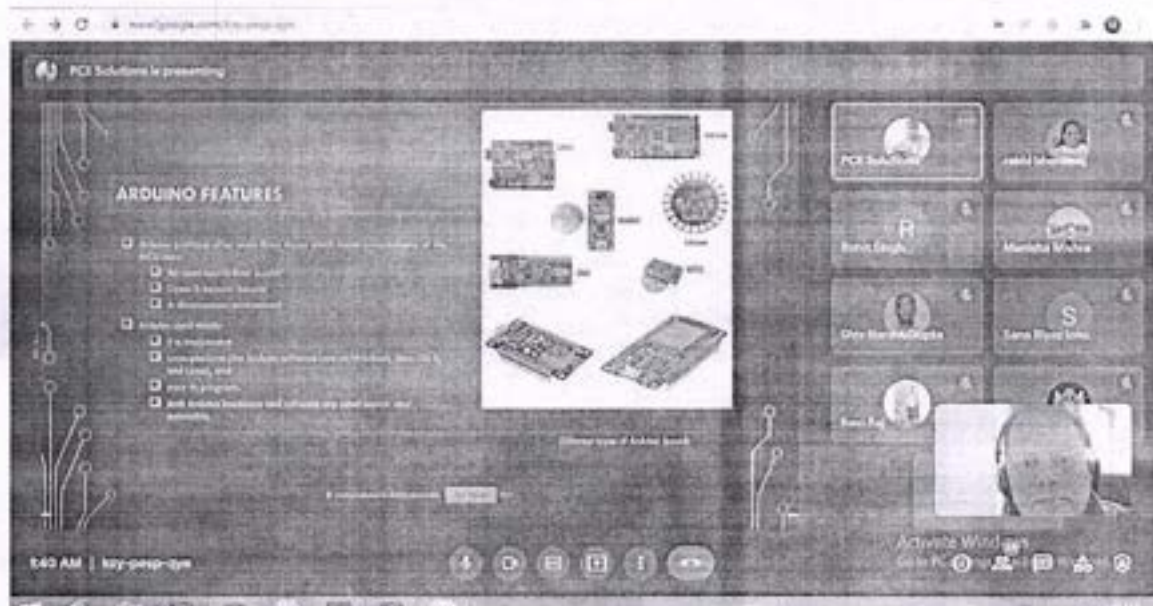
***Electronics and Communication Engineering Department***



**REPORT:** Department of ECE had organized a webinar on "Application and Scope of Arduino Platform in IoT" By Mr. Anshuman Prakash, senior embedded & IOT mentor at HexNBit Pvt. Ltd., Noida) He began the session with introduction on Arduino & it's real time application in IOT.

At the end of session, He demonstrated few live demo on Arduino interfacing with other device and explain various Arduino applications and concerned protocols. The entire session was very interactive & knowledge for one & all!!!!





Meeting ID: 919 919 919

PCF Subram is presenting

### WRITING ARDUINO PROGRAM

- Software written using Arduino IDE (used Mac OS)
- Language is simplified C that makes easy to write but it is useful function.
- These disabled are available in the next module (C++) and paired with the file extension .cpp
- A typical sketch consists of two parts or functions.
- The initialization function called setup and the loop function.
- setup() - run once at beginning, set pins
- loop() - run repeatedly, after setup()

1:51 AM | kzy-pes@-gpe



Attendance Sheet

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5	1901320310012	ANJALI PRIYA	A	47	1901320310071	ROHIT KUMAR	P
6	1901320310042	KARAN PANDEY	P	48	1901320310076	SHREYA SRIVASTAVA	P
7	1901320310006	ABHISHEK KUMAR	P	49	1901320310050	MD ASLAM ANSARI	P
8	1901320310044	KHUSHI KUMARI	A	50	1901320310077	SUMIT KUMAR	A
9	1901320310032	GINNI KUMARI	P	51	1901320310080	SWEETY KUMARI	A
10	1901320310075	SHANU KUMAR	P	52	1901320310035	GOPAL GUPTA	P
11	1901320310088	VISHWJEET SINGH	A	53	1901320310029	GANGA SAGAR CHAUDHARY	P
12	1901320310056	PARV SHARMA	P	54	1901320310024	ASHWANI KUMAR MANDAL	P
13	1901320310039	JAYA BHATNAGAR	P	55	1901320310086	VISHAL YADAV	P
14	1901320310007	ABHISHEK KUMAR	P	56	1901320310023	ASHUTOSH ANAND	A
15	1901320310051	MD.ISHA ALAM	A	57	1901320310069	RISHABH	P
16	1901320310061	PRATYUSH KUMAR DAS	P	58	1901320310026	BHAVESH KUMAR	P
17	1901320310062	PRATYUSH PANDEY	P	59	1901320310030	GAURAV HALDIYA	A
18	1901320310063	PRAVESH CHAUHAN	P	60	1901320310020	ARYAN GUPTA	P
19	1901320310065	PRIYANSHU	A	61	1901320310081	TUSHAR JHA	A
20	1901320310018	ANSHOO TIWARI	A	62	1901320310072	SAMEER ANSARI	P
21	1901320310084	VIJAY PRAKASH GUPTA	P	63	1901320310034	DEEPAK KUMAR SINGH	P
22	1901320310073	SASHANK RANJAN	P	64	1901320310038	JAIDYUMNA ARYA	P
23	1901320310064	PRINCE KUMAR	P	65	1901320310079	SWAYM SAPRA	A
24	1901320310011	ANJALI GUPTA	P	66	1901320310019	ANSHUL NAGAR	A
25	1901320310013	ANKIT KUMAR	A	67	1901320310001	AAYUSHI SINGH	P
26	1901320310048	MANISH MEENA	P	68	1901320310009	AMITESH SINGH	P
27	1901320310060	PRATEEK KUMAR MISHRA	P	69	1901320310016	ANNU PRIYA	A
28	1901320310058	PRAGYA PANDEY	P	70	1901320310055	PALLAVI KUMARI	P
29	1901320310046	MAMTA KUMARI	P	71	1901320310067	RAHUL GAUTAM	P
30	1901320310078	SUMIT KUMAR SINGH	A	72	1901320310043	KAUSHIK KUMAR	P
31	1901320310022	ASADULLAH	P	73	1901320310005	ABHINAV KUMAR RANJAN	A
32	1901320310053	MD. SHAMS ALAM	P	74	1901320310015	ANMOL NIGAM	P
33	1901320310036	GULSHAN KUMAR JHA	A	75	1901320310085	VINAY KUMAR SINGH	P
34	1901320310017	ANSHIKA	P	76	2001320319004	RAJAT KUMAR	A
35	1901320310045	KRISHNA MURARI JHA	P	77	2001320319008	SHREYANSHI KANT	P
36	1901320310008	AMAN SRIVASTAVA	A	78	2001320319002	ANIL KUSHWAHA	P
37	1901320310057	PRABHAT KUMAR MISHRA	P	79	2001320319001	AAKASH	A
38	1901320310082	UJJWAL KUMAR	P	80	2001320319009	UJALA PRAJAPATI	P
39	1901320310040	JAYSHREE KUMARI	A	81	2001320319006	SEEMA	A
40	1901320310021	ARYAN SINGH	P	82	2001320319003	MOHD ANAS	P
41	1901320310033	GOPAL KUMAR	P	83	2001320319010	VIMAL CHOURASIA	P
42	1901320310002	ABDUL SAMAD	A	84	2001320319005	SANIYA TYAGI	P





**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	190515	1901320310074	SHAD ANSARI	P
2	200014	2001320310027	RITIK RAJ	P
3	200044	2001320310031	SAZIA SHAFAK	A
4	200055	2001320310036	SUNNY KUMAR	P
5	200064	2001320310015	INDRADEV PRAMANIK	P
6	200126	2001320310023	PULKIT TIWARI	A
7	200127	2001320310013	BHASKAR BHATT	P
8	200142	2001320310016	ISHAN SINGH	P
9	200186	2001320310012	BHASKAR BHARDWAJ	A
10	200251	2001320310004	ANIMESH S DHINGAN	P
11	200280	2001320310030	RUDRESH PRATAP SINGH	P
12	200376	2001320310025	RAVI RAJ	P
13	200381	2001320310002	ABHISHEK SINGH	A
14	200406	2001320310009	ATUL RATHAUR	P
15	200456	2001320310007	ANSHUMAN	P
16	200478	2001320310034	SHUBHAM RANJAN	P
17	200486	2001320310026	RISHAV DEO	A
18	200493	2001320310024	RAHUL KUMAR	A
19	200504	2001320310020	NEERAJ KUMAR	P
20	200549	2001320310039	VINAY KUMAR THAKUR	P
21	200551	2001320310001	ABHISHEK KUMAR	P
22	200558	2001320310017	KRITAGY SHRIVASTAVA	A
23	200568	2001320310014	CHANDAN KR ROY	P
24	200570	2001320310008	ASIF HUSSAIN	P
25	200577	2001320310003	AKSHAT RAJ	P
26	200580	2001320310006	ANMOL MADAN	A
27	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	P
28	200597	2001320310018	MOHIT KUMAR	P
29	200599	2001320310035	SNEHA KUMARI	P
30	200600	2001320310028	RITURAJ	A
31	200619	2001320310019	NANDNI JHA	P
32	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	P
33	200653	2001320310037	SUYASH SANDILYA	P
34	200684	2001320310032	SHEIKH MAJID TARIQUE	P
35	200686	2001320310005	ANKIT VERMA	A
36	200694	2001320310021	NISHCHAY AADARSH	A
37	200697	2001320310029	ROHIT SINGH	P
38	200807	2001320310010	BEAUTY BALA	A
39	200851	2001320310033	SHIVAM KUMAR	A
40	2100023	0	NIKHIL KHULBE	P
41	2100170	0	SIDDHARTH MUDGAL	P
42	2100341	0	MD AMANULLAH	A
43	2100430	0	DANISH AHMAD	A
44	2100512	0	PRAKASH MISHRA	P
45	2100536	0	KM MANISHA MISHRA	P
46	2100571	0	MANAS UPADHYAY	A
47	2100590	0	RITIKA SINGH	A
48	2100591	0	STUTI DUBEY	P
49	2100595	0	KALASH CHAUHAN	P
50	2100621	0	PAWAN CHAUKIYAL	P
51	2100672	0	SHEIKH NAVREEN	A
52	2100673	0	SANA RIYAZ LONE	P
53	2100676	0	NIKHIL KUMAR	P

Director  
Institute of Technology  
Greater Noida



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/EVEN/Events/21

Date: 1 February 2022

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Deep Learning and Its Applications** for the current semester, continuing the same practice you are all informed that **Deep Learning and Its Applications** is being organized on 8 February 2022.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.



ECE DEPARTMENT IS ORGANIZING

WEBINAR ON

# "Deep Learning & It's Applications"



SPEAKER

**Dr. Vaibhav Soni**

Assistant Professor  
MANIT Bhopal  
Ex Faculty - BITS Pilani



Dr. Dhroaj Gupta  
Director



Dr. Mukesh Kumar Ojha  
HOD-ECE



Dr. Rakhi Bhardwaj  
Moderator

Online  
Platform

Google Meet



06<sup>th</sup>, Tuesday  
Jan, 2022



03:30 PM  
05:00 PM

#WEBINAR



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969



# REPORT

## WEBINAR

*on*

**"DEEP LEARNING & ITS APPLICATIONS"**

08 FEB 2022

*Organized by*



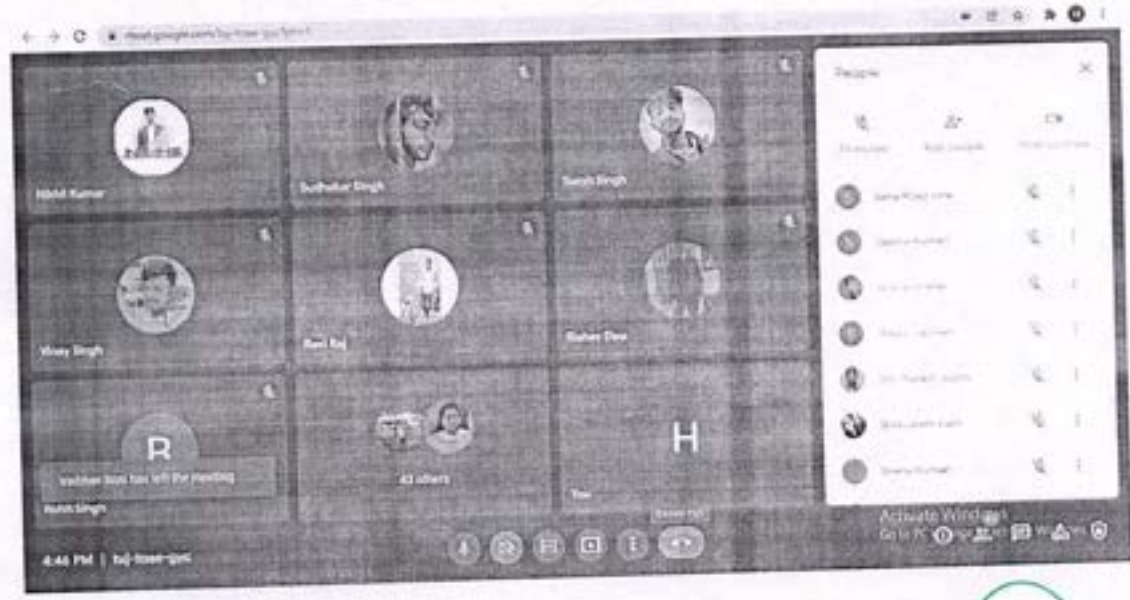
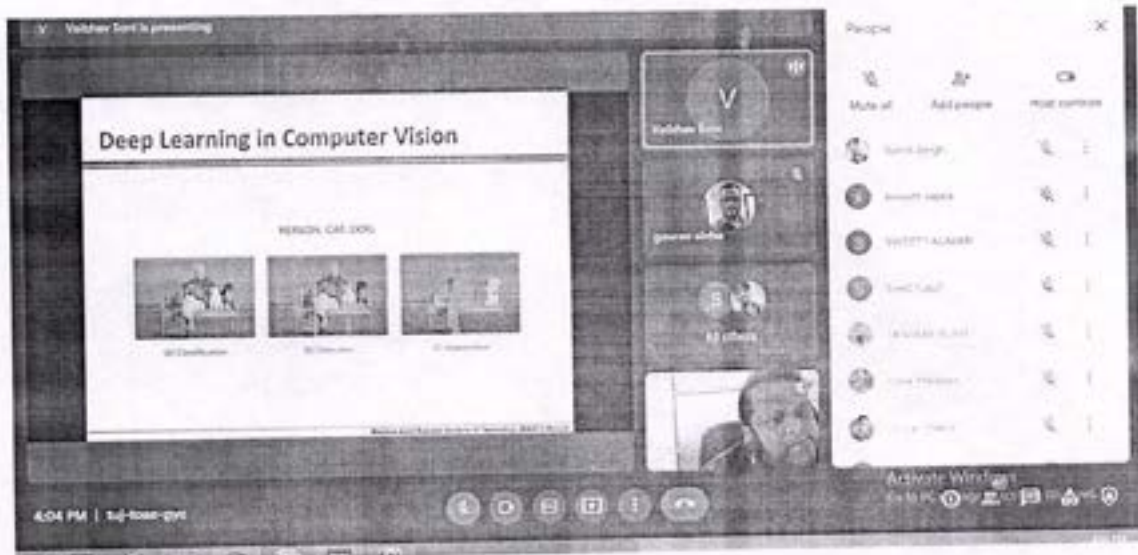
***Electronics and Communication Engineering Department***



**REPORT:** Department of Electronics & Communication Engineering had successfully organized a webinar on " Deep Learning & It's applications ".The eminent Speaker Dr. Vaibhav Soni, Associate Professor MANIT, Bhopal. Ex- Faculty BITS Pilani, began his talk on Introduction on Artificial Intelligence, Machine learning & Deep Learning & thoroughly explained about the deep learning & it's applications in various domain of engineering such as Signal Processing, Biomedical & computer vision (Image processing). Finally, he concluded his talk with various existing algorithm such as convolution Neural Network ( CNN) , R-CNN & it's applications in the field of computer Vision. The entire session was very interactive & informative from both learning & Research point of view. The session was attended by more than 75 students of 2nd & 3rd year ECE students & all faculty member of ECE.







**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A/P
1	180042	1813231030	SAKSHI PRIYA	P
2	180048	1813231026	RISHAV KUMAR	P
3	180075	1813231027	ROHIT KUMAR	P
4	180089	1813231017	MURARI KUMAR JHA	P
5	180128	1813231028	ROHIT KUMAR	P
6	180137	1813231035	SOURABH BAILWAL	P
7	180179	1813231040	TEJASHWI RAJ	P
8	180194	1813231010	HARSH SACHAN	A
9	180216	1813231004	ANSHU KUMAR	A
10	180223	1813231036	SUDHAKAR SINGH	A
11	180234	1813231032	SATYAM GIRI	P
12	180263	1813231011	ISHANI SINGH	P
13	180273	1813231008	DIMPLE GOLA	P
14	180278	1813231041	UJJWAL KUMAR	P
15	180284	1813231022	POONAM	P
16	180291	1813231042	UMANG SINGH	P
17	180311	1813231029	ROHIT RAI	P
18	180316	1813231044	UTKARSH YADAV	A
19	180318	1813231001	ABDUR RAHMAN	A
20	180346	1813231045	VANSHIKA CHAUDHARY	A
21	180361	1813231039	TANVEER ALAM	P
22	180374	1813231034	SHRUTI JHA	A
23	180379	1813231009	HARSH KUMAR SHRIVASTAVA	P
24	180380	1813231047	YAKSH CHEEMA	P
25	180384	1813231007	AZHARUDDIN KHAN	P
26	180408	1813231005	ARPIT KUMAR	A
27	180487	1813231014	MADHU KUSHWAH	P
28	180509	1813231046	VISHAL KUMAR SINGH	A
29	180525	1813231012	KARAN SINGH RAWAT	P
30	180556	1813231015	MD MASHHOOD RAZA SIDDIQUI	P
31	180558	1813231018	NIRAJ KUMAR SINGH	A
32	180569	1813231003	ANANVAY RAI	P
33	180580	1813231025	RAHUL SHARMA	A
34	180612	1813231043	UPENDRA YADAV	P
35	180613	1813231019	NITIN KUMAR	A
36	180614	1813231023	PRIYANK RAJ	P
37	180617	1813231002	ABHAY PANDEY	A
38	180657	1813231020	PARV SINGH	P
39	180659	1813231033	SHIV RAM TATHAGAT	P
40	180661	1813231904	SHIVAM KUMAR	P
41	180683	1813231031	SAMARTH SINGH	P
42	180690	1813231038	SURAJ YADAV	P
43	180693	1813231013	TANUJA TOMAR	P





Attendance Sheet

S.No.	Roll No	Student Name	A / P	S.No.	Roll No	Student Name	A / P
1	1813231006	ASHUTOSH PRATAP SINGH	P	43	1901320310037	HRITIK KESHRI	P
2	1901320310059	PRASHANT SHARMA	P	44	1901320310034	GOPAL BHARDWAJ	P
3	1901320310070	ROHIT MISHRA	P	45	1901320310031	GAURAV SINHA	A
4	1901320310041	KAMLESH KUMAR	A	46	1901320310004	ABHIMANYU KUSHWAHA	P
5	1901320310012	ANJALI PRIYA	A	47	1901320310071	ROHIT KUMAR	A
6	1901320310042	KARAN PANDEY	P	48	1901320310076	SHREYA SRIVASTAVA	P
7	1901320310006	ABHISHEK KUMAR	A	49	1901320310050	MD ASLAM ANSARI	P
8	1901320310044	KHUSHI KUMARI	P	50	1901320310077	SUMIT KUMAR	P
9	1901320310032	GINNI KUMARI	P	51	1901320310080	SWEETY KUMARI	P
10	1901320310075	SHANU KUMAR	P	52	1901320310035	GOPAL GUPTA	P
11	1901320310088	VISHWJEET SINGH	A	53	1901320310029	GANGA SAGAR CHAUDHARY	A
12	1901320310056	PARV SHARMA	P	54	1901320310024	ASHWANI KUMAR MANDAL	A
13	1901320310039	JAYA BHATNAGAR	A	55	1901320310086	VISHAL YADAV	P
14	1901320310007	ABHISHEK KUMAR	P	56	1901320310023	ASHUTOSH ANAND	P
15	1901320310051	MD.ISHA ALAM	P	57	1901320310069	RISHABH	P
16	1901320310061	PRATYUSH KUMAR DAS	A	58	1901320310026	BHAVESH KUMAR	P
17	1901320310062	PRATYUSH PANDEY	P	59	1901320310030	GAURAV HALDIYA	A
18	1901320310063	PRAVESH CHAUHAN	P	60	1901320310020	ARYAN GUPTA	P
19	1901320310065	PRIYANSHU	P	61	1901320310081	TUSHAR JHA	P
20	1901320310018	ANSHOO TIWARI	P	62	1901320310072	SAMEER ANSARI	P
21	1901320310084	VIJAY PRAKASH GUPTA	A	63	1901320130034	DEEPAK KUMAR SINGH	P
22	1901320310073	SASHANK RANJAN	A	64	1901320310038	JAIDYUMNA ARYA	P
23	1901320310064	PRINCE KUMAR	P	65	1901320310079	SWAYM SAPRA	P
24	1901320310011	ANJALI GUPTA	A	66	1901320310019	ANSHUL NAGAR	P
25	1901320310013	ANKIT KUMAR	P	67	1901320310001	AAYUSHI SINGH	P
26	1901320310048	MANISH MEENA	P	68	1901320310009	AMITESH SINGH	P
27	1901320310060	PRATEEK KUMAR MISHRA	P	69	1901320310016	ANNU PRIYA	A
28	1901320310058	PRAGYA PANDEY	P	70	1901320310055	PALLAVI KUMARI	P
29	1901320310046	MAMTA KUMARI	P	71	1901320310067	RAHUL GAUTAM	P
30	1901320310078	SUMIT KUMAR SINGH	P	72	1901320310043	KAUSHIK KUMAR ABHINAV KUMAR RANJAN	P
31	1901320310022	ASADULLAH	A	73	1901320310005	ANMOL NIGAM	P
32	1901320310053	MD. SHAMS ALAM	P	74	1901320310015	VINAY KUMAR SINGH	A
33	1901320310036	GULSHAN KUMAR JHA	A	75	1901320310085	RAJAT KUMAR	P
34	1901320310017	ANSHIKA	P	76	2001320319004	SHREYANSHI KANT	A
35	1901320310045	KRISHNA MURARI JHA	A	77	2001320319008	ANIL KUSHWAHA	P
36	1901320310008	AMAN SRIVASTAVA	P	78	2001320319002	AAKASH	A
37	1901320310057	PRABHAT KUMAR MISHRA	P	79	2001320319001	UJALA PRAJAPATI	P
38	1901320310082	UJJWAL KUMAR	P	80	2001320319009	SEEMA	P
39	1901320310040	JAYSHREE KUMARI	A	81	2001320319006	MOHD ANAS	P
40	1901320310021	ARYAN SINGH	P	82	2001320319003	VIMAL CHOURASIA	P
41	1901320310033	GOPAL KUMAR	P	83	2001320319010	SANIYA TYAGI	P
42	1901320310002	ABDUL SAMAD	P	84	2001320319005		P





DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/EVEN/Events/26

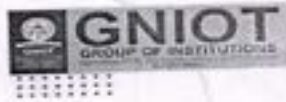
Date: 14 Feb 2022

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Expert Talk on The best way to predict the Future is to create it** for the current semester, continuing the same practice you are all informed that **Expert Talk on The best way to predict the Future is to create it** is being organized on 17 Feb 2022

The students are requested to Present in full strength and take the maximum benefits of the Webinar.





TRANSFORMING STUDENTS INTO INDUSTRY READY PROFESSIONALS



# ECE & EE DEPARTMENT

In association with

GNIOT -IIC (An Initiative of Ministry of Education Govt of INDIA)

ORGANISING

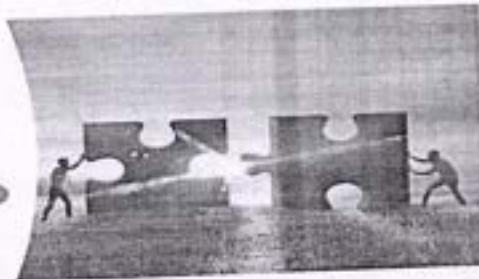
ORGANIZES

EXPERT TALK ON

## "The Best way to predict the Future is to create it"



Mr. Abhishek Gupta  
CEO & Founder Hexnbit



(Prof.) Dr. Dhiraj Gupta  
Director



Dr. Anuramjan Mishra  
Dean (IIT&O)



Dr. Mukesh Ojha  
IIT (I.I.T.)



Prof. Nishil Kumar  
IIT (I.I.T.)

#ExpertTalk

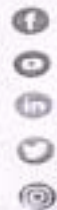


17<sup>th</sup>, Thursday  
February, 2022



03:30 PM  
04:30 PM

Online Platform | Google Meet



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201308 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-8969



# REPORT

**Event Name:** Expert Talk on The best way to predict the Future is to create it

**Date:** 17<sup>th</sup> Feb, 2022

**Resource Person:** Mr. Abhishek Gupta

## Summary

Department of Electronics & Communication Engineering and Electrical Engineering in association with the Institution of innovation of council, GNIOT had organized an expert talk on "The best way to predict the Future is to create it" on 17th February 2022. The Invited Speaker Mr. Abhishek Gupta who is the CEO and the Founder of HexnBit, Noida shared his experience and motivated the students towards entrepreneurship.

At first, Dr Anuranjan Mishra , Dean Incubation Centre , Innovation Ambassador , MoE , Govt. of India , interacted with the students and highlighted the importance of IIC. After that With the help of visual presentation he showed how this world would look after 25 years and explained to study and observes the market and its requirements. He said observing the requirement is the key to make your idea successful from average. The session was attended by more than 90 students and all faculty members of ECE and EE.





TRANSFORMING STUDENTS INTO INDUSTRY READY PROFESSIONALS



## ECE & EE DEPARTMENT

In association with

GNIOT -IIC (An Initiative of Ministry of Education Govt of INDIA)

ORGANISING

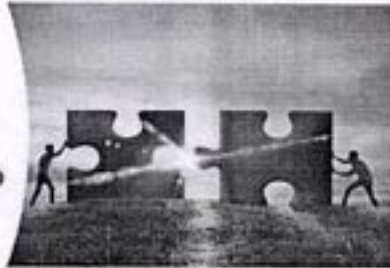
ORGANIZES

EXPERT TALK ON

"The Best way to predict the Future is to create it"



Mr. Abhishek Gupta  
CEO & Founder Hexbit



(Prof.) Dr. Dhiraaj Gupta  
Director



Dr. Anuramjan Mishra  
Dean (E&E)



Dr. Mukesh Ojha  
HOD (ECE)



Prof. Nikhil Kumar  
HOD (EE)

#ExpertTalk



17<sup>th</sup>, Thursday  
February 2022



03:30 PM  
04:30 PM

Online Platform | Google Meet



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3:31 PM | Expert Talk on "The Best way to predict the..."

Alshikh Gupta is presenting

People

Mute all Add people Host controls

Rahul Kumar  
Rahul Singh  
Rishi Shrivastava  
Rishabh Singh  
Rishav Das  
Rishi Raj  
Rishi Kumar

3:31 PM | Expert Talk on "The Best way to predict the..."

Activate Windows  
Go to PC settings

3:34 PM | Expert Talk on "The Best way to predict the..."

Alshikh Gupta is presenting

Skilling for future

Hexnbit Edtech Pvt Ltd- Company Domains

Hexnbit is India's first Ed-tech company which provides one-stop solutions for the students/Professionals in industry-connect Skill development courses. The platform not only provides subject expertise to the candidates but also give them industry exposure to apply their learnings practically in a practical real-world.

Advanced Embedded Systems & VLSI  
Secure Internet of Things (IoT)  
Artificial Intelligence & Machine Learning  
Software & Web development  
Android Application

77 others

People

Mute all Add people Host controls

Pravesh Chaudhari  
Rahul Kumar  
Rahul Singh  
Rishi Shrivastava  
Rishabh Singh  
Rishav Das  
Rishi Raj

3:34 PM | Expert Talk on "The Best way to predict the..."

Activate Windows  
Go to PC settings

3:45 PM | Expert Talk on "The Best way to predict the..."

Alshikh Gupta is presenting

Skilling for future

Key Element of Entrepreneurship

Idea Generation  
Business Model  
Revenue / Funding  
Marketing  
Launch  
Financial Analysis

72 others

People

Mute all Add people Host controls

Prabhat Kumar Mishra  
Pragya Pandey  
Pravesh Chaudhari  
Rishi Kumar  
Rishi Singh  
Rishi Shrivastava

3:45 PM | Expert Talk on "The Best way to predict the..."

Activate Windows  
Go to PC settings





**Greater Noida Institute of Technology, Gr. Noida**  
**Electronics & Communication Engineering Department**  
**Student List (EC-2ND YEAR)2020-21**

S.No.	AICTE Enrollment No	Student Name	P/A
1	1813231006	ASHUTOSH PRATAP SINGH	P
2	1901320130034	DEEPAK KUMAR SINGH	P
3	1901320310001	AAYUSHI SINGH	P
4	1901320310002	ABDUL SAMAD	A
5	1901320310004	ABHIMANYU KUSHWAHA	P
6	1901320310005	ABHINAV KUMAR RANJAN	P
7	1901320310006	ABHISHEK KUMAR	P
8	1901320310007	ABHISHEK KUMAR	P
9	1901320310009	AMITESH SINGH	P
10	1901320310011	ANJALI GUPTA	P
11	1901320310012	ANJALI PRIYA	P
12	1901320310013	ANKIT KUMAR	P
13	1901320310015	ANMOL NIGAM	A
14	1901320310016	ANNU PRIYA	A
15	1901320310017	ANSHIKA	A
16	1901320310018	ANSHOO TIWARI	P
17	1901320310019	ANSHUL NAGAR	P
18	1901320310020	ARYAN GUPTA	P
19	1901320310021	ARYAN SINGH	A
20	1901320310022	ASADULLAH	P
21	1901320310023	ASHUTOSH ANAND	P
22	1901320310024	ASHWANI KUMAR MANDAL	N
23	1901320310026	BHAVESH KUMAR	P
24	1901320310029	GANGA SAGAR CHAUDHARY	P
25	1901320310030	GAURAV HALDIYA	P
26	1901320310031	GAURAV SINHA	P
27	1901320310032	GINNI KUMARI	P
28	1901320310033	GOPAL KUMAR	P
29	1901320310034	GOPAL BHARDWAJ	A
30	1901320310035	GOPAL GUPTA	P
31	1901320310036	GULSHAN KUMAR JHA	P
32	1901320310037	HRITIK KESHRI	P
33	1901320310038	JAIDYUMNA ARYA	A
34	1901320310039	JAYA BHATNAGAR	P
35	1901320310040	JAYSHREE KUMARI	A
36	1901320310041	KAMLESH KUMAR	P
37	1901320310042	KARAN PANDEY	P
38	1901320310043	KAUSHIK KUMAR	A
39	1901320310044	KHUSHI KUMARI	P
40	1901320310045	KRISHNA MURARI JHA	P
41	1901320310046	MAMTA KUMARI	P
42	1901320310048	MANISH MEENA	A
43	1901320310050	MD ASLAM ANSARI	P
44	1901320310051	MD.ISHA ALAM	A
45	1901320310053	MD. SHAMS ALAM	P
46	1901320310055	PALLAVI KUMARI	A
47	1901320310056	PARV SHARMA	P
48	1901320310057	PRABHAT KUMAR MISHRA	P
49	1901320310058	PRAGYA PANDEY	P
50	1901320310059	PRASHANT SHARMA	A





51	1901320310060	PRATEEK KUMAR MISHRA	A
52	1901320310061	PRATYUSH KUMAR DAS	P
53	1901320310062	PRATYUSH PANDEY	P
54	1901320310063	PRAVESH CHAUHAN	P
55	1901320310064	PRINCE KUMAR	P
56	1901320310065	PRIYANSHU	A
57	1901320310067	RAHUL GAUTAM	P
58	1901320310069	RISHABH	P
59	1901320310070	ROHIT MISHRA	P
60	1901320310071	ROHIT KUMAR	P
61	1901320310072	SAMEER ANSARI	P
62	1901320310073	SASHANK RANJAN	P
63	1901320310075	SHANU KUMAR	P
64	1901320310076	SHREYA SRIVASTAVA	P
65	1901320310077	SUMIT KUMAR	A
66	1901320310078	SUMIT KUMAR SINGH	A
67	1901320310079	SWAYM SAPRA	P
68	1901320310080	SWEETY KUMARI	P
69	1901320310081	TUSHAR JHA	A
70	1901320310082	UJJWAL KUMAR	P
71	1901320310084	VIJAY PRAKASH GUPTA	P
72	1901320310085	VINAY KUMAR SINGH	P
73	1901320310086	VISHAL YADAV	P
74	1901320310088	VISHWJEET SINGH	A
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76	2001320319002	ANIL KUSHWAHA	P
77	2001320319005	SANIYA TYAGI	A
78	2001320319006	SEEMA	P
79	2001320319008	SHREYANSHI KANT	P
80	2001320319009	UJALA PRAJAPATI	A



**Greater Noida Institute of Technology, Gr. Noida**  
**Electronics & Communication Engineering Department**  
**Student List (EC-3RD YEAR)2020-21**

S.No.	AICTE	Student Name	P/A
1	1813231001	ABDUR RAHMAN	P
2	1813231002	ABHAY PANDEY	A
3	1813231003	ANANVAY RAI	P
4	1813231004	ANSHU KUMAR	A
5	1813231005	ARPIT KUMAR	P
6	1813231007	AZHARUDDIN KHAN	P
7	1813231008	DIMPLE GOLA	P
8	1813231009	HARSH KUMAR SHRIVASTAVA	P
9	1813231010	HARSH SACHAN	P
10	1813231011	ISHANI SINGH	P
11	1813231012	KARAN SINGH RAWAT	A
12	1813231013	TANUJA TOMAR	P
13	1813231014	MADHU KUSHWAH	P
14	1813231015	MD MASHHOOD RAZA SIDDIQUI	P
15	1813231017	MURARI KUMAR JHA	A
16	1813231018	NIRAJ KUMAR SINGH	P
17	1813231019	NITIN KUMAR	P
18	1813231020	PARV SINGH	P
19	1813231022	POONAM	P
20	1813231023	PRIYANK RAJ	P
21	1813231025	RAHUL SHARMA	P
22	1813231026	RISHAV KUMAR	P
23	1813231027	ROHIT KUMAR	P
24	1813231028	ROHIT KUMAR	P
25	1813231029	ROHIT RAI	P
26	1813231030	SAKSHI PRIYA	P
27	1813231031	SAMARTH SINGH	A
28	1813231032	SATYAM GIRI	A
29	1813231033	SHIV RAM TATHAGAT	P
30	1813231034	SHRUTI JHA	A
31	1813231035	SOURABH BAILWAL	P
32	1813231036	SUDHAKAR SINGH	P
33	1813231038	SURAJ YADAV	A
34	1813231039	TANVEER ALAM	P
35	1813231040	TEJASHWI RAJ	P
36	1813231041	UJJWAL KUMAR	A
37	1813231042	UMANG SINGH	P
38	1813231043	UPENDRA YADAV	P
39	1813231044	UTKARSH YADAV	P
40	1813231045	VANSHIKA CHAUDHARY	P
41	1813231046	VISHAL KUMAR SINGH	P
42	1813231047	YAKSH CHEEMA	P
43	1813231904	SHIVAM KUMAR	A

Director  
 Greater Noida Institute of Technology  
 Greater Noida \* Uttar Pradesh



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/EVEN/Events/22

Date: 20 February 2022

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Design Thinking, Critical Thinking and Innovation Design** for the current semester, continuing the same practice you are all informed that **Design Thinking, Critical Thinking and Innovation Design** is being organized on 28 February 2022.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.





TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS



## ECE DEPARTMENT

In association with

GNIOT -IIC (An Initiative of Ministry of Education Govt of INDIA)

ORGANISING

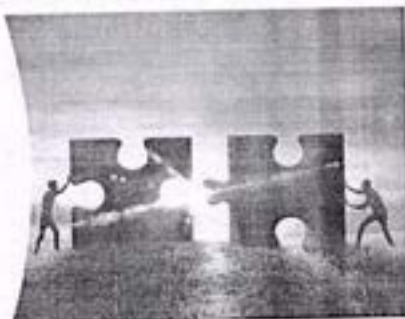
ORGANIZES

WORKSHOP ON

### Design Thinking, Critical thinking & Innovation Design



Dr. Anuranjan Mishra  
Dean (R&D)



Prof. (Dr.) Dhiraj Gupta  
Director



Dr. Mukesh Ojha  
HOD (ECE)



Abhishek Kaushik  
Moderator

#ExpertTalk



26<sup>th</sup>, Monday  
February, 2022



03:00 PM  
04:00 PM

Online Platform



Google Meet



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | www.gniotgroup.edu.in | 1800-274-6969



# REPORT

## WORKSHOP

*on*

**“DESIGN THINKING, CRITICAL THINKING & INNOVATION  
DESIGN”**

**28 FEB 2022**

*Organized by*



**Institution's Innovation Council**

**Greater Noida Institute of  
Technology (GNIOT)**

**(An Initiative of Ministry of Education, Govt. of India)  
Knowledge park-II, Greater Noida- 201308  
[www.gniot.net.in](http://www.gniot.net.in)**



**COURSE No. & TITLE:**  
**“DESIGN THINKING, CRITICAL THINKING & INNOVATION DESIGN”**

**REPORT:**

**PARTICIPANTS:**

**All Engineering Students & Faculty members**

**OBJECTIVES:**

- To understand why and how innovation is important
- To recognize the benefits which innovation can confer on an innovating organization
- To create a vibrant local innovation ecosystem.
- To establish function ecosystem for scouting ideas and pre-incubation of ideas.
- To develop better cognitive ability among students.

**Expert:**

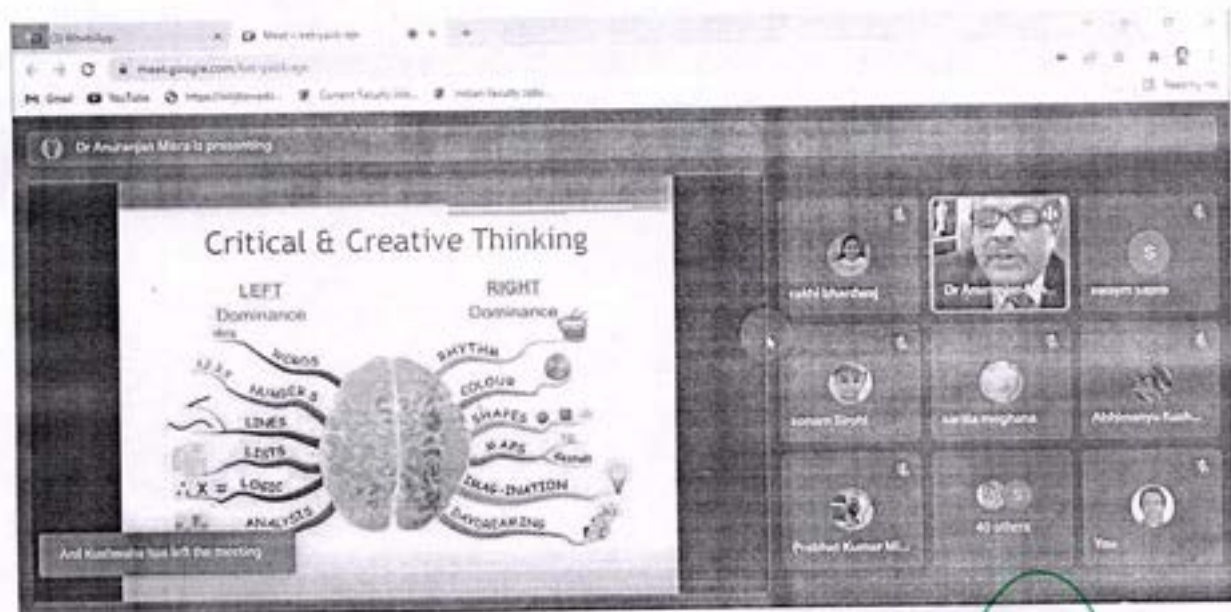
1. **Dr. Anuranjan Mishra** Dean(R&D) at GNIOT, Greater Noida

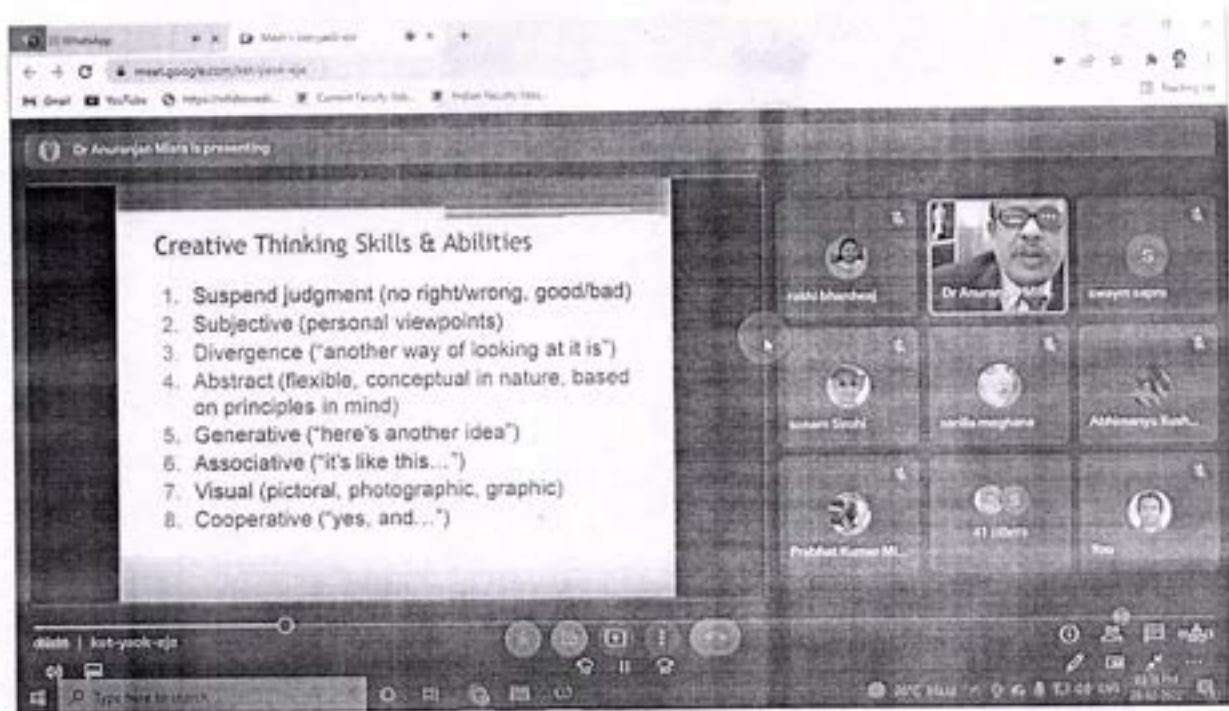
**Profile of the expert:**

Prof.(Dr.) Anuranjan Mishra, a alumni of IIM Calcutta is working as Professor & Dean (Research, Innovation & Development) at Greater Noida Institute of Technology, Greater Noida, India. He is Chairman of Computer Society of India, Ghaziabad Chapter. He is delivering consistent performance with regard to class-room teaching, research work and academic administration with an aim to set high standards of educational excellence. He is a good Team Leader, Motivator and Coordinator. His research focus on software testing, e-commerce, cyber laws & security. Prof. Mishra has published 140 research papers and authored 42 books. He has been involved in several research projects related to the above-mentioned topics and has been a consultant of several commercial projects for well-known India companies and public administration. Prof. Mishra is a Senior Member of CSI, IACSIT, IACNG, IRACST, SDIWC and member of CSTA, ISOC, ICE, AEE, IFETS, ISMCDM, SIGSE.

**Report:** GNIOT- Institutions innovation Council (an Initiative of Ministry of Education) 3.5 Star out of 4 ranked by AICTE & Ministry of Education, Govt. of India in association with GNIOT-ECE department had organized A workshop on 28-02-2022 at 3 PM to 4 PM .About 120 students of ECE department had attended the event. Welcome Address was given by Dr Rakhi of ECE department and Dr Anuranjan Misra, Dean(Research, Innovation & Development) was the speaker of the event







### Outcome of the Program

1. It helped in enhancing interpersonal skills and Innovation techniques
2. This Session has broken monotony and sparks interest in the innovation
3. Such activity develops the sense of responsibility among the students and make them confident to work in a learning environment.





**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	180042	1813231030	SAKSHI PRIYA	P
2	180048	1813231026	RISHAV KUMAR	P
3	180075	1813231027	ROHIT KUMAR	P
4	180089	1813231017	MURARI KUMAR JHA	P
5	180128	1813231028	ROHIT KUMAR	P
6	180137	1813231035	SOURABH BAILWAL	A
7	180179	1813231040	TEJASHWI RAJ	P
8	180194	1813231010	HARSH SACHAN	P
9	180216	1813231004	ANSHU KUMAR	P
10	180223	1813231036	SUDHAKAR SINGH	P
11	180234	1813231032	SATYAM GIRI	P
12	180263	1813231011	ISHANI SINGH	A
13	180273	1813231008	DIMPLE GOLA	A
14	180278	1813231041	UJJWAL KUMAR	P
15	180284	1813231022	POONAM	P
16	180291	1813231042	UMANG SINGH	P
17	180311	1813231029	ROHIT RAI	P
18	180316	1813231044	UTKARSH YADAV	P
19	180318	1813231001	ABDUR RAHMAN	P
20	180346	1813231045	VANSHIKA CHAUDHARY	P
21	180361	1813231039	TANVEER ALAM	A
22	180374	1813231034	SHRUTI JHA	P
23	180379	1813231009	HARSH KUMAR SHRIVASTAVA	A
24	180380	1813231047	YAKSH CHEEMA	P
25	180384	1813231007	AZHARUDDIN KHAN	P
26	180408	1813231005	ARPIT KUMAR	P
27	180487	1813231014	MADHU KUSHWAH	P
28	180509	1813231046	VISHAL KUMAR SINGH	P
29	180525	1813231012	KARAN SINGH RAWAT	P
30	180556	1813231015	MD MASHHOOD RAZA SIDDIQUI	A
31	180558	1813231018	NIRAJ KUMAR SINGH	P
32	180569	1813231003	ANANVAY RAI	P
33	180580	1813231025	RAHUL SHARMA	P
34	180612	1813231043	UPENDRA YADAV	P
35	180613	1813231019	NITIN KUMAR	A
36	180614	1813231023	PRIYANK RAJ	P
37	180617	1813231002	ABHAY PANDEY	P
38	180657	1813231020	PARV SINGH	P
39	180659	1813231033	SHIV RAM TATHAGAT	P
40	180661	1813231904	SHIVAM KUMAR	P
41	180683	1813231031	SAMARTH SINGH	P
42	180690	1813231038	SURAJ YADAV	A
43	180693	1813231013	TANUJA TOMAR	A



Attendance Sheet

S.No.	Roll No	Student Name	A/P	S.No.	Roll No	Student Name	A/P
1	1813231006	ASHUTOSH PRATAP SINGH	P	43	1901320310037	HRITIK KESHRI	A
2	1901320310059	PRASHANT SHARMA	P	44	1901320310034	GOPAL BHARDWAJ	P
3	1901320310070	ROHIT MISHRA	P	45	1901320310031	GAURAV SINHA	P
4	1901320310041	KAMLESH KUMAR	P	46	1901320310004	ABHIMANYU KUSHWAHA	P
5	1901320310012	ANJALI PRIYA	A	47	1901320310071	ROHIT KUMAR	P
6	1901320310042	KARAN PANDEY	P	48	1901320310076	SHREYA SRIVASTAVA	P
7	1901320310006	ABHISHEK KUMAR	P	49	1901320310050	MD ASLAM ANSARI	P
8	1901320310044	KHUSHI KUMARI	P	50	1901320310077	SUMIT KUMAR	P
9	1901320310032	GINNI KUMARI	P	51	1901320310080	SWEETY KUMARI	A
10	1901320310075	SHANU KUMAR	P	52	1901320310035	GOPAL GUPTA	A
11	1901320310088	VISHWJEET SINGH	A	53	1901320310029	GANGA SAGAR CHAUDHARY	P
12	1901320310056	PARV SHARMA	P	54	1901320310024	ASHWANI KUMAR MANDAL	P
13	1901320310039	JAYA BHATNAGAR	A	55	1901320310086	VISHAL YADAV	P
14	1901320310007	ABHISHEK KUMAR	P	56	1901320310023	ASHUTOSH ANAND	P
15	1901320310051	MD ISHA ALAM	P	57	1901320310069	RISHABH	A
16	1901320310061	PRATYUSH KUMAR DAS	P	58	1901320310026	BHAVESH KUMAR	A
17	1901320310062	PRATYUSH PANDEY	P	59	1901320310030	GAURAV HALDIYA	P
18	1901320310063	PRAVESH CHAUHAN	P	60	1901320310020	ARYAN GUPTA	P
19	1901320310065	PRIYANSHU	A	61	1901320310081	TUSHAR JHA	A
20	1901320310018	ANSHOO TIWARI	A	62	1901320310072	SAMEER ANSARI	P
21	1901320310084	VIJAY PRAKASH GUPTA	P	63	1901320130034	DEEPAK KUMAR SINGH	P
22	1901320310073	SASHANK RANJAN	P	64	1901320310038	JAIDYUMNA ARYA	P
23	1901320310064	PRINCE KUMAR	P	65	1901320310079	SWAYM SAPRA	P
24	1901320310011	ANJALI GUPTA	P	66	1901320310019	ANSHUL NAGAR	A
25	1901320310013	ANKIT KUMAR	P	67	1901320310001	AAYUSHI SINGH	P
26	1901320310048	MANISH MEENA	P	68	1901320310009	AMITESH SINGH	A
27	1901320310060	PRATEEK KUMAR MISHRA	P	69	1901320310016	ANNU PRIYA	P
28	1901320310058	PRAGYA PANDEY	P	70	1901320310055	PALLAVI KUMARI	A
29	1901320310046	MAMTA KUMARI	A	71	1901320310067	RAHUL GAUTAM	P
30	1901320310078	SUMIT KUMAR SINGH	P	72	1901320310043	KAUSHIK KUMAR ABHINAV KUMAR RANJAN	P
31	1901320310022	ASADULLAH	P	73	1901320310005	ANMOL NIGAM	A
32	1901320310053	MD. SHAMS ALAM	P	74	1901320310015	VINAY KUMAR SINGH	P
33	1901320310036	GULSHAN KUMAR JHA	P	75	2001320319004	RAJAT KUMAR	P
34	1901320310017	ANSHIKA	P	76	2001320319008	SHREYANSHI KANT	P
35	1901320310045	KRISHNA MURARI JHA	P	77	2001320319002	ANIL KUSHWAHA	P
36	1901320310008	AMAN SRIVASTAVA	A	78	2001320319001	AAKASH	A
37	1901320310057	PRABHAT KUMAR MISHRA	P	79	2001320319009	UJALA PRAJAPATI	P
38	1901320310082	UJJWAL KUMAR	P	80	2001320319006	SEEMA	P
39	1901320310040	JAYSHREE KUMARI	P	81	2001320319003	MOHD ANAS	P
40	1901320310021	ARYAN SINGH	P	82	2001320319010	VIMAL CHOUREASIA	A
41	1901320310033	GOPAL KUMAR	P	83	2001320319005	SANIYA TYAGI	P
42	1901320310002	ABDUL SAMAD	P	84			



## ECE-2ND

DATE:

S.No.	I.D. No.	AICTE Enrollment No	Student Name	Attendance
1	190538	1901320310024	ASHWANI KUMAR MANDAL	P
2	190416	1901320310033	GOPAL KUMAR	A
3	190151	1901320310039	JAYA BHATNAGAR	P
4	190346	1901320310053	MD. SHAMS ALAM	P
5	190515	1901320310074	SHAD ANSARI	P
6	190113	1901320310075	SHANU KUMAR	A
7	200551	2001320310001	ABHISHEK KUMAR	P
8	200381	2001320310002	ABHISHEK SINGH	P
9	200577	2001320310003	AKSHAT RAJ	P
10	200251	2001320310004	ANIMESH S DHINGAN	A
11	200686	2001320310005	ANKIT VERMA	P
12	200580	2001320310006	ANMOL MADAN	A
13	200456	2001320310007	ANSHUMAN	P
14	200570	2001320310008	ASIF HUSSAIN	P
15	200406	2001320310009	ATUL RATHAUR	P
16	200807	2001320310010	BEAUTY BALA	P
17	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	P
18	200186	2001320310012	BHASKAR BHARDWAJ	P
19	200127	2001320310013	BHASKAR BHATT	P
20	200568	2001320310014	CHANDAN KR ROY	A
21	200064	2001320310015	INDRADEV PRAMANIK	A
22	200558	2001320310017	KRITAGY SHRIVASTAVA	P
23	200597	2001320310018	MOHIT KUMAR	P
24	200619	2001320310019	NANDNI JHA	P
25	200504	2001320310020	NEERAJ KUMAR	A
26	200694	2001320310021	NISHCHAY AADARSH	A
27	200126	2001320310023	PULKIT TIWARI	A
28	200493	2001320310024	RAHUL KUMAR	P
29	200376	2001320310025	RAVI RAJ	P
30	200486	2001320310026	RISHAV DEO	P
31	200014	2001320310027	RITIK RAJ	P
32	200697	2001320310029	ROHIT SINGH	P
33	200044	2001320310031	SAZIA SHAFAK	A
34	200684	2001320310032	SHEIKH MAJID TARIQUE	P
35	200851	2001320310033	SHIVAM KUMAR	P
36	200478	2001320310034	SHUBHAM RANJAN	A
37	200599	2001320310035	SNEHA KUMARI	A
38	200653	2001320310037	SUYASH SANDILYA	P
39	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	P
40	200549	2001320310039	VINAY KUMAR THAKUR	P
41	2100430	2101320319001	DANISH AHMAD	P
42	2100536	2101320319003	MANISHA MISHRA	P
43	2100341	2101320319004	MD AMANULLAH	A
44	2100954	2101320319005	MOHD SAHIL	P
45	2100023	2101320319006	NIKHIL KHULBE	P
46	2100676	2101320319007	NIKHIL KUMAR	P
47	2100512	2101320319008	PRAKASH MISHRA	A
48	2100757	2101320319009	QARIB ANWER	P
49	2100955	2101320319010	SACHIN KUMAR	P
50	2100673	2101320319011	SANA RIYAZ LONE	P
51	2100807	2101320319012	SHAZEB ALAM	A
52	2100672	2101320319013	SHEIKH NAVREEN	P
53	2100170	2101320319014	SIDDHARTH MUDGAL	P



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/EVEN/Events/23

Date: 25 February 2022

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Industrial Visit to OMAC Automation** for the current semester, continuing the same practice you are all informed that **Industrial Visit to OMAC Automation** is being organized on 3 March 2022.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.





# GREATER NOIDA INSTITUTE OF TECHNOLOGY (ENGINEERING INSTITUTE) COLLEGE CODE-132

(Approved by AICTE & Affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow (Formerly UPTU))

## INDUSTRIAL VISIT

Deptt. of Electronics and Communications Engineering (ECE)

# OMAC AUTOMATION



## AUTOMATION

Delivering Excellence

#INDUSTRIALVISIT

📍 Sector-8, Noida



Thursday 03 March, 2022



📍 Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6869



# REPORT

## Industrial Visit To

“OMAC Automation”

03 MARCH 2022

*Organized by*



*Electronics and Communication Engineering Department*



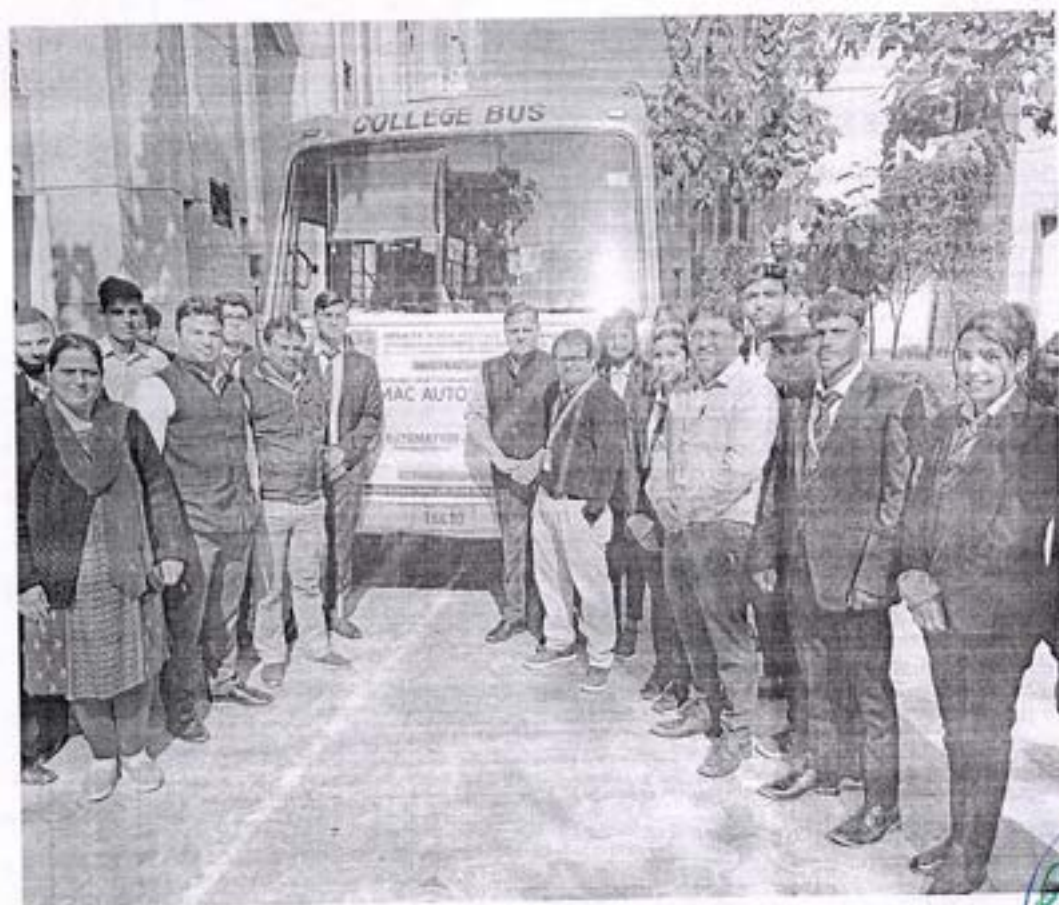
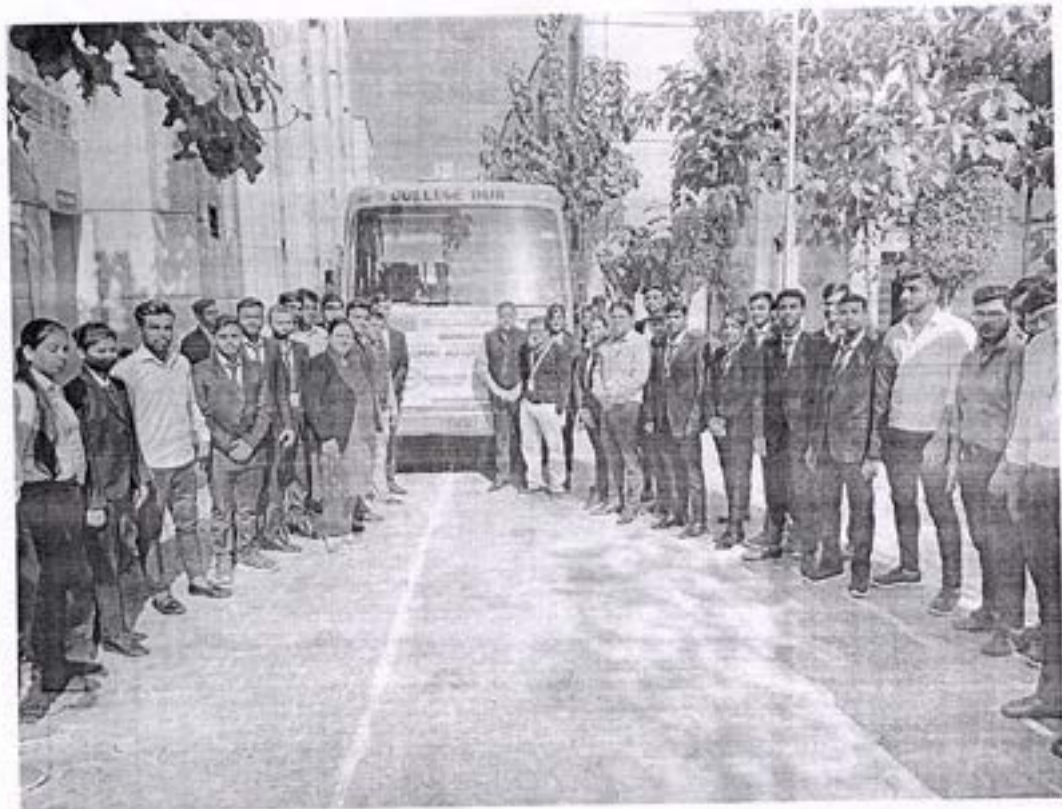
**REPORT:** One day industrial visit to OMAC Automation , sector-8, Noida was organized by Electronics & Communication Engineering Department , GNIOT 132 for their 3th semester students as a part of industrial visit activity. This visit was planned for making observations in the desired framework of study.

OMAC Automation provides the widest range of training programs like plant intelligence solutions, Industrial automation, PLCs, SCADA and many more. When students reached there, they diverged into groups and each group was guided by various faculties in their institute. They started with Programmable logic circuits (PLCs), then they briefed about the embedded system .Embedded system is a combination of computer Hardware & software, and plays a major role in ones day to day life.

Then there was an exhibition on automation projects. It helped the students to relate that how control system such as computer or robots and information technology can be used for handling processes without human supervision.

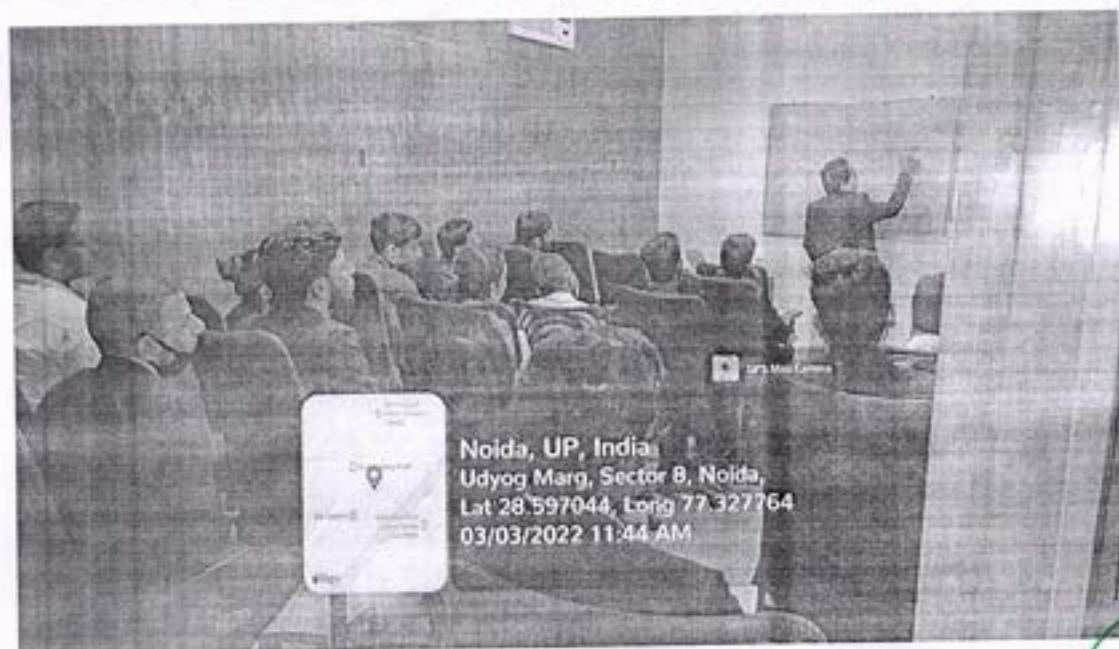
It was an informative, interesting and successful visit for all the students.





*[Handwritten Signature]*  
Director  
Greater Noida







**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	190515	1901320310074	SHAD ANSARI	P
2	200014	2001320310027	RITIK RAJ	P
3	200044	2001320310031	SAZIA SHAFAK	P
4	200055	2001320310036	SUNNY KUMAR	P
5	200064	2001320310015	INDRADEV PRAMANIK	A
6	200126	2001320310023	PULKIT TIWARI	A
7	200127	2001320310013	BHASKAR BHATT	A
8	200142	2001320310016	ISHAN SINGH	A
9	200186	2001320310012	BHASKAR BHARDWAJ	P
10	200251	2001320310004	ANIMESH S DHINGAN	A
11	200280	2001320310030	RUDRESH PRATAP SINGH	P
12	200376	2001320310025	RAVI RAJ	P
13	200381	2001320310002	ABHISHEK SINGH	P
14	200406	2001320310009	ATUL RATHAUR	P
15	200456	2001320310007	ANSHUMAN	P
16	200478	2001320310034	SHUBHAM RANJAN	P
17	200486	2001320310026	RISHAV DEO	P
18	200493	2001320310024	RAHUL KUMAR	P
19	200504	2001320310020	NEERAJ KUMAR	P
20	200549	2001320310039	VINAY KUMAR THAKUR	A
21	200551	2001320310001	ABHISHEK KUMAR	P
22	200558	2001320310017	KRITAGY SHRIVASTAVA	A
23	200568	2001320310014	CHANDAN KR ROY	A
24	200570	2001320310008	ASIF HUSSAIN	P
25	200577	2001320310003	AKSHAT RAJ	A
26	200580	2001320310006	ANMOL MADAN	P
27	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	P
28	200597	2001320310018	MOHIT KUMAR	P
29	200599	2001320310035	SNEHA KUMARI	P
30	200600	2001320310028	RITURAJ	P
31	200619	2001320310019	NANDNI JHA	P
32	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	A
33	200653	2001320310037	SUYASH SANDILYA	P
34	200684	2001320310032	SHEIKH MAJID TARIQUE	A
35	200686	2001320310005	ANKIT VERMA	P
36	200694	2001320310021	NISHCHAY AADARSH	P
37	200697	2001320310029	ROHIT SINGH	A
38	200807	2001320310010	BEAUTY BALA	P
39	200851	2001320310033	SHIVAM KUMAR	P
40	2100023	0	NIKHIL KHULBE	P
41	2100170	0	SIDDHARTH MUDGAL	P
42	2100341	0	MD AMANULLAH	A
43	2100430	0	DANISH AHMAD	A
44	2100512	0	PRAKASH MISHRA	P
45	2100536	0	KM MANISHA MISHRA	P
46	2100571	0	MANAS UPADHYAY	A
47	2100590	0	RITIKA SINGH	P
48	2100591	0	STUTI DUBEY	P
49	2100595	0	KALASH CHAUHAN	A
50	2100621	0	PAWAN CHAUKIYAL	A
51	2100672	0	SHEIKH NAVREEN	P
52	2100673	0	SANA RIYAZ LONE	A
53	2100676	0	NIKHIL KUMAR	P





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

Ref: - No. GNIOT/ECE/EVEN/Events/05 Date: 20.03.2022

**NOTICE**

This is to inform all the students that as per the academic calendar the department are organizing Expert Lecture for the current semester, continuing the same practice you all are informed that workshop is being organized on "FPGA Prototyping with Xilinx Tools" from 28<sup>th</sup> March 2022 to 1<sup>st</sup> April 2022.

The students are requested to Present in full strength and take the maximum benefits of the workshop.



*Expert Talk on*

**“Hardware design using Digital & HDL & implementation on FPGA”**

*28 march- 1 april, 2022*

*Organized by*



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of Education Initiative)



**Institution's Innovation Council**

**Greater Noida Institute of  
Technology (GNIOT)**

**(An Initiative of Ministry of Education, Govt. of India)  
Knowledge park-II, Greater Noida- 201308  
[www.gniot.net.in](http://www.gniot.net.in)**



**COURSE No. & TITLE:**

one week workshop on "FPGA Prototyping with Xilinx Tools"

**PARTICIPANTS:**

3<sup>rd</sup> Year Students of department, B.Tech ECE.

**OBJECTIVES:**

- To motivate the students for the research and designing innovative projects.
- To establish function ecosystem for scouting ideas and pre-incubation of ideas.
- To develop better cognitive ability among students.

Venue- 1<sup>st</sup> Floor Room no 147

Date: 28<sup>th</sup> March to 1 April 2022

Time: 1.30 PM Onwards

**Expert:**

Mr. Anil Kumar Rajput, Ph.D from ABV-Indian Institute of Information Technology and Management, Gwalior and M.Tech from NIT Rourkela.



# REPORT

**Event Name:** One week Workshop on FPGA Prototyping with Xilinx Tools

**Date:** 28.03.2022 - 01.04.2022

**Resource Person:** Mr. Anil Kumar Rajput

## **Summary Report**

Department of Electronics and Communication Engineering, Greater Noida Institute of Technology (GNIOT), organized one week workshop on "FPGA Prototyping with Xilinx Tools" for their 3rd year students, during 28.03.2022 - 01.04.2022. This workshop was intended to impart the knowledge of hardware implementation of digital circuits used in the industries. Focus of the workshop was to design the digital circuits and verify them on Xilinx Vivado tool. The hardware description language such as Verilog was used to design the digital circuits. Then, the output was verified in the software by running simulations. Further, the implemented code was dumped into FPGA kit (BASYS 3 FPGA board was used) and hardware implementation of the circuit was obtained. The Key speaker of the workshop was Mr. Anil Kumar Rajput, who is currently Pursuing his Ph.D from ABV-Indian Institute of Information Technology and Management, Gwalior. He has done his M.Tech from NIT Rourkela. His interest areas include Energy-aware VLSI architecture design, in-memory computation systems, network-on-chip and analog circuit design. The entire session was very Knowledgeable, very Interactive and Informative for both faculty and students.

The highlight of the workshop includes:

- Describing the general Artix-7 FPGA architecture.
- Understand the basic design flow on Xilinx Vivado.
- Design and verify HDL codes.
- Configure the BASYS 3 FPGA board to verify the hardware operation.
- Learned to check the design critical parameters such as no. of gates required, power dissipation, area utilized etc., using the reports provided by the tool.
- The information can be used later to improve the performance of the circuits.

The Outcomes of the workshop includes:

- Students learnt how to design the digital circuits using Xilinx Vivado tool.
- Get to know how to simulate, synthesize and implement the circuit on FPGA.
- How to evaluate the critical circuit design parameters.
- Got a hands on experience on FPGA Board.





TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS



Department of Electronics & Communication Engineering  
In association with GNIX Technical club

ORGANISING

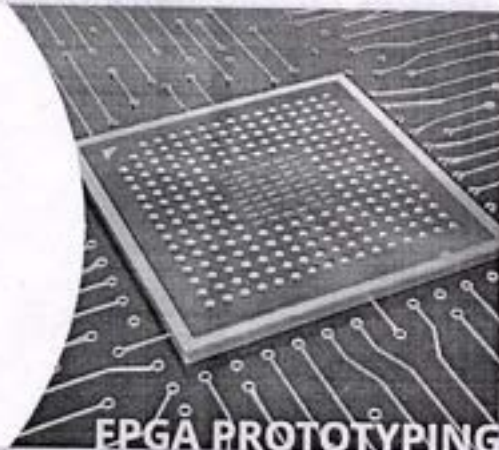
ONE WEEK WORKSHOP ON

## FPGA Prototyping with Xilinx Tools



Resource Person

Mr. Anil Kumar Rajput  
ABV IITM Gwalior, India



FPGA PROTOTYPING

#WORKSHOP



28th March, 2022  
01th April, 2022



01:30 PM  
05:00 PM

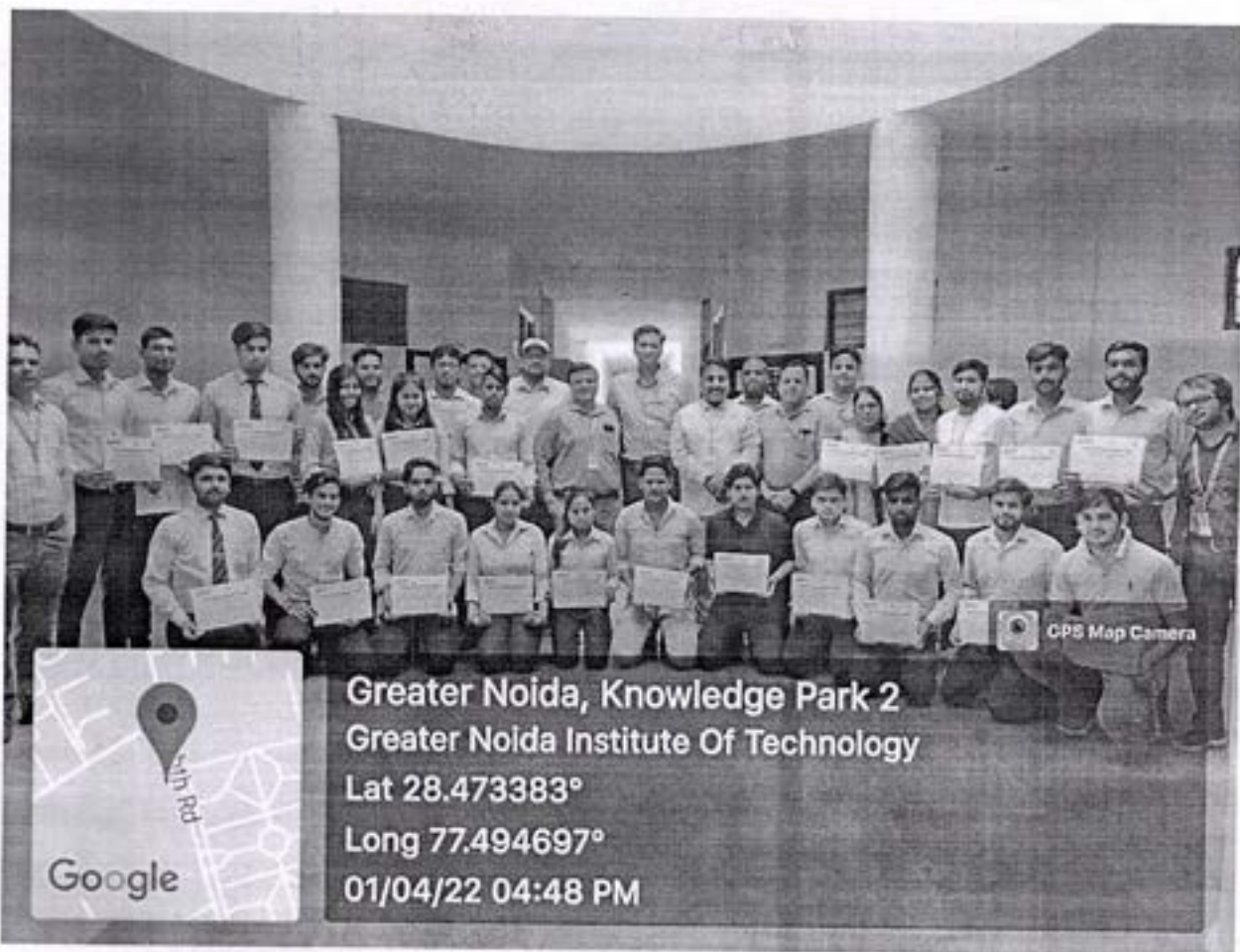
VENUE  
GNIOT 1<sup>st</sup> floor  
Room no 147



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201310 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969

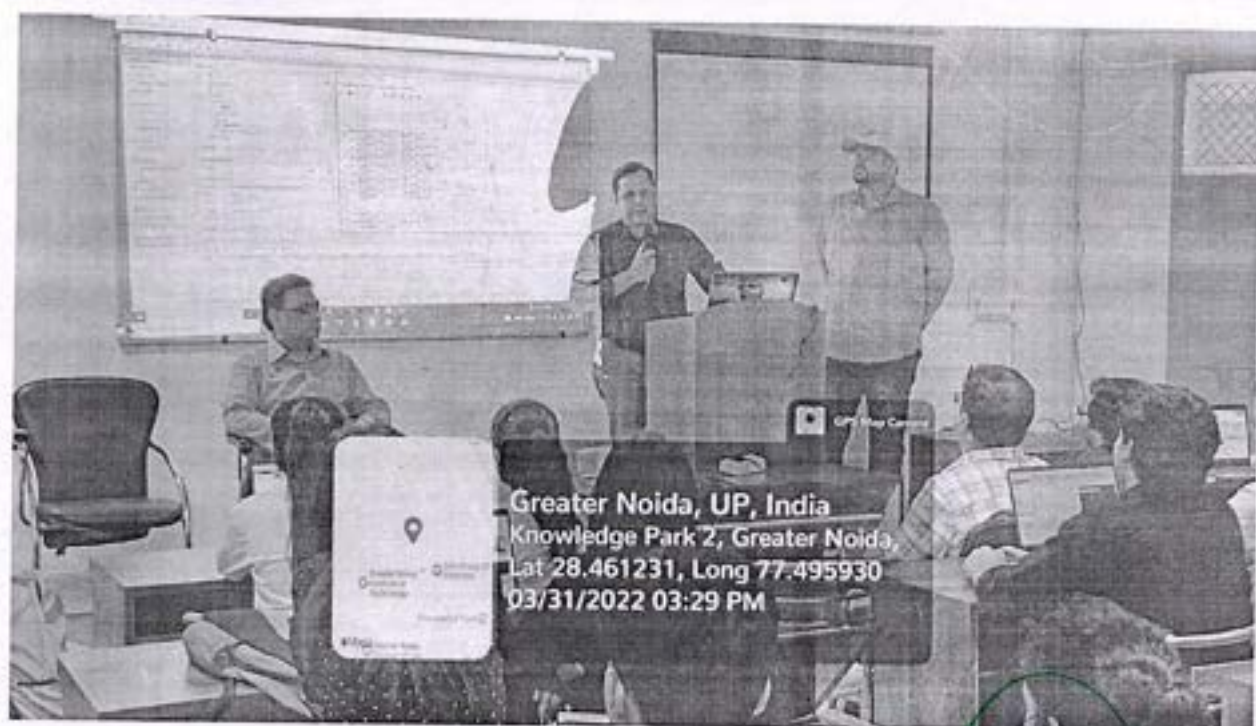


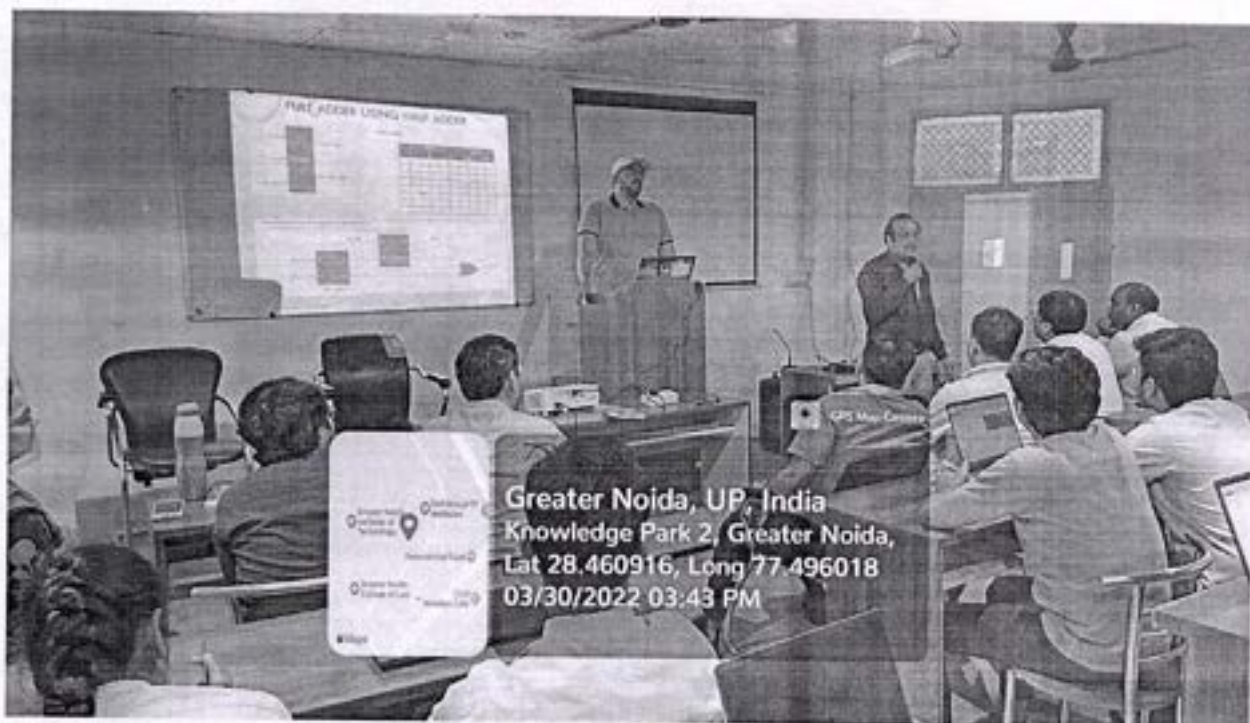






Greater Noida Institute of Technology  
Director  
Greater Noida





S.No.	AICTE Enrollment No	Student Name	Attendance
1	1901320310075	SHANU KUMAR	A
2	1901320310039	JAYA BHATNAGAR	P
3	1901320310053	MD. SHAMS ALAM	P
4	1901320310033	GOPAL KUMAR	P
5	1901320310074	SHAD ANSARI	P
6	1901320310024	ASHWANI KUMAR MANDAL	P
7	2001320310027	RITIK RAJ	A
8	2001320310031	SAZIA SHAFAK	P
9	2001320310015	INDRADEV PRAMANIK	P
10	2001320310023	PULKIT TIWARI	P
11	2001320310013	BHASKAR BHATT	P
12	2001320310012	BHASKAR BHARDWAJ	P
13	2001320310004	ANIMESH S DHINGAN	P
14	2001320310025	RAVI RAJ	P
15	2001320310002	ABHISHEK SINGH	P
16	2001320310009	ATUL RATHAUR	A
17	2001320310007	ANSHUMAN	P
18	2001320310034	SHUBHAM RANJAN	P
19	2001320310026	RISHAV DEO	P
20	2001320310024	RAHUL KUMAR	P
21	2001320310020	NEERAJ KUMAR	P
22	2001320310039	VINAY KUMAR THAKUR	P
23	2001320310001	ABHISHEK KUMAR	A
24	2001320310017	KRITAGY SHRIVASTAVA	P
25	2001320310014	CHANDAN KR ROY	P
26	2001320310008	ASIF HUSSAIN	P
27	2001320310003	AKSHAT RAJ	P
28	2001320310006	ANMOL MADAN	P
29	2001320310011	BHARAT BHUSHAN BHARDWAJ	P
30	2001320310018	MOHIT KUMAR	P
31	2001320310035	SNEHA KUMARI	A
32	2001320310019	NANDNI JHA	P
33	2001320310038	SYED FAYEQUE UDDIN YUSUF	P
34	2001320310037	SUYASH SANDILYA	P
35	2001320310032	SHEIKH MAJID TARIQUE	P
36	2001320310005	ANKIT VERMA	P
37	2001320310021	NISHCHAY AADARSH	P
38	2001320310029	ROHIT SINGH	A
39	2001320310010	BEAUTY BALA	A
40	2001320310033	SHIVAM KUMAR	P
41	2101320319006	NIKHIL KHULBE	P
42	2101320319014	SIDDHARTH MUDGAL	A
43	2101320319004	MD AMANULLAH	P
44	2101320319001	DANISH AHMAD	P
45	2101320319008	PRAKASH MISHRA	P
46	2101320319003	MANISHA MISHRA	A
47	2101320319013	SHEIKH NAVREEN	P
48	2101320319011	SANA RIYAZ LONE	P
49	2101320319007	NIKHIL KUMAR	P
50	2101320319009	QARIB ANWER	P
51	2101320319012	SHAZEB ALAM	A
52	2101320319005	MOHD SAHIL	P
53	2101320319010	SACHIN KUMAR	P





DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/EVEN/Events/24

Date: 21 April 2022

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Innovative Projects- Projects as a Product** for the current semester, continuing the same practice you are all informed that **Innovative Projects- Projects as a Product** is being organized on 29 April 2022.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.





# GNIOT-Institution's Innovation Council in collaboration with ECE & EE Department

ORGANIZES

A WORKSHOP ON

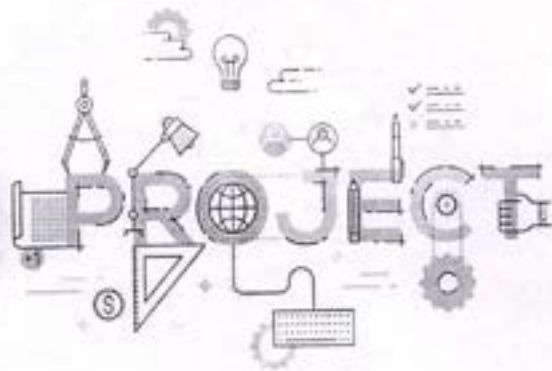
## Innovative Projects- Projects as a Product"



SPEAKER

Dr Anuranjan Mishra

Secretary Ambassador  
Ministry of Education Govt. of India



#WORKSHOP

29<sup>th</sup>, April  
Friday, 2022

03:30 PM  
Onwards

Seminar Hall  
GNIOT, Gr. Noida



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201310 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969



# REPORT

## WORKSHOP

*On*

**“Innovative Projects- Projects as a Product”**

29<sup>th</sup> APRIL 2022

*Organized by*



***GNIOT-Institution's Innovation Council in collaboration  
with ECE & EE department***

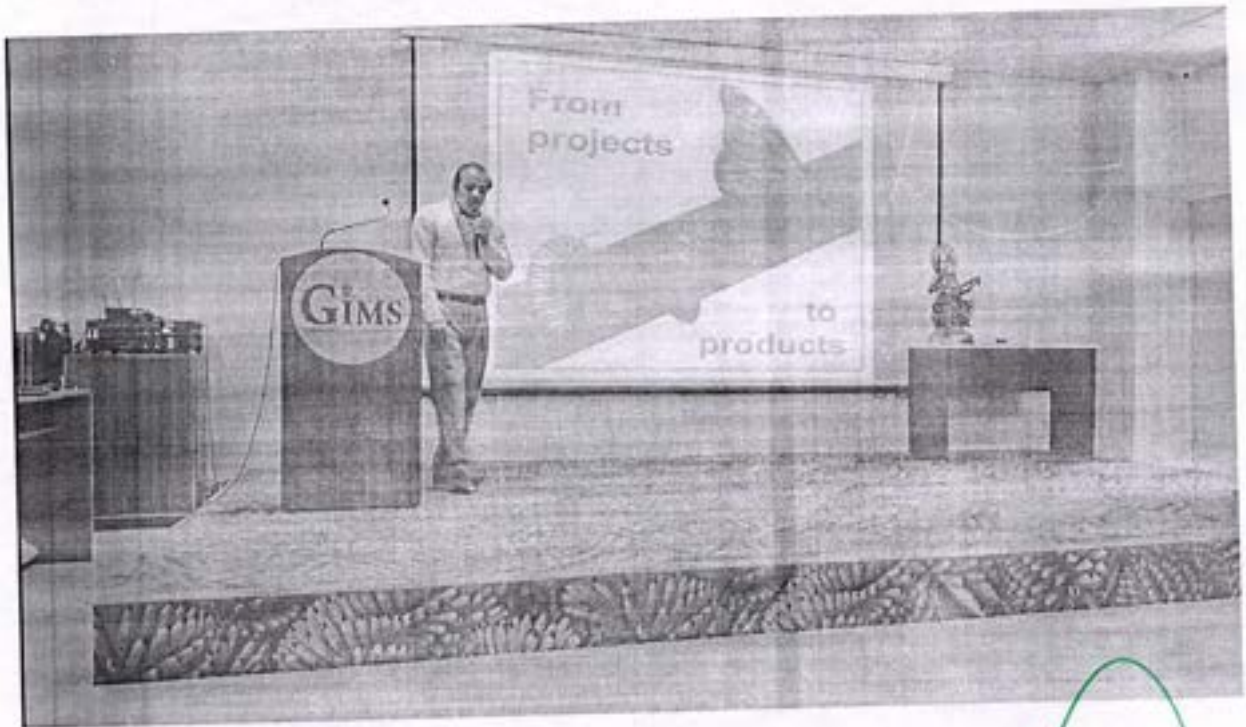


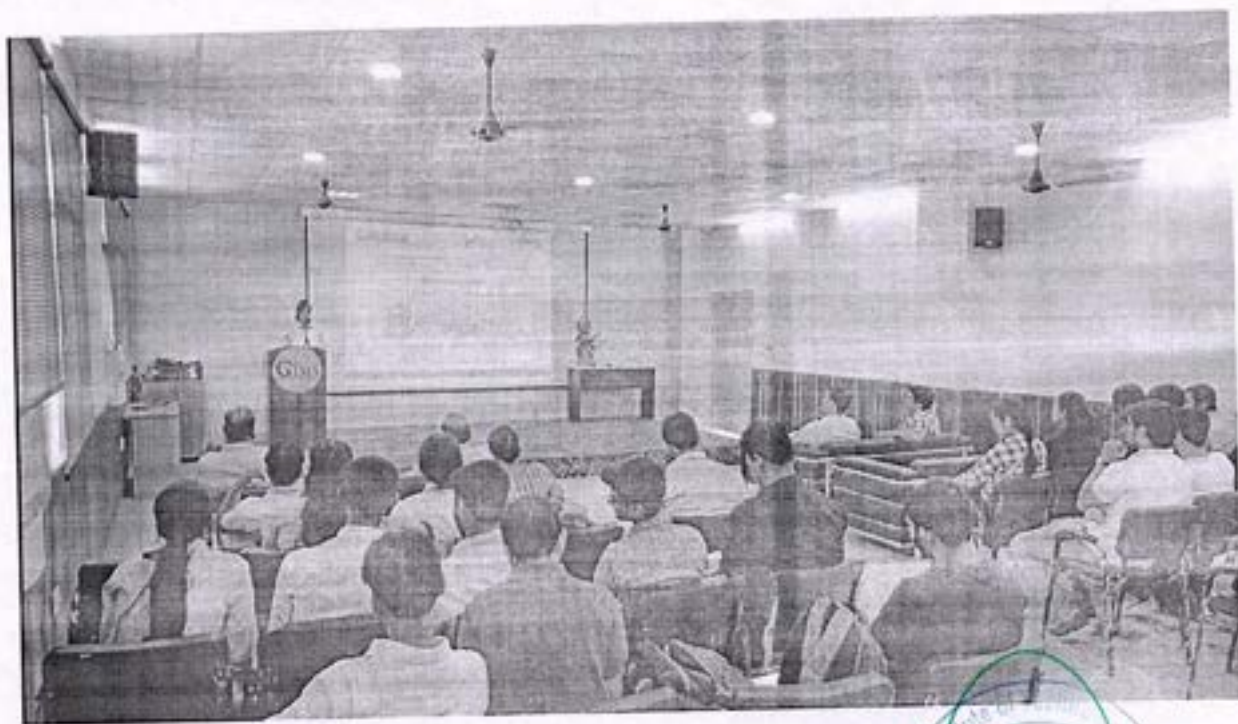


**REPORT:** GNIOT Institution's Innovation Council in collaboration with ECE & EE department had organized a workshop on "Innovative Projects- Projects as a Product" on 29.04.2022 at 3:30 PM under the guidance of our dynamic director Dr. Dhiraj Gupta. Workshop was started with the lighting of lamp in front of goddess Maa Saraswati by Dr. Anuranjan Misra, Dean(R&D), Dr. Vivek Gupta, Dr. Anil Dubey, Mr. Shiv Narain Gupta, Dr. Pooja Saxena and Mr. Harvinder Jindal of ECE department. "A project is temporary in that it has a defined beginning and end in time, and therefore defined scope and resources. And a project is unique in that it is not a routine operation, but a specific set of operations designed to accomplish a singular goal." "A product is a good, service, platform, application, system, etc., that is created, generally for sale, to meet customer and business needs. In retail and manufacturing, this may be taking materials and turning them into finished goods".

Speaker of the Event will be Dr. Anuranjan Misra, innovation Ambassador, Ministry of Education, Government of India. Dr. Misra told Students that Creating Project Plans to Focus Product Development is must. Students Projects Must be Industry centric so that they can be converted into Products.







**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A/P
1	180042	1813231030	SAKSHI PRIYA	P
2	180048	1813231026	RISHAV KUMAR	P
3	180075	1813231027	ROHIT KUMAR	P
4	180089	1813231017	MURARI KUMAR JHA	P
5	180128	1813231028	ROHIT KUMAR	P
6	180137	1813231035	SOURABH BAILWAL	P
7	180179	1813231040	TEJASHWI RAJ	P
8	180194	1813231010	HARSH SACHAN	A
9	180216	1813231004	ANSHU KUMAR	A
10	180223	1813231036	SUDHAKAR SINGH	P
11	180234	1813231032	SATYAM GIRI	P
12	180263	1813231011	ISHANI SINGH	P
13	180273	1813231008	DIMPLE GOLA	P
14	180278	1813231041	UJJWAL KUMAR	P
15	180284	1813231022	POONAM	P
16	180291	1813231042	UMANG SINGH	A
17	180311	1813231029	ROHIT RAI	A
18	180316	1813231044	UTKARSH YADAV	P
19	180318	1813231001	ABDUR RAHMAN	P
20	180346	1813231045	VANSHIKA CHAUDHARY	P
21	180361	1813231039	TANVEER ALAM	P
22	180374	1813231034	SHRUTI JHA	P
23	180379	1813231009	HARSH KUMAR SHRIVASTAVA	P
24	180380	1813231047	YAKSH CHEEMA	A
25	180384	1813231007	AZHARUDDIN KHAN	A
26	180408	1813231005	ARPIT KUMAR	P
27	180487	1813231014	MADHU KUSHWAH	P
28	180509	1813231046	VISHAL KUMAR SINGH	P
29	180525	1813231012	KARAN SINGH RAWAT	A
30	180556	1813231015	MD MASHHOOD RAZA SIDDIQUI	P
31	180558	1813231018	NIRAJ KUMAR SINGH	P
32	180569	1813231003	ANANVAY RAI	P
33	180580	1813231025	RAHUL SHARMA	P
34	180612	1813231043	UPENDRA YADAV	P
35	180613	1813231019	NITIN KUMAR	P
36	180614	1813231023	PRIYANK RAJ	P
37	180617	1813231002	ABHAY PANDEY	P
38	180657	1813231020	PARV SINGH	P
39	180659	1813231033	SHIV RAM TATHAGAT	A
40	180661	1813231904	SHIVAM KUMAR	P
41	180683	1813231031	SAMARTH SINGH	P
42	180690	1813231038	SURAJ YADAV	P
43	180693	1813231013	TANUJA TOMAR	P



Attendance Sheet

S.No.	Roll No	Student Name	A / P	S.No.	Roll No	Student Name	A / P
1	1813231006	ASHUTOSH PRATAP SINGH	P	43	1901320310037	HRITIK KESHRI	P
2	1901320310059	PRASHANT SHARMA	P	44	1901320310034	GOPAL BHARDWAJ	P
3	1901320310070	ROHIT MISHRA	P	45	1901320310031	GAURAV SINHA	P
4	1901320310041	KAMLESH KUMAR	A	46	1901320310004	ABHIMANYU KUSHWAHA	P
5	1901320310012	ANJALI PRIYA	P	47	1901320310071	ROHIT KUMAR	A
6	1901320310042	KARAN PANDEY	P	48	1901320310076	SHREYA SRIVASTAVA	A
7	1901320310006	ABHISHEK KUMAR	P	49	1901320310050	MD ASLAM ANSARI	P
8	1901320310044	KHUSHI KUMARI	P	50	1901320310077	SUMIT KUMAR	P
9	1901320310032	GINNI KUMARI	P	51	1901320310080	SWEETY KUMARI	P
10	1901320310075	SHANU KUMAR	P	52	1901320310035	GOPAL GUPTA	P
11	1901320310088	VISHWJEET SINGH	A	53	1901320310029	GANGA SAGAR CHAUDHARY	P
12	1901320310056	PARV SHARMA	A	54	1901320310024	ASHWANI KUMAR MANDAL	A
13	1901320310039	JAYA BHATNAGAR	A	55	1901320310086	VISHAL YADAV	A
14	1901320310007	ABHISHEK KUMAR	P	56	1901320310023	ASHUTOSH ANAND	P
15	1901320310051	MD.ISHA ALAM	P	57	1901320310069	RISHABH	P
16	1901320310061	PRATYUSH KUMAR DAS	P	58	1901320310026	BHAVESH KUMAR	P
17	1901320310062	PRATYUSH PANDEY	P	59	1901320310030	GAURAV HALDIYA	P
18	1901320310063	PRAVESH CHAUHAN	P	60	1901320310020	ARYAN GUPTA	P
19	1901320310065	PRIYANSHU	P	61	1901320310081	TUSHAR JHA	A
20	1901320310018	ANSHOO TIWARI	P	62	1901320310072	SAMEER ANSARI	A
21	1901320310084	VIJAY PRAKASH GUPTA	P	63	1901320130034	DEEPAK KUMAR SINGH	P
22	1901320310073	SASHANK RANJAN	A	64	1901320310038	JAIDYUMNA ARYA	P
23	1901320310064	PRINCE KUMAR	A	65	1901320310079	SWAYM SAPRA	P
24	1901320310011	ANJALI GUPTA	A	66	1901320310019	ANSHUL NAGAR	P
25	1901320310013	ANKIT KUMAR	P	67	1901320310001	AAYUSHI SINGH	P
26	1901320310048	MANISH MEENA	P	68	1901320310009	AMITESH SINGH	P
27	1901320310060	PRATEEK KUMAR MISHRA	P	69	1901320310016	ANNU PRIYA	A
28	1901320310058	PRAGYA PANDEY	P	70	1901320310055	PALLAVI KUMARI	A
29	1901320310046	MAMTA KUMARI	P	71	1901320310067	RAHUL GAUTAM	A
30	1901320310078	SUMIT KUMAR SINGH	P	72	1901320310043	KAUSHIK KUMAR ABHINAV KUMAR RANJAN	P
31	1901320310022	ASADULLAH	A	73	1901320310005		P
32	1901320310053	MD. SHAMS ALAM	A	74	1901320310015	ANMOL NIGAM	P
33	1901320310036	GULSHAN KUMAR JHA	P	75	1901320310085	VINAY KUMAR SINGH	P
34	1901320310017	ANSHIKA	P	76	2001320319004	RAJAT KUMAR	P
35	1901320310045	KRISHNA MURARI JHA	P	77	2001320319008	SHREYANSHI KANT	P
36	1901320310008	AMAN SRIVASTAVA	P	78	2001320319002	ANIL KUSHWAHA	P
37	1901320310057	PRABHAT KUMAR MISHRA	P	79	2001320319001	AAKASH	A
38	1901320310082	UJJWAL KUMAR	P	80	2001320319009	UJALA PRAJAPATI	P
39	1901320310040	JAYSHREE KUMARI	P	81	2001320319006	SEEMA	P
40	1901320310021	ARYAN SINGH	A	82	2001320319003	MOHD ANAS	A
41	1901320310033	GOPAL KUMAR	A	83	2001320319010	VIMAL CHOURASIA	P
42	1901320310002	ABDUL SAMAD	P	84	2001320319005	SANIYA TYAGI	P



**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A/P
1	190515	1901320310074	SHAD ANSARI	P
2	200014	2001320310027	RITIK RAJ	P
3	200044	2001320310031	SAZIA SHAFAK	P
4	200055	2001320310036	SUNNY KUMAR	P
5	200064	2001320310015	INDRADEV PRAMANIK	P
6	200126	2001320310023	PULKIT TIWARI	P
7	200127	2001320310013	BHASKAR BHATT	P
8	200142	2001320310016	ISHAN SINGH	A
9	200186	2001320310012	BHASKAR BHARDWAJ	P
10	200251	2001320310004	ANIMESH S DHINGAN	P
11	200280	2001320310030	RUDRESH PRATAP SINGH	P
12	200376	2001320310025	RAVI RAJ	A
13	200381	2001320310002	ABHISHEK SINGH	P
14	200406	2001320310009	ATUL RATHAUR	P
15	200456	2001320310007	ANSHUMAN	A
16	200478	2001320310034	SHUBHAM RANJAN	P
17	200486	2001320310026	RISHAV DEO	P
18	200493	2001320310024	RAHUL KUMAR	P
19	200504	2001320310020	NEERAJ KUMAR	P
20	200549	2001320310039	VINAY KUMAR THAKUR	A
21	200551	2001320310001	ABHISHEK KUMAR	P
22	200558	2001320310017	KRITAGY SHRIVASTAVA	P
23	200568	2001320310014	CHANDAN KR ROY	A
24	200570	2001320310008	ASIF HUSSAIN	P
25	200577	2001320310003	AKSHAT RAJ	P
26	200580	2001320310006	ANMOL MADAN	A
27	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	A
28	200597	2001320310018	MOHIT KUMAR	P
29	200599	2001320310035	SNEHA KUMARI	P
30	200600	2001320310028	RITURAJ	P
31	200619	2001320310019	NANDNI JHA	P
32	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	P
33	200653	2001320310037	SUYASH SANDILYA	A
34	200684	2001320310032	SHEIKH MAJID TARIQUE	P
35	200686	2001320310005	ANKIT VERMA	P
36	200694	2001320310021	NISHCHAY AADARSH	P
37	200697	2001320310029	ROHIT SINGH	P
38	200807	2001320310010	BEAUTY BALA	P
39	200851	2001320310033	SHIVAM KUMAR	P
40	2100023	0	NIKHIL KHULBE	A
41	2100170	0	SIDDHARTH MUDGAL	A
42	2100341	0	MD AMANULLAH	A
43	2100430	0	DANISH AHMAD	P
44	2100512	0	PRAKASH MISHRA	P
45	2100536	0	KM MANISHA MISHRA	P
46	2100571	0	MANAS UPADHYAY	P
47	2100590	0	RITIKA SINGH	P
48	2100591	0	STUTI DUBEY	P
49	2100595	0	KALASH CHAUHAN	P
50	2100621	0	PAWAN CHAUKIYAL	P
51	2100672	0	SHEIKH NAVREEN	P
52	2100673	0	SANA RIYAZ LONE	A
53	2100676	0	NIKHIL KUMAR	A





DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/EVEN/Events/06

Date: 02.05.2022

NOTICE

This is to inform all the students that as per the academic calendar the department are organizing Expert Lecture for the current semester, continuing the same practice you all are informed that expert lecture is being organized on "Demystifying Cloud Computing for industry" on 7<sup>th</sup> May 2022.

The students are requested to Present in full strength and take the maximum benefits of the expert lecture.



Dr. Mukesh Kumar Ojha





TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS



## ECE DEPARTMENT

ORGANISING

SESSION ON

*Demystifying Cloud Computing for industry*



Resource Person

**MR. VISHWAS NARAYAN**

AI software developer  
Azdev india lead, Bangalore

#ONLINESESSION

ONLINE  
PLATFORM

Google Meet



07, Saturday  
May, 2022



11:00 AM  
Onwards



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***Expert Talk on***

**“Demystifying Cloud Computing For Industry”**

***7May, 2022***

***Organized by***



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of Education Initiative)



**GNIOT**  
Group of Institutions  
Since 2011

**Institution's Innovation Council**

**Greater Noida Institute of  
Technology (GNIOT)**

**(An Initiative of Ministry of Education, Govt. of India)  
Knowledge park-II, Greater Noida- 201308  
[www.gniot.net.in](http://www.gniot.net.in)**



**COURSE No. & TITLE:**

Expert talk on Demystifying Cloud Computing for industry

**PARTICIPANTS:**

2<sup>nd</sup> and 3<sup>rd</sup> Year Students & Faculty members of departments, B.Tech ECE.

**OBJECTIVES:**

- To motivate the students for the research and designing innovative projects.
- To establish function ecosystem for scouting ideas and pre-incubation of ideas.
- To develop better cognitive ability among students.

Online Platform- Google meet

Date: 7<sup>th</sup> May 2022

Time: 11.00 AM Onwards

**Expert:**

Mr. Vishwas Narayan, working as AI software developer, slash software solutions, Bangalore.



# REPORT

**Event Name:** Demystifying Cloud Computing for industry

**Date:** 7<sup>th</sup> May, 2022

**Resource Person:** Mr. Vishwas Narayan

Department of ECE in association with \*Institution's innovations council (IIC) organized an expert talk on 'Demystifying Cloud Computing for industry' for all the faculty members and students on 7th may,2022 from 11:00 AM onwards on google meet. "Cloud computing is often far more secure than traditional computing, because companies like Google and Amazon can attract and retain cyber-security personnel of a higher quality than many governmental agencies."

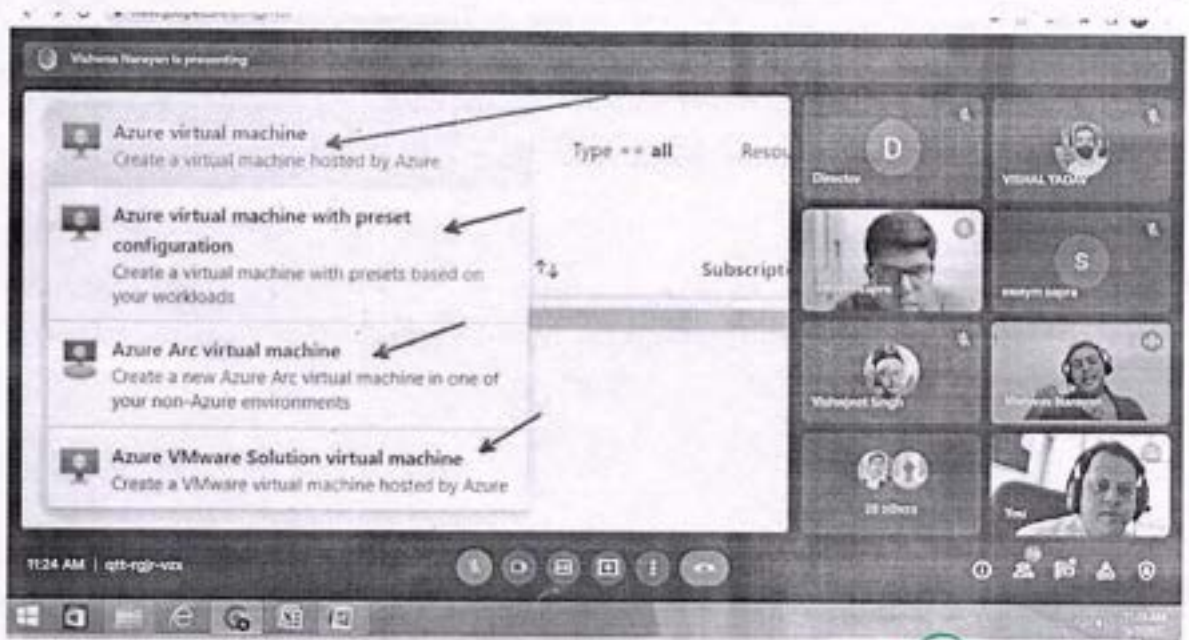
Mr. Vishwas Narayan, working as AI software developer, slashes softwaresolutions, Bangalore. He has also been a speaker for community meetups and computer architecture club, Google crowd source, the pie and AI Bangalore chapter, IEEE, and many more. Around 100 students of 2nd and 3<sup>rd</sup> year and final year (B.Tech ECE) participated in the event, which also created a tech environment in the department.

At first, . Dr Anuran an Mishra , Dean Incubation Centre , Innovation Ambassador , MoE . Govt. of India , interacted with the students and highlighted the importance of IIC. Afterwards, Mr. Vishwas Narayan delivered a presentation on "Demystifying Cloud Computing for industry" where cloud computing and its future scope with the grand details of Azure VM, then he mentioned about the container instance of EC2, and highlighted about web application. Then he informed us about the static web app. Then at last he discussed about the kubernetes service tool in brief with the help of staircase account. He then gave time to students to ask their queries if any about the session and mentioned how to deal in cloud computing.

It was an excellent event and everyone secured good amount of knowledge about cloud computing.







## ECE-3RD

				DATE:
S.No.	I.D. No.	AICTE Enrollment No	Student Name	Attendance
1	180327	1813231006	ASHUTOSH PRATAP SINGH	P
2	190640	1901320130034	DEEPAK KUMAR SINGH	P
3	190662	1901320310001	AAYUSHI SINGH	A
4	190420	1901320310002	ABDUL SAMAD	P
5	190477	1901320310004	ABHIMANYU KUSHWAHA	P
6	190761	1901320310005	ABHINAV KUMAR RANJAN	A
7	190157	1901320310007	ABHISHEK KUMAR	A
8	190689	1901320310009	AMITESH SINGH	P
9	190244	1901320310011	ANJALI GUPTA	P
10	190042	1901320310012	ANJALI PRIYA	P
11	190257	1901320310013	ANKIT KUMAR	P
12	190762	1901320310015	ANMOL NIGAM	A
13	190699	1901320310016	ANNU PRIYA	P
14	190354	1901320310017	ANSHIKA	A
15	190225	1901320310018	ANSHOO TIWARI	P
16	190649	1901320310019	ANSHUL NAGAR	A
17	190594	1901320310020	ARYAN GUPTA	P
18	190411	1901320310021	ARYAN SINGH	P
19	190345	1901320310022	ASADULLAH	D
20	190553	1901320310023	ASHUTOSH ANAND	D
21	190555	1901320310026	BHAVESH KUMAR	A
22	190533	1901320310029	GANGA SAGAR CHAUDHARY	P
23	190588	1901320310030	GAURAV HALDIYA	A
24	190475	1901320310031	GAURAV SINHA	P
25	190096	1901320310032	GINNI KUMARI	P
26	190465	1901320310034	GOPAL BHARDWAJ	P
27	190529	1901320310035	GOPAL GUPTA	P
28	190352	1901320310036	GULSHAN KUMAR JHA	P
29	190462	1901320310037	HRITIK KESHRI	A
30	190644	1901320310038	JAIDYUMNA ARYA	A
31	190402	1901320310040	JAYSHREE KUMARI	P
32	190038	1901320310041	KAMLESH KUMAR	P
33	190058	1901320310042	KARAN PANDEY	A
34	190095	1901320310044	KHUSHI KUMARI	P
35	190355	1901320310045	KRISHNA MURARI JHA	P
36	190314	1901320310046	MAMTA KUMARI	P
37	190305	1901320310048	MANISH MEENA	P
38	190506	1901320310050	MD ASLAM ANSARI	A
39	190159	1901320310051	MD. ISHA ALAM	A
40	190700	1901320310055	PALLAVI KUMARI	P
41	190146	1901320310056	PARV SHARMA	P
42	190387	1901320310057	PRABHAT KUMAR MISHRA	P
43	190313	1901320310058	PRAGYA PANDEY	A
44	190312	1901320310060	PRATEEK KUMAR MISHRA	P
45	190170	1901320310061	PRATYUSH KUMAR DAS	P
46	190190	1901320310062	PRATYUSH PANDEY	P
47	190194	1901320310063	PRAVESH CHAUHAN	A

## ECE-3RD

				DATE:
S.No.	I.D. No.	AICTE Enrollment No	Student Name	Attendance
48	190240	1901320310064	PRINCE KUMAR	A
49	190201	1901320310065	PRIYANSHU	P
50	190704	1901320310067	RAHUL GAUTAM	P
51	190554	1901320310069	RISHABH	P
52	190028	1901320310070	ROHIT MISHRA	P
53	190498	1901320310071	ROHIT KUMAR	P
54	190638	1901320310072	SAMEER ANSARI	A
55	190238	1901320310073	SASHANK RANJAN	A
56	190500	1901320310076	SHREYA SRIVASTAVA	P
57	190507	1901320310077	SUMIT KUMAR	P
58	190334	1901320310078	SUMIT KUMAR SINGH	P
59	190648	1901320310079	SWAYM SAPRA	A
60	190513	1901320310080	SWEETY KUMARI	P
61	190633	1901320310081	TUSHAR JHA	P
62	190400	1901320310082	UJJWAL KUMAR	P
63	190226	1901320310084	VIJAY PRAKASH GUPTA	A
64	190788	1901320310085	VINAY KUMAR SINGH	P
65	190539	1901320310086	VISHAL YADAV	P
66	190136	1901320310088	VISHWJEET SINGH	A
67	200831	2001320319001	AAKASH	P
68	200765	2001320319002	ANIL KUSHWAHA	P
69	200872	2001320319005	SANIYA TYAGI	P
70	200854	2001320319006	SEEMA	A
71	200474	2001320319008	SHREYANSHI KANT	P
72	200853	2001320319009	UJALA PRAJAPATI	A



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref: - No. GNIOT/ECE/EVEN/Events/23

Date: 21 May 2022

NOTICE

This is to inform the students that as per the academic calendar the department are organizing **Intellectual Property Rights & IP Management for a start-up** for the current semester, continuing the same practice you are all informed that **Intellectual Property Rights & IP Management for a start-up** is being organized on 25 May 2022.

The students are requested to Present in full strength and take the maximum benefits of the Webinar.





## ECE & EE DEPARTMENT

In association with

GNIOT -IIC (An Initiative of Ministry of Education Govt of INDIA)

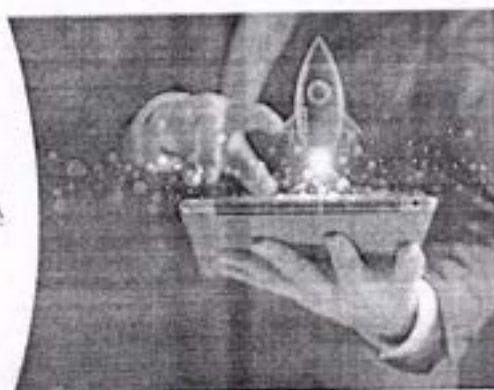
ORGANISING

EXPERT TALK ON

# Intellectual Property Rights (IPRs) and IP management for a Start-up.



**Dr. M.S. Sivagama Sundari**  
IPR Cell In-Charge  
Associate Professor  
& Head, Department of Electrical and  
Electronics Engineering



**(Prof.) Dr. Dhiraj Gupta**  
Director



**Dr. Anuranjan Mishra**  
Dean (R&D)



**Dr. Mukesh Ojha**  
HOD (ECE)



**Prof. Nikhil Kumar**  
HOD (EE)

#ExpertTalk



25<sup>th</sup>, Wednesday  
May, 2022



03:00 PM  
04:00 PM

Online Platform



Google Meet



# REPORT

## EXPERT TALK

on

“Intellectual Property Rights & IP Management for a start-up”

25 MAY 2022

*Organized by*



*Electronics and Communication Engineering Department*



**REPORT:** Department of Electronics & communication Engineering and Electrical Engineering in association with GNIOT Institution Innovation council is organized an expert Talk on "Intellectual Property Rights & IP Management for a start-up on 25.05.22 under the guidance of visionary Director Prof. (Dr.) Dhiraj Gupta. The expert of talk was Dr. M. S. Siwagama sundsundari, incharge of I. P. Cell & Head of Electrical & Electronics Engineering, Amrita college of Engineering and Technology, Nagarcoil, Tamilnadu. The session started with the welcome note given by Dr. Anuranjan Mishra, Dean (R&D), GNIOT. The expert of the session Dr. M. S. Sundari had presented all the core areas of IP practice including trademark and passing off, copyright, design and patents. At the end, Dr. Mukesh Ojha, HOD ECE presented the vote of Thanks. The entire session was very informative, interactive & knowledgeable for entire Participants. More than 100 students from ECE & EE were participated in the session.



meet.google.com/...  
Divyanshu Sankar is presenting

## IP Management for Startup

- Every startup has IP Rights, which it needs to understand and protect for excelling in its business.
- Every startup uses trade name, brand, logo, advertisements, inventions, designs, products, or a website, in which it possesses valuable IP Rights.
- While starting any venture, the startup also needs to confirm that it is not in violation of the IP Rights of any other person to save itself from unwarranted litigation or legal action which can thwart its business activities.

3:50 PM | kcc-note-twe

meet.google.com/...  
Divyanshu Sankar is presenting

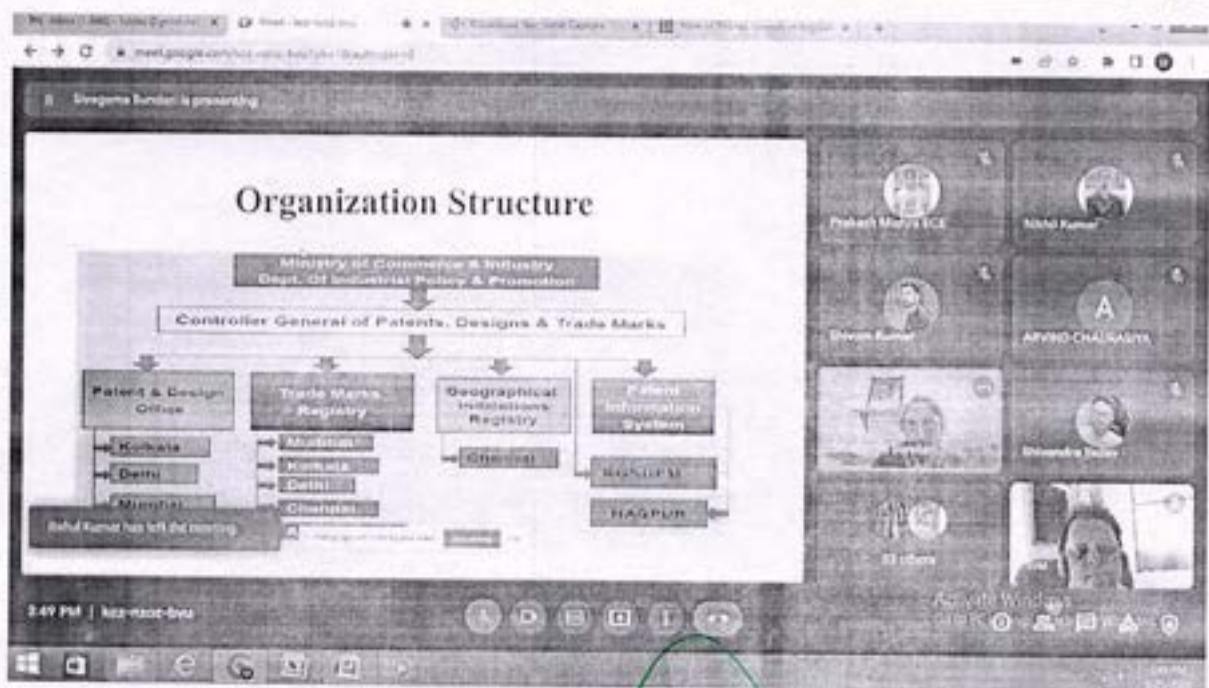
## Intellectual Property Rights(IPRs)

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graph TD
    PROPERTY[PROPERTY] --> Tangible[Tangible]
    PROPERTY --> Intangible[Intangible]
    Tangible --> Movable[Movable  
e.g., Car]
    Tangible --> Immovable[Immovable  
e.g., Building]
    Intangible --> IntellectualProperty[Intellectual Property]
    IntellectualProperty --> IndustrialPropertyRelated[Industrial Property Related]
    IntellectualProperty --> CopyrightRelated[Copyright Related]
    IndustrialPropertyRelated --> Patents[Patents, Trademarks, Trade Dressing, GeDs]
  
```

3:05 PM | kcc-note-twe





**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	180042	1813231030	SAKSHI PRIYA	P
2	180048	1813231026	RISHAV KUMAR	P
3	180075	1813231027	ROHIT KUMAR	P
4	180089	1813231017	MURARI KUMAR JHA	P
5	180128	1813231028	ROHIT KUMAR	P
6	180137	1813231035	SOURABH BAILWAL	P
7	180179	1813231040	TEJASHWI RAJ	A
8	180194	1813231010	HARSH SACHAN	A
9	180216	1813231004	ANSHU KUMAR	A
10	180223	1813231036	SUDHAKAR SINGH	P
11	180234	1813231032	SATYAM GIRI	A
12	180263	1813231011	ISHANI SINGH	A
13	180273	1813231008	DIMPLE GOLA	P
14	180278	1813231041	UJJWAL KUMAR	P
15	180284	1813231022	POONAM	P
16	180291	1813231042	UMANG SINGH	A
17	180311	1813231029	ROHIT RAI	P
18	180316	1813231044	UTKARSH YADAV	P
19	180318	1813231001	ABDUR RAHMAN	P
20	180346	1813231045	VANSHIKA CHAUDHARY	P
21	180361	1813231039	TANVEER ALAM	P
22	180374	1813231034	SHRUTI JHA	A
23	180379	1813231009	HARSH KUMAR SHRIVASTAVA	P
24	180380	1813231047	YAKSH CHEEMA	P
25	180384	1813231007	AZHARUDDIN KHAN	P
26	180408	1813231005	ARPIT KUMAR	P
27	180487	1813231014	MADHU KUSHWAH	A
28	180509	1813231046	VISHAL KUMAR SINGH	P
29	180525	1813231012	KARAN SINGH RAWAT	P
30	180556	1813231015	MD MASHHOOD RAZA SIDDIQUI	P
31	180558	1813231018	NIRAJ KUMAR SINGH	P
32	180569	1813231003	ANANVAY RAI	P
33	180580	1813231025	RAHUL SHARMA	A
34	180612	1813231043	UPENDRA YADAV	P
35	180613	1813231019	NITIN KUMAR	P
36	180614	1813231023	PRIYANK RAJ	A
37	180617	1813231002	ABHAY PANDEY	P
38	180657	1813231020	PARV SINGH	P
39	180659	1813231033	SHIV RAM TATHAGAT	P
40	180661	1813231904	SHIVAM KUMAR	P
41	180683	1813231031	SAMARTH SINGH	A
42	180690	1813231038	SURAJ YADAV	A
43	180693	1813231013	TANUJA TOMAR	A



Attendance Sheet

S.No.	Roll No	Student Name	A / P	S.No.	Roll No	Student Name	A / P
1	1813231006	ASHUTOSH PRATAP SINGH	P	43	1901320310037	HRITIK KESHRI	P
2	1901320310059	PRASHANT SHARMA	P	44	1901320310034	GOPAL BHARDWAJ	A
3	1901320310070	ROHIT MISHRA	P	45	1901320310031	GAURAV SINHA	P
4	1901320310041	KAMLESH KUMAR	P	46	1901320310004	ABHIMANYU KUSHWAHA	A
5	1901320310012	ANJALI PRIYA	P	47	1901320310071	ROHIT KUMAR	P
6	1901320310042	KARAN PANDEY	P	48	1901320310076	SHREYA SRIVASTAVA	A
7	1901320310006	ABHISHEK KUMAR	P	49	1901320310050	MD ASLAM ANSARI	P
8	1901320310044	KHUSHI KUMARI	A	50	1901320310077	SUMIT KUMAR	P
9	1901320310032	GINNI KUMARI	A	51	1901320310080	SWEETY KUMARI	P
10	1901320310075	SHANU KUMAR	A	52	1901320310035	GOPAL GUPTA	A
11	1901320310088	VISHWJEET SINGH	P	53	1901320310029	GANGA SAGAR CHAUDHARY	P
12	1901320310056	PARV SHARMA	P	54	1901320310024	ASHWANI KUMAR MANDAL	P
13	1901320310039	JAYA BHATNAGAR	P	55	1901320310086	VISHAL YADAV	P
14	1901320310007	ABHISHEK KUMAR	A	56	1901320310023	ASHUTOSH ANAND	P
15	1901320310051	MD.ISHA ALAM	P	57	1901320310069	RISHABH	P
16	1901320310061	PRATYUSH KUMAR DAS	P	58	1901320310026	BHAVESH KUMAR	P
17	1901320310062	PRATYUSH PANDEY	A	59	1901320310030	GAURAV HALDIYA	P
18	1901320310063	PRAVESH CHAUHAN	P	60	1901320310020	ARYAN GUPTA	P
19	1901320310065	PRIYANSHU	P	61	1901320310081	TUSHAR JHA	A
20	1901320310018	ANSHOO TIWARI	A	62	1901320310072	SAMEER ANSARI	A
21	1901320310084	VIJAY PRAKASH GUPTA	P	63	1901320310034	DEEPAK KUMAR SINGH	A
22	1901320310073	SASHANK RANJAN	P	64	1901320310038	JAIDYUMNA ARYA	P
23	1901320310064	PRINCE KUMAR	P	65	1901320310079	SWAYM SAPRA	P
24	1901320310011	ANJALI GUPTA	P	66	1901320310019	ANSHUL NAGAR	P
25	1901320310013	ANKIT KUMAR	P	67	1901320310001	AAYUSHI SINGH	P
26	1901320310048	MANISH MEENA	P	68	1901320310009	AMITESH SINGH	P
27	1901320310060	PRATEEK KUMAR MISHRA	A	69	1901320310016	ANNU PRIYA	R
28	1901320310058	PRAGYA PANDEY	P	70	1901320310055	PALLAVI KUMARI	P
29	1901320310046	MAMTA KUMARI	A	71	1901320310067	RAHUL GAUTAM	P
30	1901320310078	SUMIT KUMAR SINGH	P	72	1901320310043	KAUSHIK KUMAR ABHINAV KUMAR RANJAN	P
31	1901320310022	ASADULLAH	A	73	1901320310005	ANMOL NIGAM	P
32	1901320310053	MD. SHAMS ALAM	P	74	1901320310015	ANMOL NIGAM	P
33	1901320310036	GULSHAN KUMAR JHA	P	75	1901320310085	VINAY KUMAR SINGH	A
34	1901320310017	ANSHIKA	P	76	2001320319004	RAJAT KUMAR	P
35	1901320310045	KRISHNA MURARI JHA	P	77	2001320319008	SHREYANSHI KANT	P
36	1901320310008	AMAN SRIVASTAVA	P	78	2001320319002	ANIL KUSHWAHA	P
37	1901320310057	PRABHAT KUMAR MISHRA	P	79	2001320319001	AAKASH	A
38	1901320310082	UJJWAL KUMAR	P	80	2001320319009	UJALA PRAJAPATI	P
39	1901320310040	JAYSHREE KUMARI	A	81	2001320319006	SEEMA	P
40	1901320310021	ARYAN SINGH	P	82	2001320319003	MOHD ANAS	P
41	1901320310033	GOPAL KUMAR	P	83	2001320319010	VIMAL CHOURASIA	P
42	1901320310002	ABDUL SAMAD	P	84	2001320319005	SANIYA TYAGI	P



**Attendance Sheet**

S.No.	I.D. No.	AICTE Enrollment No	Student Name	A / P
1	190515	1901320310074	SHAD ANSARI	P
2	200014	2001320310027	RITIK RAJ	P
3	200044	2001320310031	SAZIA SHAFAK	P
4	200055	2001320310036	SUNNY KUMAR	A
5	200064	2001320310015	INDRADEV PRAMANIK	P
6	200126	2001320310023	PULKIT TIWARI	P
7	200127	2001320310013	BHASKAR BHATT	P
8	200142	2001320310016	ISHAN SINGH	A
9	200186	2001320310012	BHASKAR BHARDWAJ	P
10	200251	2001320310004	ANIMESH S DHINGAN	P
11	200280	2001320310030	RUDRESH PRATAP SINGH	P
12	200376	2001320310025	RAVI RAJ	P
13	200381	2001320310002	ABHISHEK SINGH	P
14	200406	2001320310009	ATUL RATHAUR	A
15	200456	2001320310007	ANSHUMAN	P
16	200478	2001320310034	SHUBHAM RANJAN	P
17	200486	2001320310026	RISHAV DEO	P
18	200493	2001320310024	RAHUL KUMAR	A
19	200504	2001320310020	NEERAJ KUMAR	P
20	200549	2001320310039	VINAY KUMAR THAKUR	A
21	200551	2001320310001	ABHISHEK KUMAR	P
22	200558	2001320310017	KRITAGY SHRIVASTAVA	P
23	200568	2001320310014	CHANDAN KR ROY	P
24	200570	2001320310008	ASIF HUSSAIN	P
25	200577	2001320310003	AKSHAT RAJ	P
26	200580	2001320310006	ANMOL MADAN	P
27	200591	2001320310011	BHARAT BHUSHAN BHARDWAJ	A
28	200597	2001320310018	MOHIT KUMAR	P
29	200599	2001320310035	SNEHA KUMARI	P
30	200600	2001320310028	RITURAJ	P
31	200619	2001320310019	NANDNI JHA	P
32	200625	2001320310038	SYED FAYEQUE UDDIN YUSUF	A
33	200653	2001320310037	SUYASH SANDILYA	P
34	200684	2001320310032	SHEIKH MAJID TARIQUE	P
35	200686	2001320310005	ANKIT VERMA	P
36	200694	2001320310021	NISHCHAY AADARSH	A
37	200697	2001320310029	ROHIT SINGH	A
38	200807	2001320310010	BEAUTY BALA	P
39	200851	2001320310033	SHIVAM KUMAR	P
40	2100023	0	NIKHIL KHULBE	P
41	2100170	0	SIDDHARTH MUDGAL	A
42	2100341	0	MD AMANULLAH	P
43	2100430	0	DANISH AHMAD	P
44	2100512	0	PRAKASH MISHRA	P
45	2100536	0	KM MANISHA MISHRA	P
46	2100571	0	MANAS UPADHYAY	A
47	2100590	0	RITIKA SINGH	P
48	2100591	0	STUTI DUBEY	P
49	2100595	0	KALASH CHAUHAN	P
50	2100621	0	PAWAN CHAUKIYAL	A
51	2100672	0	SHEIKH NAVREEN	A
52	2100673	0	SANA RIYAZ LONE	A
53	2100676	0	NIKHIL KUMAR	P





**DEPARTMENT OF INFORMATION TECHNOLOGY**

Ref: - No. GNIOT/IT/odd /Events/01

Date: 09.12.2021

**NOTICE**

This is to inform the students that as per the academic calendar the department is organizing the Workshop for the current semester, continuing the same practice you are all informed that an Workshop is being organized, "Machine Learning and Artificial Intelligence". is scheduled on 13-12-2021 10:00AM to 3:00PM.

The students are requested to present in full strength and take the maximum benefit of the Workshop.



Dr. Ramveer Singh  
HOD, IT

*Workshop on*

**"MACHINE LEARNING AND AI"**

**13 DECEMBER 2021  
(10:00 AM to 11:30 AM)**

*Organized by*



**INSTITUTION'S  
INNOVATION  
COUNCIL**



**GNIOT**  
Greater Noida Institute of Technology  
Established in 2011

**Institution's Innovation Council**

**Greater Noida Institute of  
Technology (GNIOT)**

**(An Initiative of Ministry of Education, Govt. of India)  
Knowledge park-II, Greater Noida- 201308  
[www.gniot.net.in](http://www.gniot.net.in)**



## DEPARTMENT OF INFORMATION TECHNOLOGY ACTIVITY REPORT

**Name of Event:**-- Workshop on "Machine Learning and Artificial Intelligence".

**Date and Time of Event:**- 13/12/2021 from 10:00AM to 3:00PM

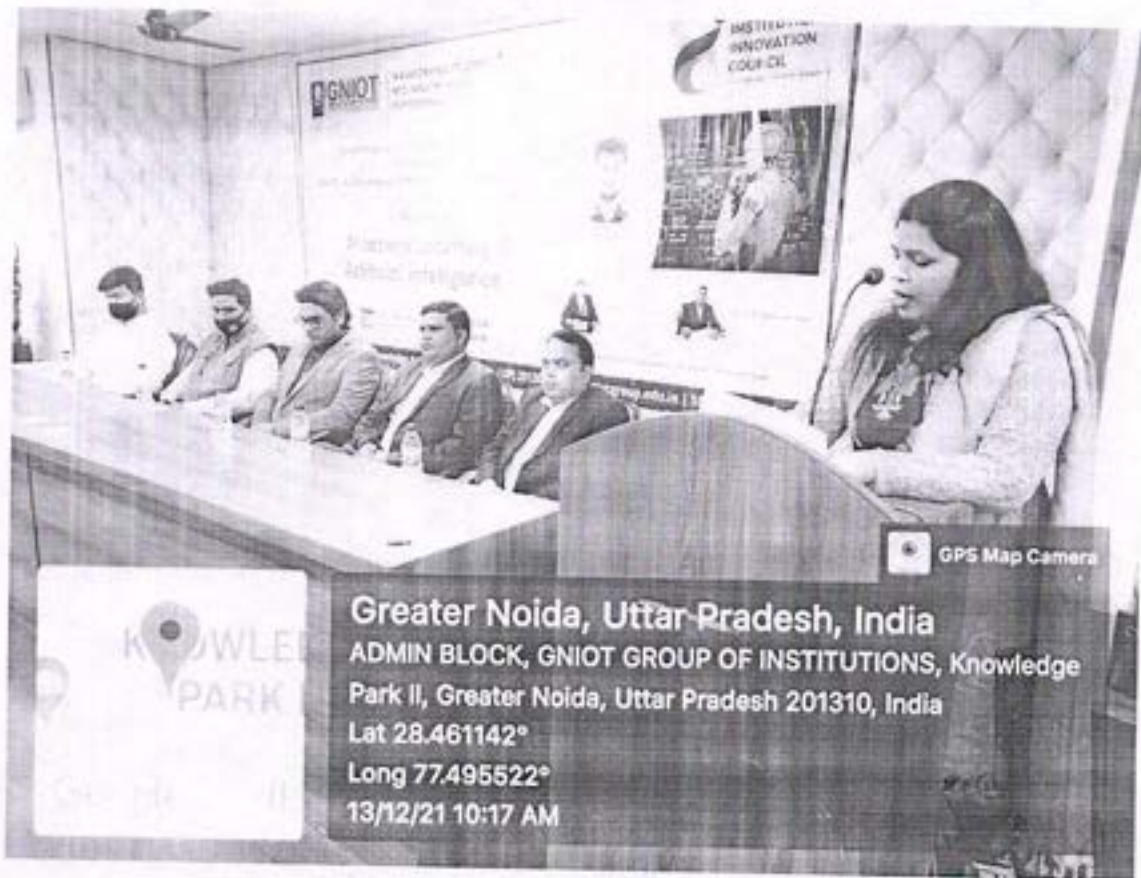
Artificial Intelligence (AI), Data Science (DS), and Machine Learning (ML) are the pillars of the **Fourth Industrial Revolution**, or what is commonly known as **Industry 4.0**. AI is a branch of Computer Science that deals with the ability of a machine to closely imitate intelligent human behavior. ML is an application of AI that is based on the idea that when machines are provided new data, they can learn, grow, and develop on their own without explicit human intervention/programming.

Today, the importance of AI-ML is being felt in almost every domain. Therein arises the need for students to be AI-ML proficient.

**Department of Information Technology (IT) Technical club "The Rising Corner (TRC)"** organized one day Workshop on **Machine Learning and Artificial Intelligence, on 13/12/2021 from 10:00AM to 3:00PM** in the Seminar Hall (Ground Floor). The main goal of this workshop was to motivate and nourish best practices about AI-ML to our students. Head of Department Dr. Ramveer Singh welcomed the guest and inaugurated the workshop by lighting the lamp. Our guest **Mr. Prem kumar Bharti (Data Scientist at Badatya pvt ltd)** had planned the workshop in such a way so as to ensure there was a judicious mix of theoretical knowledge and hands-on training. He proceeded with the Difference between AI, ML, DL, and Data science and application of AI, then he gave hands on python and by using python and PANDAS library with JUPITER IDE he designed some real time projects of AI. All Students also practiced these hands on and learned how python libraries, and cloud data is a used in building real time project. At the end Students asked their queries about how to prepare for getting jobs in the field AI. Students were highly benefited and motivated after this Workshop.

All faculties and students of IT Department attended this workshop.





**Greater Noida, Uttar Pradesh, India**  
ADMIN BLOCK, GNIOT GROUP OF INSTITUTIONS, Knowledge  
Park II, Greater Noida, Uttar Pradesh 201310, India  
Lat 28.461142°  
Long 77.495522°  
13/12/21 10:17 AM





**Greater Noida, Uttar Pradesh, India**

ADMIN BLOCK, GNIOT GROUP OF INSTITUTIONS,  
Knowledge Park II, Greater Noida, Uttar Pradesh 201310,  
India

Lat 28.481147°

Long 77.495523°

13/12/21 10:12 AM





**Greater Noida, Uttar Pradesh, India**  
CLASSROOM, GNIOT GROUP OF INSTITUTIONS, Knowledge  
Park II, Greater Noida, Uttar Pradesh 201310, India  
Lat 28.461109°  
Long 77.495544°  
13/12/21 10:14 AM

Greater Noida Institutions  
Director  
Greater Noida



**Greater Noida, Uttar Pradesh, India**

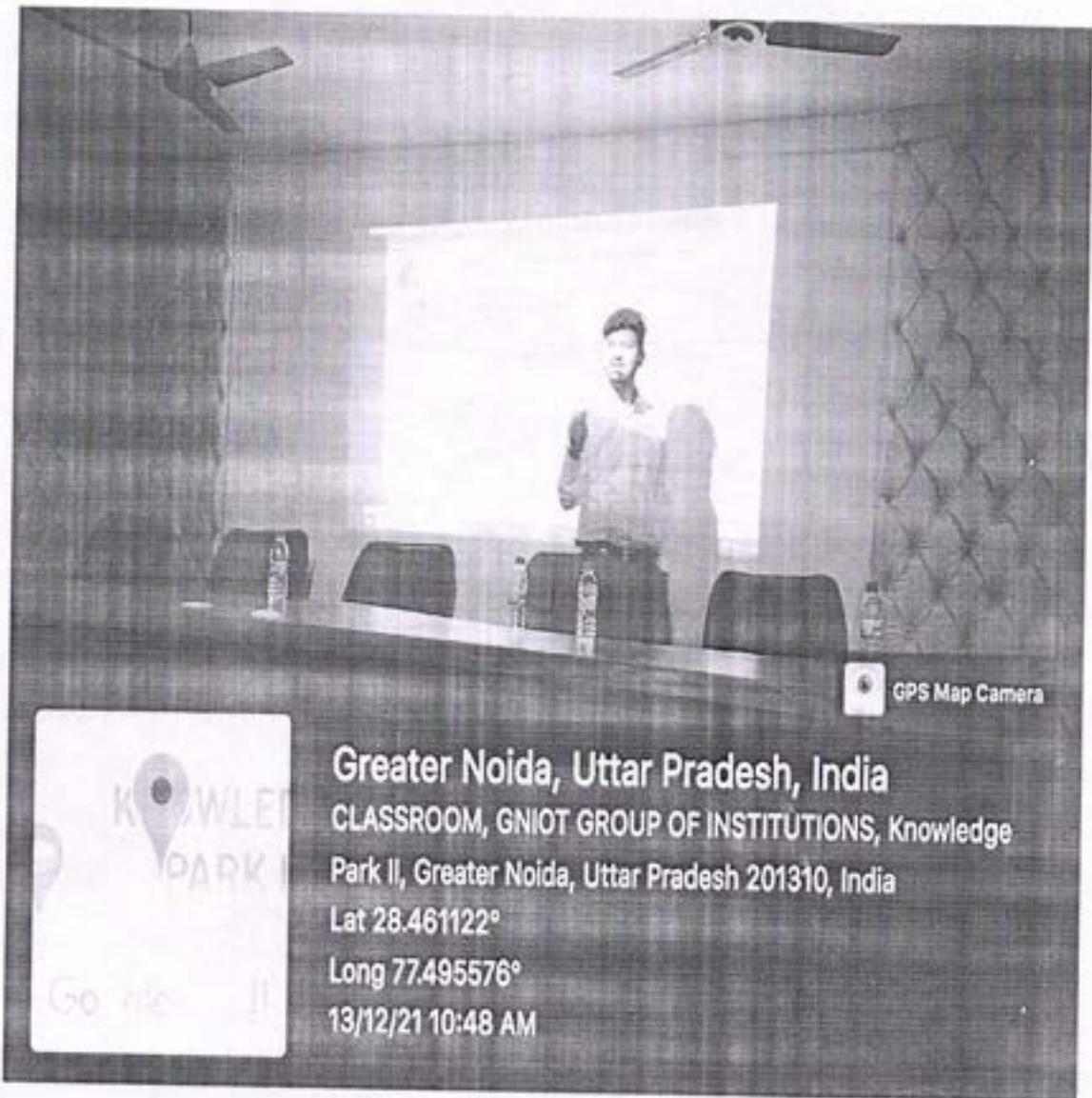
**ADMIN BLOCK, GNIOT GROUP OF INSTITUTIONS, Knowledge Park II, Greater Noida, Uttar Pradesh 201310, India**

**Lat 28.461149°**

**Long 77.495532°**

**13/12/21 10:20 AM**





GPS Map Camera



**Greater Noida, Uttar Pradesh, India**  
CLASSROOM, GNIOT GROUP OF INSTITUTIONS, Knowledge  
Park II, Greater Noida, Uttar Pradesh 201310, India  
Lat 28.461122°  
Long 77.495576°  
13/12/21 10:48 AM







GPS Map Camera

Greater Noida, Uttar Pradesh, India

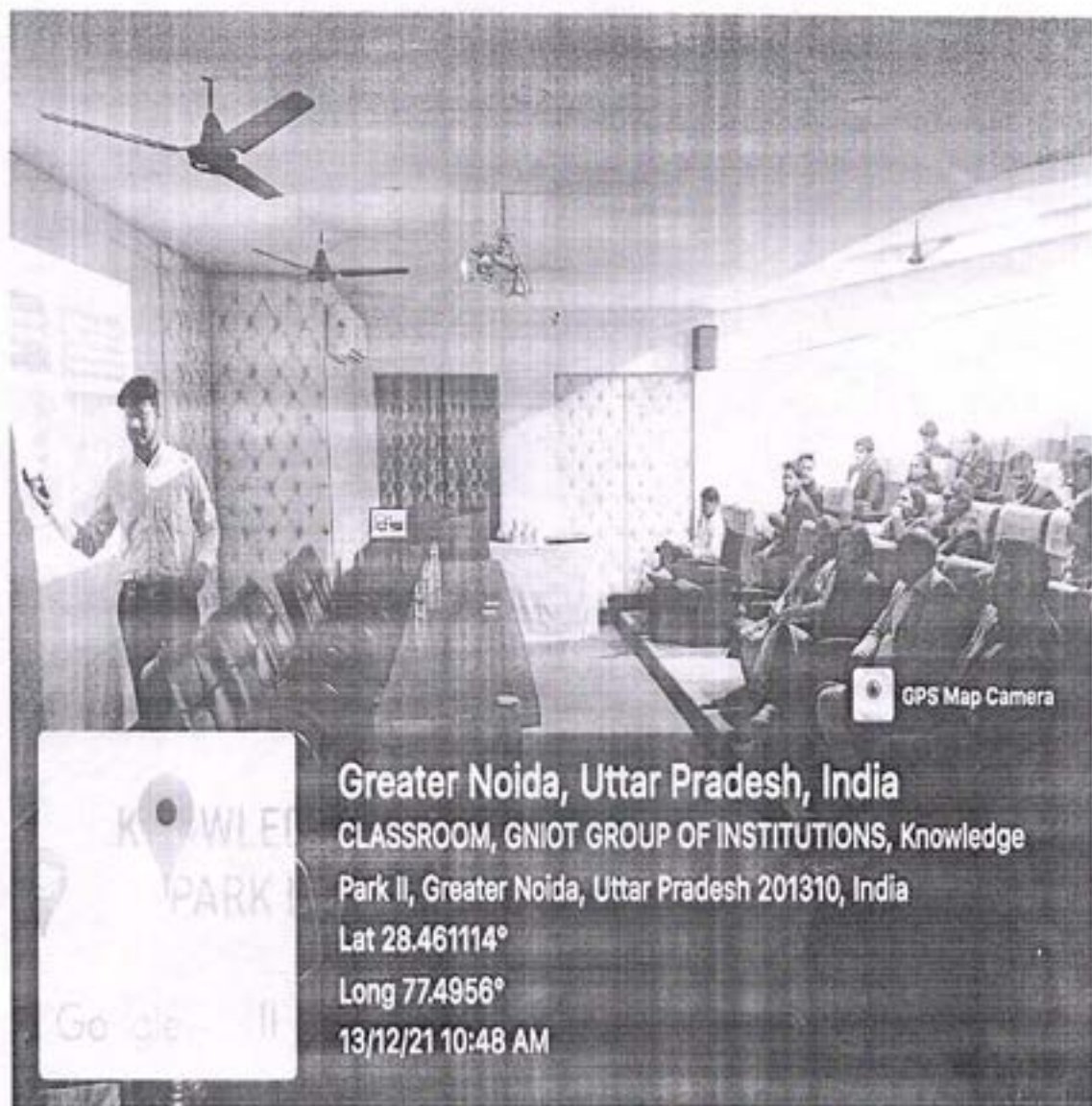
CLASSROOM, GNIOT GROUP OF INSTITUTIONS, Knowledge  
Park II, Greater Noida, Uttar Pradesh 201310, India

Lat 28.461136°

Long 77.495536°

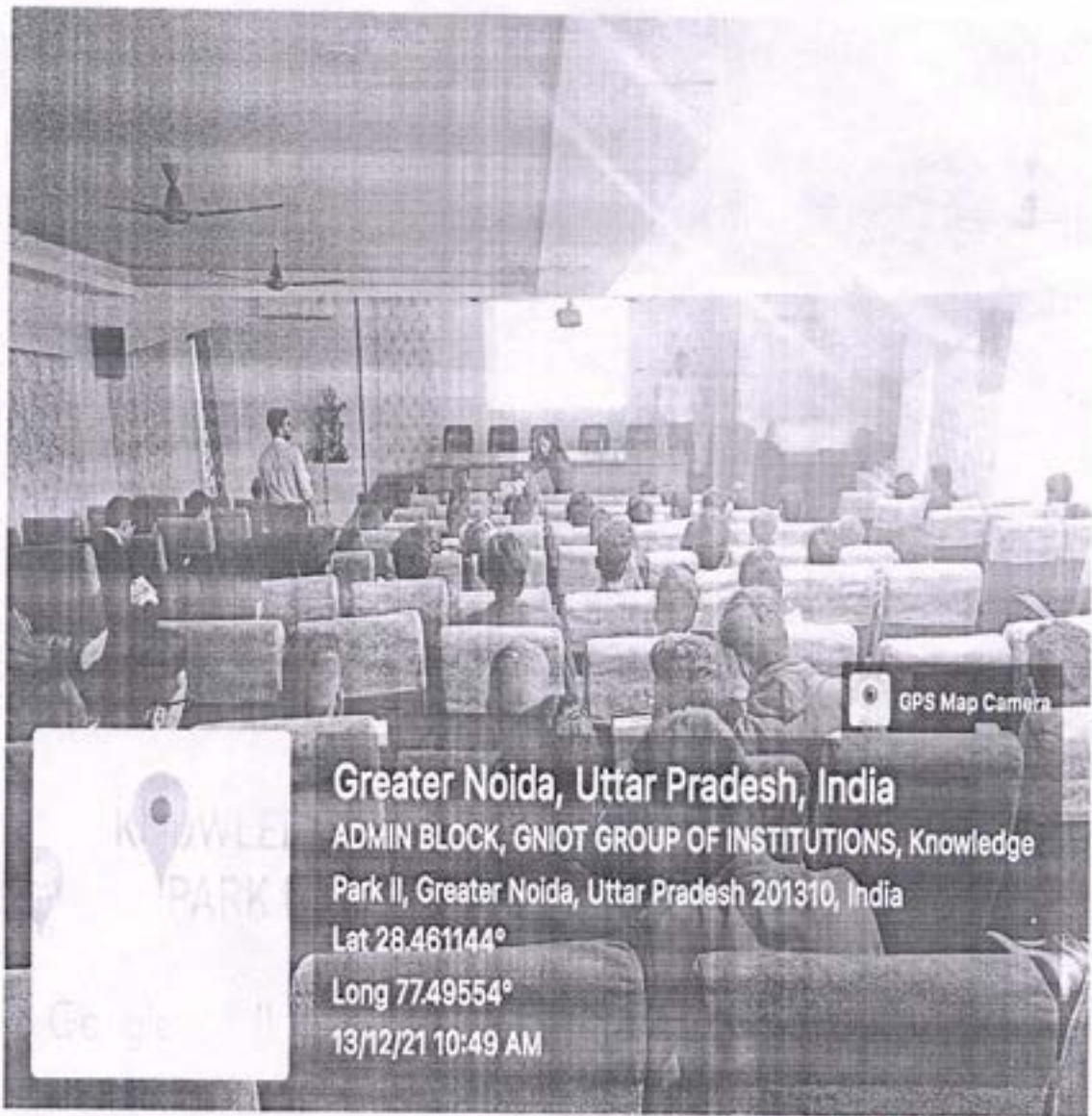
13/12/21 10:16 AM





**Greater Noida, Uttar Pradesh, India**  
**CLASSROOM, GNIOT GROUP OF INSTITUTIONS, Knowledge**  
**Park II, Greater Noida, Uttar Pradesh 201310, India**  
Lat 28.461114°  
Long 77.4956°  
13/12/21 10:48 AM









# GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA

AI AND ML WORKSHOP (13/12/2021)

S. No.	Name of the Student	Year & Section	Online Mode	S. No.	Name of the Student	Year & Section	Online Mode
1	Shiv Kumar	2A	P	1	Srikant	2B	P
2	Abhishek Anand	2A	P	2	Shivam Kumar	2B	P
3	Bhavya Gupta	2A	P	3	Ankur Nigam	2B	P
4	Deepak kumar	2A	P	4	Sonal Gupta	2B	P
5	Nausheen Siddiqui	2A	P	5	Smriti Kumari	2B	P
6	Aishwarya Sharma	2A	P	6	Neha Sharma	2B	P
7	Shruti Kaishwar	2A	P	7	Amrit Chaturvedi	2B	P
8	Mansi Agrahari	2A	P	8	Ankit Raj	2B	P
9	Abdul Quadir	2A	P	9	Ranjeet Singh Bhadauriya	2B	P
10	Mohd. Asif	2A	P	10	Pintu	2B	P
11	Asif Chaudhary	2A	P	11	Alok Kumar	2B	P
12	Mohd. Ali	2A	P	12	Ashish Chaudhary	2B	P
13	DURGESH SRIVASTAV	3A	P	13	SRISHTI KATHURIA	3B	P
14	DUSHYANT SHARMA	3A	P	14	SURABHI TRIPATHI	3B	P
15	EKANSH SINGH	3A	P	15	SURAJ MAURYA	3B	P
16	ETU GUPTA	3A	P	16	TANUJ SHARMA	3B	P
17	KRISHAN PRATAP SINGH	3A	P	17	UTKARSH VARSHNEY	3B	P
18	KUMAR ANIKET	3A	P	18	VARTIKA MISHRA	3B	P
19	KUMAR UJJAWAL	3A	P	19	VASU DAGRAS	3B	P
20	KUNAL BILANI	3A	P	20	VIKAS SINGH	3B	P
21	LALIT KUMAR	3A	P				
22	MOHD SHAMEEM	3A	P				
23	MOHIT KUMAR	3A	P				
24	MOHIT TAYAL	3A	P				
25	NAVYA	3A	P				
26	NISHANT KUMAR SINGH	3A	P				
27	PRASHANT VERMA	3A	P				
28	PRERNA SHARMA	3A	P				
29	PRINCE MISHRA	3A	P				



Signature of HOD  
Dr. Ramveer Singh

**DEPARTMENT OF INFORMATION TECHNOLOGY**

Ref: - No. GNIOT/IT/odd /Events/02

Date: 21.10.2021

**NOTICE**

This is to inform the students that as per the academic calendar the department is organizing the Expert Lecture for the current semester, continuing the same practice you are all informed that an Workshop is being organized, Impact lecture series on "Entrepreneurial opportunities in India and Start-up India" is scheduled on 23.10.2021 from 1:30 PM -5 :00PM.

The students are requested to present in full strength and take the maximum benefit of the Expert Lecture.



Dr. Ramveer Singh  
HOD-IT  
HOD-IT



**GNIOT**  
GROUP OF INSTITUTIONS

TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS

DEPARTMENT OF INFORMATION TECHNOLOGY

- IS ORGANIZING -

*Expert Talk*

ON

Entrepreneurial Opportunities in India and Start-up India



Ms. Meenakshi Hooda  
Director TRAVELIN



P.M. Shakil Ahmad Khan  
National Small Industrial Corporation

#GROUP DISCUSSION



PROF. (Dr.) DHIRAJ GUPTA  
DIRECTOR



PDK. RAMVEER SINGH  
H.O.D. IT



MS. UMA TOMAR  
ASSISTANT PROFESSOR



23, Saturday  
October, 2021



01:30 PM  
ONWARDS

Plot No.7, Knowledge Park II, Greater Noida, Uttar Pradesh 201310, INDIA  
www.gniotgroup.edu.in | Toll Free No. 1800-2746-969





DEPARTMENT OF INFORMATION TECHNOLOGY

ACTIVITY REPORT

**Name of Event:-** Impact lecture series on "Entrepreneurial opportunities in India and Start-up India"

**Date & Time of Event:-** 23.10.2021 from 1:30 -5 PM

GNIOT- Institution's Innovation Council (an initiative of Ministry of Education, Govt. of India) in collaboration with IT Department organized Impact lecture series on "Entrepreneurial opportunities in India and Start-up India" on 23.10.2021 from 1:30 -5 PM. Speakers of the Event was Shri Shakeel Ahmad Khan, Faculty member, National Small Industrial Corporation, Faridabad and Ms Meenakshi Hooda , Founding Director of two companies TRAVELINN and Dreams Décor Pvt. Ltd.

Welcome Address Given by Dr Manoj Singhal, Professor of IT Department on behalf of Dr Ramveer Singh, HOD IT department. Inaugural address given by Dr Anuranjan Misra, Dean (R &D) of Greater Noida Institute of Technology, Greater Noida and describe about GNIOT- MSME incubation Centre( an initiative of Ministry of MSME, Govt. Of India) GNIOT- Institutions Innovation Council(an initiative of Ministry of Education, Govt. Of India).

Ms Meenakshi Hooda discussed about how to start a new company, she shared her experiences about what challenges she had faced and how she overcome with these challenges to become entrepreneur.

Mr. Shakeel Ahmad Khan of NSIC discussed about various schemes of Government of India and state government for startup and how to take advantages of different schemes.

Students learnt a lot for these very informative and interactive lecture series.

Dr Dhiraj Gupta, Director , Greater Noida Institute of Technology, Greater Noida and Dr Praaveer Singh, Director General, GNIOT Group of Institutions grace the function.

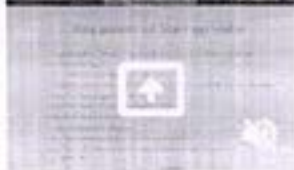




(24)



Manoj Singhal (You)



Shakeel Ahmad Khan



Anuranjan Misra



Shakeel Ahmad Khan

Others in the meeting (20)





(36)



Manoj Singhal (You)



Dr Anuranjan Misra



Meenakshi Hooda



Aman Tomar

Others in the meeting (32)



2:43 PM

4G 50

IIC-Impact Lect...



Shivend...



Meena...



raveside 25 others





Shobal Arora is presenting


### Implementing Agencies

For easy approach and accessibility, three agencies will work in each district.

- Khab & Village Industries Commission (KVSC)
- Khab & Village Industries Boards (KVIB)
- District Industrial Centers of State Govts. (DIC)

### Financial Assistance

- For Manufacturing Industry up to Rs. 25 Lakh
- For Service Industry up to Rs. 10 Lakh



18:48 | jnd-park-nd

Activate Windows  
Go to Settings to activate Windows.

Zoom Meeting | Video Off | Mute On | Chat Off | Screen Off | Share Off

The right side of the slide features a grid of nine participant thumbnails, mirroring the layout in the top image. The bottom of the slide shows the Windows taskbar with the time 18:48 and the name jnd-park-nd. A watermark for Windows is visible in the bottom right corner.





Zoom Meeting    [Unmute]    [Mute]    [Close]

Shilpa Arora Khan is presenting

## SALIENT FEATURES

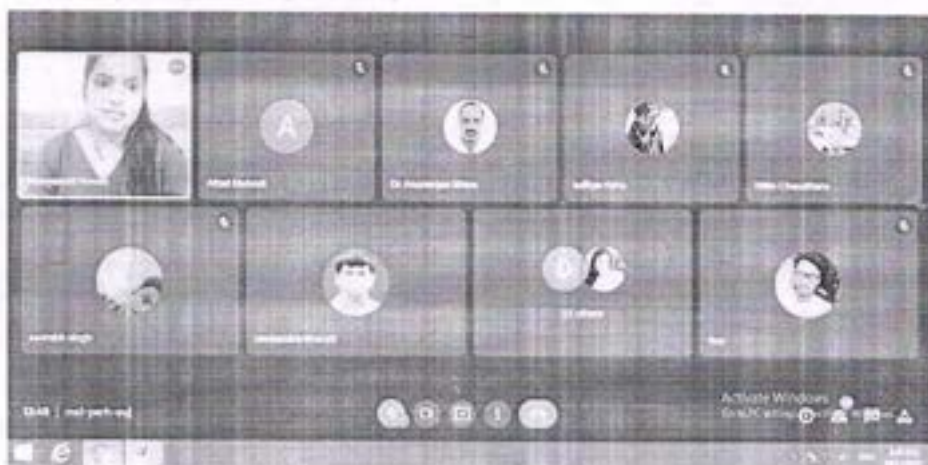
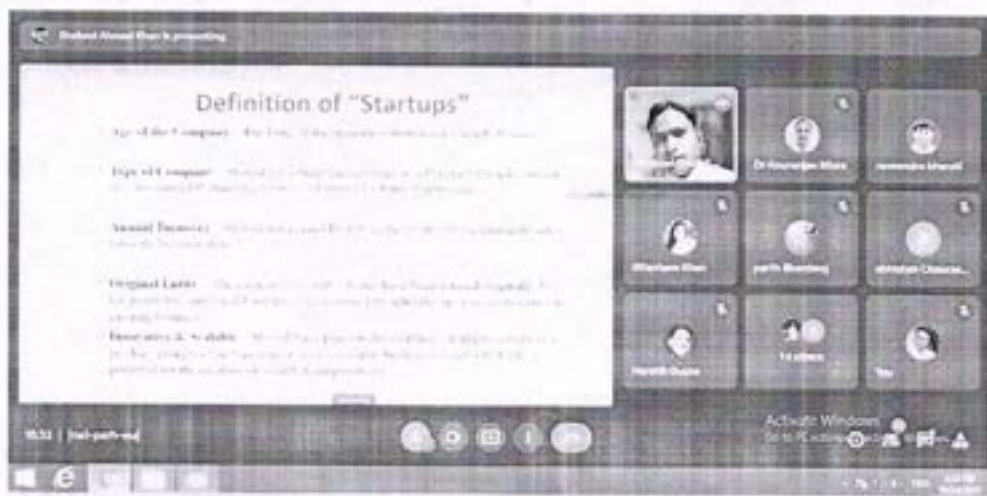
- ❖ PMEGP is a new MSME Scheme of Govt. of India by merging and scheme launched on 01-01-2008.
- ❖ Secy. Khadi & V.I. Board and District Industries Centre of State Government have also been associated in implementation of the programmes.
- ❖ Special Package of subsidy to promote rural industrialization.
- ❖ Empowering entrepreneurs through Skill Development and entrepreneurial development programme of DTP.

1:44 PM | mal-parth-arj

Activate Windows  
Go to Settings to activate Windows.

20°C    1:44 PM    10/23/2021



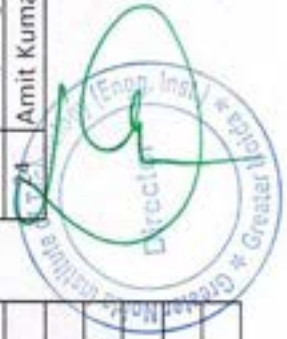




**GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA**

Expert Lecture 23-10-2021

S. No.	Name of the Student	Year & Section	Attendance	S. No.	Name of the Student	Year & Section	Attendance
1	HIMANSHU DUA	3A	P	1	RICHA BHARDWAJ	3B	P
2	UDAY PRATAP	3A	P	2	SANJEEV KUMAR	3B	P
3	ABHISHEK KUMAR	3A	P	3	SANSKRITA KUMARI	3B	P
4	ABHISHEK TYAGI	3A	P	4	SANYAM KHAZANCHI	3B	P
5	AISHWARYE GIRI	3A	P	5	SAURABH AHLAWAT	3B	P
6	AJAYDEEP SINGH	3A	P	6	SHAILENDRA KUMAR	3B	P
7	ALFISHA JAFRI	3A	P	7	SHIVAM SINGH	3B	P
8	ANSHIKA GUPTA	3A	P	8	SHIVAM SRIVASTAVA	3B	P
9	APURV CHAUDHARY	3A	P	9	SHREYA SINGH	3B	P
10	ASHWANI KUMAR SRIVASTAVA	3A	P	10	SHUBHAM GUPTA	3B	P
11	DEEPAK MISHRA	3A	P	11	SHUBHANGI SAINI	3B	P
12	DIVYANSHU SHUKLA	3A	P	12	SIMRAN CHOUDHARY	3B	P
13	Mohd. Wazid	2A	P	13	Girish Kumar Singh	2B	P
14	Irfan Alam	2A	P	14	Abi Kumar	2B	P
15	Piyush Rathore	2A	P	15	Sushmita Sinha	2B	P
16	Mohd. Sakir Khan	2A	P	16	Sunny Kumar	2B	P
17	Harsh Thakur	2A	P	17	Sumit Raj	2B	P
18	Arun Kumar	2A	P	18	Rohit Kumar	2B	P
19	Mohd. Asfand Noor	2A	P	19	Shubham Kumar	2B	P
20	Akash Malik	2A	P	20	Shivangi Kumari	2B	P
21	Samad	2A	P	21	Sweety Rai	2B	P
22	S. Gokul	2A	P	22	Lakshman Kumar	2B	P
23	Ambarish Kumar Pandey	2A	P	23	Jonty Singh	2B	P
24	Jash Ghosh	2A	P	24	Amit Kumar Tiwari	2B	P
25	Srikant	2A	P				
26	Shivam Kumar	2A	P				
27	Ankur Nigam	2A	P				
28	Sonal Gupta	2A	P				
29	Smriti Kumari	2A	P				



Signature of HOD  
Dr. Ramveer Singh

**DEPARTMENT OF INFORMATION TECHNOLOGY**

Ref: - No. GNIOT/IT/ODD/Events/04

Date: 29.03.2021

**NOTICE**

This is to inform the students that as per the academic calendar the department is organizing the events for the current semester, continuing the same practice you are all informed that an event is being organized "Industrial visit" is scheduled on 31.03.2021 from 9:30 -5 PM.

The students are requested to present in full strength and take the maximum benefit of the visit.



*Industrial visit*

31 MARCH 2021  
(11:00 AM to 2:00PM)

PROGRAMME REPORT

*Organized by  
Information Technology*



Institution's Innovation Council

**Greater Noida Institute of  
Technology (Engg. Institute)**

(An Initiative of Ministry of Education, Govt. of India)  
Knowledge park-II, Greater Noida- 201308  
[www.gniot.net.in](http://www.gniot.net.in)



## REPORT OF INDUSTRIAL VISIT

**Department: -** INFORMATION TECHNOLOGY  
**Activity: -** "Industrial Visit to **Network Bulls, Gurugram**"  
**Held On: -** **31th March, 2022 (Thursday) at 9:30 AM onwards.**  
**Venue: -** 2<sup>nd</sup> & 3<sup>rd</sup> Floor, SCO 9-12, Old Delhi Rd, Above Vishal Mega Mart, Sector 14, Gurugram, Haryana 122001  
**Attended by: -** Mr. Gaurav Singh (Assistant Professor, IT),  
Ms. Pragya (Assistant Professor, IT) and  
3<sup>rd</sup> year of IT Students.

Information Technology Department of Greater Noida Institute of Technology (GNIOT), Greater Noida has organized an Industrial Visit for the 3rd Year students at NETWORK BULLS, Gurugram on 31st March 2022.

Dr. Dhiraj Gupta (Director-132), Dr. Rajesh Pathak (Director QA-RM) and Prof. Vikas Singhal (HOD-IT ) motivated and waved off to all IT students from the campus, the students were very enthusiastic to go for Industrial visit.

During this visit students got the Hands on Experience of different types of Router and Switches by experts.

Students were satisfied after attending the Industrial Visit and interested to visit such type of industrial visit again.

Dr. Dhiraj Gupta has appreciated the effort of Department.

Network Bulls educated live display of different networking devices and different simulation tools like Cisco Packet Tracer.

Mr. Gaurav Singh, Asst. Prof., IT Deptt. And Ms. Pragya, Asst.Prof. , IT Deptt. escorted the students during the visit.

Ms. Pragya who has given vote of thanks to the HR and other technical staff of Network Bulls.

Around more than 40 students participated in the Industrial Visit.

Some glimpses of the whole session at NETWORK BULLS are here:

Prof. Vikas Singhal  
Head of the Department, IT  
Head Training Technical



DEPARTMENT OF INFORMATION TECHNOLOGY

ORGANIZES

# Industrial Visit

at

## NETWORK BULLS



14th & 15th Floor, 2020-21,  
One India Mall, Sector-18,  
Indira Nagar, Gurukul, Gurgaon,  
Haryana, India-122002



27 November



09:00 AM

to 05:00 PM

Plot No. 3, Knowledge Park 3, Greater Noida, UP 201308 | [www.gniotggnp.edu.in](http://www.gniotggnp.edu.in) | 052-274-6999



Prof. Vikas Singhal  
Head of the Department, IT  
Head Training Technical





Prof. Vikas Singhal  
Head of the Department, IT  
Head Training Technical





Prof. Vikas Singhal  
Head of the Department, IT  
Head Training Technical





Prof. Vikas Singhal  
Head of the Department, IT  
Head Training Technical



**GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA**

**Attendance of Visit (31.03.2021)**

S. No.	Name of the Student	Year & Section	Signature	S. No.	Name of the Student	Year & Section	Signature
1	AADITYA TRIPATHI	3A		1	ALOK KUMAR SINGH	3B	
2	AKASH KUMAR	3A		2	AMAN KUMAR MISHRA	3B	
3	AKSHANSH GUPTA	3A		3	MAAMTA MISHRA	3B	
4	AMAN TOMAR	3A		4	NITESH KUMAR	3B	
5	ANNU MISHRA	3A		5	RISHAV RAJ	3B	
6	ANJANA SRI ANSRI	3A		6	SANDEEP CHAUDHARY	3B	
7	ANU MAURYA	3A		7	SAURABH KUMAR SINGH	3B	
8	ASHOK GUPTA	3A		8	SAURAV RAJ	3B	
9	JYOTI GUPTA	3A		9	SHAHINAWAZ KHAN	3B	
10	KUSHAN KUMAR PATHAK	3A		10	SHIKHA KUMARI	3B	
11	MAYUR SHARMA	3A		11	SHIKHA MISHRA	3B	
12	MUHAMMAD ABULHAZAB	3A		12	SHIVANSH KUMAR	3B	
13	MUHAMMAD SARFARAZ	3A		13	SONSALI KUMARI	3B	
14	MUSKAN GUPTA	3A		14	SUMIT KUMAR	3B	
15	NISHANT KUMAR SINGH	3A		15	SUNIL KUMAR	3B	
16	NITESH KUMAR KUSHWAHA	3A		16	SURAJ KUMAR	3B	
17	PRADJAWAL MISHRA	3A		17	UTKARSH KUMAR VARSHNEY	3B	
18	PARTH BHARDWAJ	3A		18	SHIKHA MISHRA	3B	
19	ARSHAD AJAZUJE SABRI	3A		19	SHIVAM PANDEY	3B	
20	ANISH KUMAR	3A		20	SHIVAM SHUKLA	3B	
21	ASHOK GUPTA	3A		21	SHIVANSH KUMAR	3B	
22	AYUSH KUMAR	3A		22	SHIVANSHI SRIVASTAVA	3B	
23	AYUSH KUMAR YADAV	3A		23	SHREY SINGH	3B	
24	AYUSH SHEKHAR	3A		24	SHUBHAM KUMAR	3B	
25	AYUSEMAN BHARDWAJ	3A					
26	DINESH MISHRA	3A					
27	FARHAN ALI	3A					



Signature of HOD  
Prof. V. K. Singh

**DEPARTMENT OF INFORMATION TECHNOLOGY**

Ref: - No. GNIOT/IT/Even /Events/01

Date: 09.3.2022

**NOTICE**

This is to inform the students that as per the academic calendar the department is organizing the Expert Talk for the current semester, continuing the same practice you are all informed that an Workshop is being organized, Impact lecture series on "How to plan for Start-UP and Legal & Ethical Steps" is scheduled on 11 March 2022 (10:00 AM to 11:30 AM).

The students are requested to present in full strength and take the maximum benefit of the Expert Talk.



Prof. Vikas Singhal,  
HOD-IT  
HOD-IT



*Expert Talk  
on*

**"How to plan for Start-UP and Legal & Ethical Steps"**

**11 March 2022  
(10:00 AM to 11:30 AM)**

*Organized by*



**INSTITUTION'S  
INNOVATION  
COUNCIL**



**Institution's Innovation Council**

**Greater Noida Institute of  
Technology (GNIOT)**

**(An Initiative of Ministry of Education, Govt. of India)  
Knowledge park-II, Greater Noida- 201308  
[www.gniot.net.in](http://www.gniot.net.in)**



**COURSE No. & TITLE:**

- How to plan for Start-up and legal & Ethical Steps

**PARTICIPANTS:**

**All Engineering Students & Faculty members**

**OBJECTIVES:**

- To help the students to incubate the idea and to turn it into a startup
- To enrich the participants with the Innovation skills
- To provide pointers to entrepreneurs and to guide them how to get seed fundings
- To Guide the Students about various grants and all the requirements to get started with the startup.

**Expert:**

1. Mr. Saurabh Patel, Founder of Vajre India Technologies, the fastest growing product-based IT company which build products in the field of Defense and Renewable Energy Source Sector

**Profile of the Expert**



Mr. Saurabh Patel is Founder of **Vajre India Technologies** and one of the youngest Innovator of India. He was also praised by honorable prime minister and defense minister of India for his innovative work in defense sector. He is a

Microsoft 3x Certified and made a record of passing 2 global certifications back-to-back in a time interval of 1 hour. He has worked with top notch MNCs like Harman International (A Samsung company), Accenture etc. He got expertise in the field of Python, AI, Machine learning, DEVOPS, Cloud Computing, Networking, cyber security and many more. His mission is to make Indian

## Report

Don't limit yourself. Many people limit themselves to what they think they can do. You can go as far as your mind lets you. What you believe, remember, you can achieve.

-Mary Kay Ash



The Session was pioneered by inaugural address of Honorable Director Sir Prof. (Dr.) Dhiraj Gupta, who inspired the students with his speech towards the vision of Startup's, Incubation cell at GNIOT and motivated the young minds to showcase their talents and realize their potential. Prof. Vikas Singhal, HoD-IT welcomed the guest and addressed the students. Prof. Singhal also proposed a Vote of thanks to the Management for their unconditional support and to Director sir for being always supportive and spreading the light of Knowledge. Mr. Saurabh Patel explained to students about various grants and all the requirements to get started with the startup.

The Event was backed -up from the participant end with an interactive Question and Answer session. The session was very Intellectual, fruitful and Interactive.





The program was concluded by vote of Thanks by Ms. Uma Tomer, Assistant Professor IT. The session was attended by more than 100 students and all faculty members of IT.

### **Outcome of the Program**

1. Students gained experience of how the Innovation activities are executed.
2. It helped in enhancing interpersonal skills and Innovation techniques
3. Participants got clear idea about how convert their idea into a company and how to register a company and what are the documents they should prepared for the registration.
4. This Session has broken monotony and sparked the ideas of grants for Innovation.
5. Such activity develops the sense of responsibility among the students and make them confident to work in a learning environment.

Youtube link:

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## GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA

### Attendance of Event How to plan for startup and legal & Ethical Steps (11.03.2022)

S. No.	Name of the Student	Year &	Signature	S. No.	Name of the Student	Year &	Signature
1	ADNAN AHMAD KHAN	2A	<i>P</i>	1	SHIKHA KUMARI	2B	<i>P</i>
2	AKASH KUMAR	2A	<i>P</i>	2	PRIYANSH	2B	<i>P</i>
3	AKSHANSH GUPTA	2A	<i>P</i>	3	MAMTA MISHRA	2B	<i>P</i>
4	ALOK RANJAN	2A	<i>P</i>	4	SANDEEP CHAUDHARY	2B	<i>P</i>
5	AMAN RAI	2A	<i>P</i>	5	GAURAV SINGH	2B	<i>P</i>
6	AMAN TOMAR	2A	<i>P</i>	6	SONALI KUMARI	2B	<i>P</i>
7	AMAR PAL SINGH	2A	<i>P</i>	7	VIVEK HERENU	2B	<i>P</i>
8	AMIT OJHA	2A	<i>P</i>	8	ALOK KUMAR SINGH	2B	<i>P</i>
9	AMIT VERMA	2A	<i>P</i>	9	AMAN KUMAR MISHRA	2B	<i>P</i>
10	ANKIT MISHRA	2A	<i>P</i>	10	IMRAN AKHTAR	2B	<i>P</i>
11	ANNU MISHRA	2A	<i>P</i>	11	MD BELAL NADEEM	2B	<i>P</i>
12	ANSHU KUMAR UPADHYAY	2A	<i>P</i>	12	PUNIT KUMAR KAUSHIK	2B	<i>P</i>
13	ANTIMA SOLANKI	2A	<i>P</i>	13	PURSHARTH CHAUDHARY	2B	<i>P</i>
14	ANUJ MAURYA	2A	<i>P</i>	14	RAHUL KRISHNA	2B	<i>P</i>
15	APOORV SHARMA	2A	<i>P</i>	15	RISHABH SINGH	2B	<i>P</i>
16	ARPIT KUMAR	2A	<i>P</i>	16	RISHAV MISHRA	2B	<i>P</i>
17	ARSHAD AFAQJE SABRI	2A	<i>P</i>	17	RISHAV RAJ	2B	<i>P</i>
18	ASHISH KUMAR	2A	<i>P</i>	18	RITIK RAJ	2B	<i>P</i>
19	ASHOK GUPTA	2A	<i>P</i>	19	RUPESH KUMAR PRASAD	2B	<i>P</i>
20	AYUSH KUMAR	2A	<i>P</i>	20	SAJAL KUMAR	2B	<i>P</i>
21	AYUSH KUMAR YADAV	2A	<i>P</i>	21	SAKSHAM SRIVASTAVA	2B	<i>P</i>
22	AYUSH SHEKHAR	2A	<i>P</i>	22	SAURABH KUMAR SINGH	2B	<i>P</i>
23	AYUSHMAN BHARDWAJ	2A	<i>P</i>	23	SAURAV RAJ	2B	<i>P</i>
24	DINESH MISHRA	2A	<i>P</i>				
25	FARHAN ALI	2A	<i>P</i>				
26	GAURAV DHYANI	2A	<i>P</i>				
27	GAURAV PANDEY	2A	<i>P</i>				



Signature of HOD  
Prof. Vikas Singhal

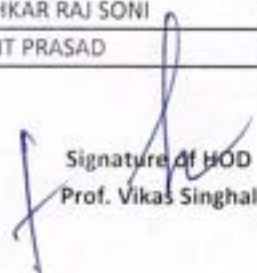
**GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA**

**Attendance of Event How to plan for startup and legal & Ethical Steps (11.03.2022)**

S. No.	Name of the Student	Year & Section	Signature
1	ASHISH RAJ	3A	P
2	SHUBHAM YADAV	3A	P
3	SUMANT SINGH	3A	P
4	BITTU KUMAR	3A	P
5	DUSHYANT BHATI	3A	P
6	NILOTPAL YADAV	3A	P
7	SHIVA YADAV	3A	P
8	PRIYANKA	3A	P
9	DIVYANSH SINGH	3A	P
10	AMIT KUMAR SINGH	3A	P
11	NIKHIL KUMAR	3A	P
12	LALAN KUMAR	3A	P
13	AMANAT ANAND	3A	P
14	NIKHIL PATHAK	3A	P
15	SAURABH KUMAR	3A	P
16	PRAVISH BHARDWAJ	3A	P
17	AYUSH PRATAP	3A	P
18	ABHINAV ANAND	3A	P
19	ANCHAL KUMAR	3A	P
20	SIDDHARTH SINGH	3A	P
21	NITIN SRIVASTAVA	3A	P
22	ANOOP DIXIT	3A	P
23	ASTHA JAISWAL	3A	P
24	RAVI RANJAN	3A	P
25	VIDYANSHU KUMAR	3A	P
26	MADHU MITA	3A	P

S. No.	Name of the Student	Year & Section	Signature
1	SUNIL KUMAR	3B	P
2	DEVENDRA PRATAP SINGH	3B	P
3	MANISH KUMAR SINGH	3B	P
4	PRIYANSHU PRIYA	3B	P
5	VIKASH TIWARY	3B	P
6	SAYEED AHMAD	3B	P
7	PAWAN KUMAR	3B	P
8	RAHUL KUMAR	3B	P
9	SMRITI JHA	3B	P
10	MOHD. SHABIB RAZA	3B	P
11	BANTI CHAUHAN	3B	P
12	YASIR MOHAMMAD ZAFIR	3B	P
13	RAHUL BHARDWAJ	3B	P
14	SUMIT RAJ	3B	P
15	NAMAN CHANDRA	3B	P
16	AYUSH SRIVASTAVA	3B	P
17	CHIRAG GUPTA	3B	P
18	ABHAY KUMAR MISHRA	3B	P
19	PARAS CHAUHAN	3B	P
20	SUYASH KUMAR PANDEY	3B	P
21	MD.MERAJ RAZA HASHMI	3B	P
22	KUMAR PIYUSHAM	3B	P
23	ASHISH KUMAR JHA	3B	P
24	AMIT KUMAR SINGH	3B	P
25	ASIT SINGH	3B	P
26	MAHAK AGARWAL	3B	P
27	SHIVAM CHAUHAN	3B	P
28	AVNISH VERMA	3B	P
29	PUSHKAR RAJ SONI	3B	P
30	ROHIT PRASAD	3B	P



  
 Signature of HOD  
 Prof. Vikas Singhal



DEPARTMENT OF INFORMATION TECHNOLOGY

Ref: - No. GNIOT/IT/Even /Events/02

Date: 06.10.2022

NOTICE

This is to inform the students that as per the academic calendar the department is organizing the Expert Talk for the current semester, continuing the same practice you are all informed that an Workshop is being organized, Impact lecture series on "HANDS-ON PRACTICE (DATA ANALYSIS USING PYTHON)" is scheduled on 07-10-2022 11:00 AM to 12:30 PM.

The students are requested to present in full strength and take the maximum benefit of the Expert Talk.



Prof. Vikas Singhal



# DEPARTMENT OF IT

in association with

## DUCAT TECHNOLOGY

ORGANIZES

# HANDS ON PRACTICE

Data analysis using python



EXPERT

**Er. Rohit Palwa**  
Machine Learning Expert



**Prof. (Dr.) Dhruv Gupta**  
Director



**Prof. Vikas Singhal**  
HOD-IT



**Dr. Anand Dohare**  
Event co-ordinator

Friday 07 October, 2022 11:00 AM Onwards

Venue : 129, Computer Lab

#HANDSPRACTICE





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

## Department of Information Technology

### HANDS-ON PRACTICE

(DATA ANALYSIS USING PYTHON)

For growing up skills of students, the Department of Information Technology successfully organized a **Hands-on Practice on Data analysis using the PYTHON** on 07/10/2022 from 11:00 AM to 12:30 AM.

Before starting the session Prof. Vikash Singhal HOD, IT Department, and event coordinator Dr. Anand Dohare, Asst. Prof. IT Department welcomes the guest **Er. Rohit Pahwa**, a Machine learning expert, and elaborates the importance of machine learning.

Approx. 60 students from IT 3<sup>rd</sup> were attend the event and learn how to analyze big data and hands-on practice with given data using python, the expert also give short tricks for data analysis and pictorial representation. Student queries also solve on data handling.



2001

## DEPARTMENT OF IT

in association with

### DUCAT TECHNOLOGY

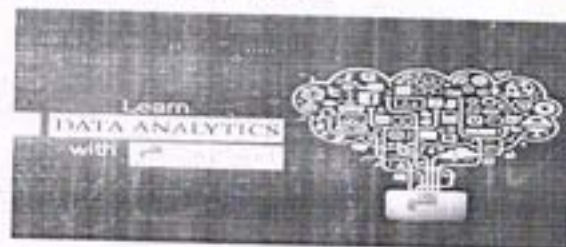
ORGANIZES

## HANDS ON PRACTICE

Data analysis using python



**EXPERT**  
**Er. Rohit Pahwa**  
 Machine Learning Expert



**Prof. Dr. Anand Dohare**  
 Assistant Professor



**Prof. Vikash Singhal**  
 Head of Department



**Dr. Anand Dohare**  
 Assistant Professor

Venue : 129, Computer Lab

Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | www.gniotgroup.edu.in | 1800-274-6969







10  
Director  
Greater Noida



*[Handwritten Signature]*  
Director  
Greater Noida Institute of Technology  
Greater Noida

## GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA

### Attendance of Python Expert Talk (10.07.2022)

S. No.	Name of the Student	Year &	Signature	S. No.	Name of the Student	Year &	Signature
1	ADMAN AHMAD KHAN	2A		1	SHIKHA KUMARI	2B	
2	AKASH KUMAR	2A		2	PRIYANSH	2B	
3	AKSHANSH GUPTA	2A		3	MAMTA MISHRA	2B	
4	ALOK RANJAN	2A		4	SANDEEP CHAUDHARY	2B	
5	AMAN RAI	2A		5	GAURAV SINGH	2B	
6	AMAN TOMAR	2A		6	SONALI KUMARI	2B	
7	AMAR PAL SINGH	2A		7	VIVEK HERENJ	2B	
8	AMIT OJHA	2A		8	ALOK KUMAR SINGH	2B	
9	AMIT VERMA	2A		9	AMAN KUMAR MISHRA	2B	
10	ANKIT MISHRA	2A		10	IMRAN AKHTAR	2B	
11	ANNU MISHRA	2A		11	MD BELAL NADEEM	2B	
12	ANSHU KUMAR UPADHYAY	2A		12	PUNIT KUMAR KAUSHIK	2B	
13	ANTIMA SOLANKI	2A		13	PURSHARTH CHAUDHARY	2B	
14	ANUJ MALURVA	2A		14	RAHUL KRISHNA	2B	
15	APOORV SHARMA	2A		15	RISHABH SINGH	2B	
16	ARPIT KUMAR	2A		16	RISHAV MISHRA	2B	
17	ARSHAD AFAQUE SABRI	2A		17	RISHAV RAJ	2B	
18	ASHISH KUMAR	2A		18	RITIK RAJ	2B	
19	ASHOK GUPTA	2A		19	RUPESH KUMAR PRASAD	2B	
20	AYUSH KUMAR	2A		20	SAJAL KUMAR	2B	
21	AYUSH KUMAR YADAV	2A		21	SAKSHAM SRIVASTAVA	2B	
22	AYUSH SHEKHAR	2A		22	SAURABH KUMAR SINGH	2B	
23	AYUSHMAN BHARDWAJ	2A		23	SAURAV RAJ	2B	
24	DINESH MISHRA	2A					
25	FARHAN ALI	2A					
26	GAURAV DHYANI	2A					
27	GAURAV PANDEY	2A					



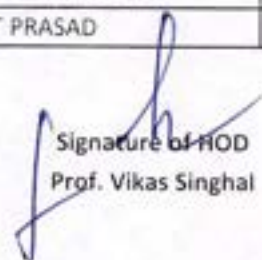
Signature of HOD  
Prof. Vikas Singhal

**GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA**

**Attendance of Python Expert Talk (10.07.2022)**

S. No.	Name of the Student	Year & Section	Signature
1	ASHISH RAJ	3A	P
2	SHUBHAM YADAV	3A	P
3	SUMANT SINGH	3A	P
4	BITTU KUMAR	3A	P
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1	SUNIL KUMAR	3B	P
2	DEVENDRA PRATAP SINGH	3B	P
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12	YASIR MOHAMMAD ZAFIR	3B	P
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15	NAMAN CHANDRA	3B	P
16	AYUSH SRIVASTAVA	3B	P
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18	ABHAY KUMAR MISHRA	3B	P
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20	SUYASH KUMAR PANDEY	3B	P
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27	SHIVAM CHAUHAN	3B	P
28	AVNISH VERMA	3B	P
29	PUSHKAR RAJ SONI	3B	P
30	ROHIT PRASAD	3B	P

  
 Signature of HOD  
 Prof. Vikas Singhal





**DEPARTMENT OF INFORMATION TECHNOLOGY**

Ref: - No. GNIOT/IT/odd /Events/03

Date: 10.10.2022

**NOTICE**

This is to inform the students that as per the academic calendar the department are organizing the events for the current semester, continuing the same practice you are all informed that an event is being organized; "International Day of the Girl Child" is scheduled on 11.10.2022 from 11:00 AM - 1:00 PM.

The students are requested to present in full strength and take the maximum benefit of the expert talk.



Prof. Vikas Singhal



*An event on*

"International Day of the Girl Child"

**11 October 2022**  
**(03:15 PM to 04:45 PM)**

## PROGRAMME REPORT

*Organized by*



The Rising Corner Club

**Greater Noida Institute of  
Technology (GNIOT)**

(An Initiative of Ministry of Education, Govt. of India)  
Knowledge park-II, Greater Noida- 201308  
[www.gniot.net.in](http://www.gniot.net.in)



**EVENT TITLE:**

International Day of the Girl Child "Our time is now—our rights, our future".

**PARTICIPANTS:**

All IT Engineering Students & Faculty members.

**OBJECTIVES:**

- The main motive of the event was to work together to ensure that girls are connected, supported and empowered.
- To stand up for and with girls who are more vulnerable to discrimination and violence than boys the moment they first draw breath.
- To focus attention on the need to address the challenges girls face and to promote girls' empowerment and the fulfilment of their human rights.

**Speaker of the Event: Ms. Parul Srivastava**

**Profile of the Speaker**

- The speaker of this event was an experienced CBSE teacher having more than 20 years of experience.
- She has done M.A. in English and B.Ed from Rohillkand University. She has worked as English and Music teacher in Balwant Rai Mehta Vidya

Bhawan, New.Delhi from 2004 to 2005, in Sunbeam Public School, Kanpur from 2008 to 2013, in Panchsheel Balak Inter College Noida from 2013 to 2016, in Ralli International School from 2018 to 2019 and in Vanasthali Public School from 2020 to March'2022.

- She also worked as a coordinator for preparing students for inter school competitions for Debates, cultural programs and internal school activities.

## Report

"Girls are leaders. Girls are change-makers. Girls are driving good and growth around the world. They are a fundamental source of transformational change for gender equality, and technology which is a crucial tool to support their work, activism and leadership."



**GNIOT**  
GROUP OF INSTITUTIONS

Transforming Students  
into Industry ready  
Professional



11th Oct.  
2022  
3:15 PM  
Onwards

**Department of Information Technology**

The Rising Corner Club

Is Celebrating



"OUR TIME IS NOW - OUR RIGHTS OUR FUTURE"



Mr. Dheeraj Kumar

Director



Mr. Anand Singh

HOD (IT)



Ms. Anjali

Assistant Professor



Ms. Parul Srivastava

Chief Guest

Address: Plot No. 7, Knowledge Park II, Greater Noida, Uttar Pradesh 201310 | Phone: 1800 274 6969



IT Department has organized an event on International Day of the Girl Child on 11th October 2022. The motive of this event is to work together to ensure that girls are connected, supported and empowered. Ms. Parul Srivastava who is

having more than 20 years of experience in teaching, has inspired not only girls but also boys that girls can change the world if they will get proper education, healthcare, learning, opportunities and cooperation.



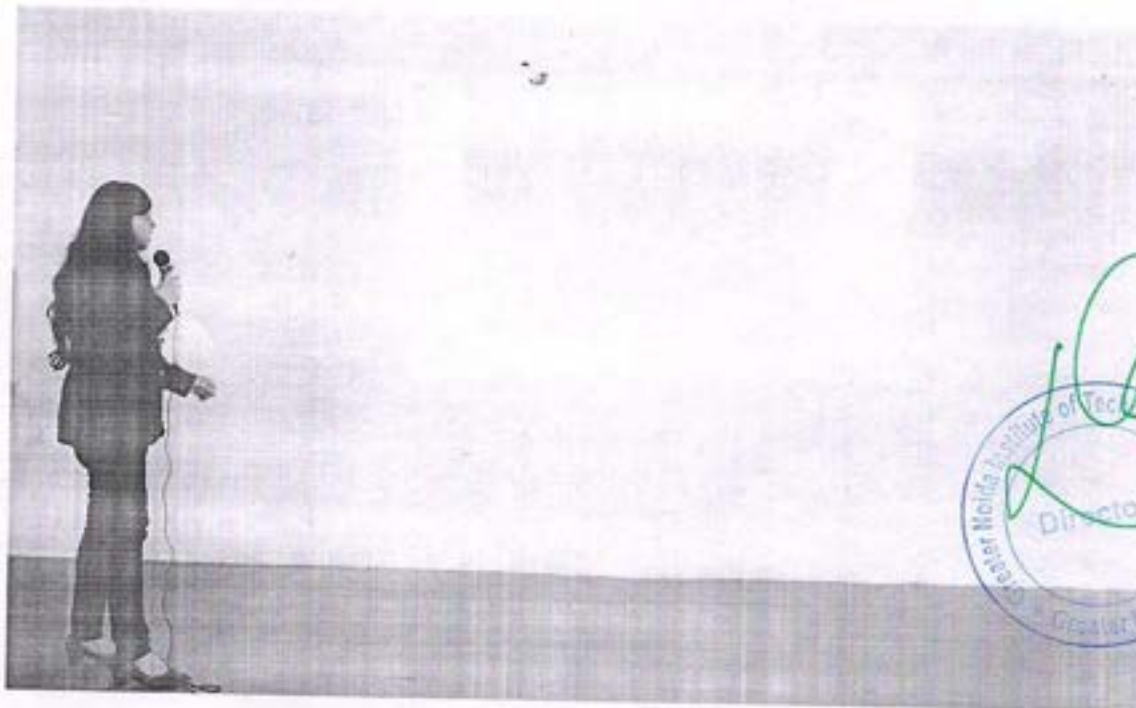
The event was hosted by Ms. Muskan Gupta, student of IT 3<sup>rd</sup> year who highlighted the motive of the event and welcomed the Guest Speaker, Ms. Parul Srivastava and thanked the speaker for sparing her valuable time to enrich the students. Ms. Parul Srivastava spoke about the different themes of



International Day of the Girl Child and what is the importance of International Day of the Girl Child. She addressed the challenges girls face and to promote girls' empowerment and the fulfilment of their human rights.



Jyoti and Sonali from IT 3rd Year also presented their views highlighting the importance of the day. The session was attended by more than 60 students and all faculty members of IT.





The Event was backed –up from the participant end with an interactive Question and Answer session. The session was very fruitful and interactive.





### Outcome of the Program

1. Students gained knowledge regarding girls' rights and the unique challenges girls face around the world.
2. We all should work together to ensure that girls are connected, supported and empowered.





**GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA**  
**Attendance of International Day of The Girl Child (11.10.2022)**

S. No.	Name of the Student	Year &	Signature	S. No.	Name of the Student	Year &	Signature
1	ADNAN AHMAD KHAN	2A	<i>f</i>	1	SHIKHA KUMARI	2B	<i>f</i>
2	AKASH KUMAR	2A	<i>f</i>	2	PRIYANSH	2B	<i>f</i>
3	AKSHANSH GUPTA	2A	<i>f</i>	3	MAMTA MISHRA	2B	<i>f</i>
4	ALOK RANJAN	2A	<i>f</i>	4	SANDEEP CHAUDHARY	2B	<i>f</i>
5	AMAN RAI	2A	<i>f</i>	5	GAURAV SINGH	2B	<i>f</i>
6	AMAN TOMAR	2A	<i>f</i>	6	SONALI KUMARI	2B	<i>f</i>
7	AMAR PAL SINGH	2A	<i>f</i>	7	VIVEK HERENJ	2B	<i>f</i>
8	AMIT OIHA	2A	<i>f</i>	8	ALOK KUMAR SINGH	2B	<i>f</i>
9	AMIT VERMA	2A	<i>f</i>	9	AMAN KUMAR MISHRA	2B	<i>f</i>
10	ANKIT MISHRA	2A	<i>f</i>	10	IMRAN AKHTAR	2B	<i>f</i>
11	ANNU MISHRA	2A	<i>f</i>	11	MD BELAL NADEEM	2B	<i>f</i>
12	ANSHU KUMAR UPADHYAY	2A	<i>f</i>	12	PUNIT KUMAR KAUSHIK	2B	<i>f</i>
13	ANTIMA SOLANKI	2A	<i>f</i>	13	PURSHARTH CHAUDHARY	2B	<i>f</i>
14	ANUJ MAURVA	2A	<i>f</i>	14	RAHUL KRISHNA	2B	<i>f</i>
15	APOORV SHARMA	2A	<i>f</i>	15	RISHABH SINGH	2B	<i>f</i>
16	ARPIT KUMAR	2A	<i>f</i>	16	RISHAV MISHRA	2B	<i>f</i>
17	ARSHAD AFAQUE SABRU	2A	<i>f</i>	17	RISHAV RAJ	2B	<i>f</i>
18	ASHISH KUMAR	2A	<i>f</i>	18	RITIK RAJ	2B	<i>f</i>
19	ASHOK GUPTA	2A	<i>f</i>	19	RUPESH KUMAR PRASAD	2B	<i>f</i>
20	AYUSH KUMAR	2A	<i>f</i>	20	SAJAL KUMAR	2B	<i>f</i>
21	AYUSH KUMAR YADAV	2A	<i>f</i>	21	SAKSHAM SRIVASTAVA	2B	<i>f</i>
22	AYUSH SHERHAR	2A	<i>f</i>	22	SAURABH KUMAR SINGH	2B	<i>f</i>
23	AYUSHMAN BHARDWAJ	2A	<i>f</i>	23	SAURAV RAJ	2B	<i>f</i>
24	DINESH MISHRA	2A	<i>f</i>				
25	FARHAN ALI	2A	<i>f</i>				
26	GAURAV DHYANI	2A	<i>f</i>				
27	GAURAV PANDEY	2A	<i>f</i>				



*Signature of HOD*  
**Prof. Vikas Singhal**

**GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA**

**Attendance of International Day of The Girl Child (11.10.2022)**

S. No.	Name of the Student	Year & Section	Signature
1	ASHISH RAJ	3A	f
2	SHUBHAM YADAV	3A	f
3	SUMANT SINGH	3A	f
4	BITTU KUMAR	3A	f
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24	RAVI RANJAN	3A	f
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26	MADHU MITA	3A	f

S. No.	Name of the Student	Year & Section	Signature
1	SUNIL KUMAR	3B	f
2	DEVENDRA PRATAP SINGH	3B	f
3	MANISH KUMAR SINGH	3B	f
4	PRIYANSHU PRIYA	3B	f
5	VIKASH TIWARY	3B	f
6	SAYEED AHMAD	3B	f
7	PAWAN KUMAR	3B	f
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24	AMIT KUMAR SINGH	3B	f
25	ASIT SINGH	3B	f
26	MAHAK AGARWAL	3B	f
27	SHIVAM CHAUHAN	3B	f
28	AVNISH VERMA	3B	f
29	PUSHKAR RAJ SONI	3B	f
30	ROHIT PRASAD	3B	f

Signature of HOD  
Prof. Vikas Singhal



**DEPARTMENT OF INFORMATION TECHNOLOGY**

Ref: - No. GNIOT/IT/ODD/Events/04

Date: 24.11.2021

**NOTICE**

This is to inform the students that as per the academic calendar the department is organizing the events for the current semester, continuing the same practice you are all informed that an event is being organized "Industrial visit" is scheduled on 27.11.2021 from 9:30 -5 PM.

The students are requested to present in full strength and take the maximum benefit of the visit.



Prof. Vikas Singhal



*Industrial visit*

**27 NOV2021**  
**(11:00 AM to 2:00PM)**

**PROGRAMME REPORT**

*Organized by*  
*Information Technology*



**Institution's Innovation Council**

**Greater Noida Institute of  
Technology (Engg.Institute)**

**(An Initiative of Ministry of Education, Govt. of India)**  
**Knowledge park-II, Greater Noida- 201308**  
**[www.gniot.net.in](http://www.gniot.net.in)**



## Activity Report

**Report of "industrial visit to National Center for Medium Range Weather Forecasting (NCMRWF)" conducted by IT Department**

**Date of Event:- 27 November, 2021, Time 2.00 P.M.**

Department of Information Technology at Greater Noida Institute of Technology organized a "an industrial visit to National Center for Medium Range Weather Forecasting (NCMRWF) , Industrial Area, Sector 62, Noida," on 27th November, 2021 for students of B-Tech (IT) Third year. We believe learning should not be restricted to four walls. To bring the immersive learning within the students , we incorporate industrial visit as part of the curriculum. The aim of these industrial visit is "Education – Exposure – Experience." today, on 27th November 2021, department of Information Technology (IT)organized an industrial visit to National Center for Medium Range Weather Forecasting (NCMRWF) , Industrial Area, Sector 62, Noida, for IT 3rd year students. The purpose of the visit was to make students aware about how various activities related to technology for weather forecasting and supercomputing are carried out in Govt. research institution. This was also to provide them feel of A.I and M.L applications.

National Centre for Medium Range Weather Forecasting (NCMRWF), Noida is a centre of excellence in weather and climate modelling under the Ministry of Earth Sciences, Government of India. NCMRWF organized a "Open Day – Outreach Programme" on 27th November 2021, 11:00 AM – 4:00 PM as a precursor to the IISF-2021 to be held during 10-13 December 2021 in Panaji, Goa, co-ordinated by NCPOR, MoES.

The aim of this "NCMRWF Open-Day" is to provide a platform for the students, teachers and other visitors to exchange their knowledge and ideas to foster scientific and technological innovations in the field of atmospheric science, especially satellite observation, weather and climate modelling and high-performance computing. In this event, research/operational activities and facilities of NCMRWF showcased through lecture, interaction with scientists, documentary films, poster exhibitions and visit to NCMRWF Super Computing Facility.

Students were invited to visit NCMRWF on the "NCMRWF Open-Day" and interact with the scientists Director (NCMRWF) Dr. Ashish Kumar Mitra, Dr. Abhijit Sarkar and Dr B Athiyaman and participate in the above mentioned activities.

Students also visited to the latest supercomputer at NCMRWF,Noida "MIHIR" is a Cray-XC40 LC [Liquid Cooled] System with 2320 nodes running Intel Xeon Broadwell E5-2695 processors with a peak performance of 2,806 TFLOPS and a total system memory of 290TB. The system is composed of 13 Compute cabinets and uses Cray's Aries NOC with Dragonfly Interconnect network topology. In addition,



the system consists of 12 Intel KNL 7210 accelerator nodes with a peak performance of 31.92 TFLOPS and a total memory of 1.1TB.







GPS Map Camera

**Noida, Uttar Pradesh, India**

A-50, Paramahansa Yogananda Road, Institutional Area, Sector-62,  
Block A, Industrial Area, Sector 62, Noida, Uttar Pradesh 201309, India

Lat 28.625756°

Long 77.35995°

27/11/21 12:51 PM







Prasar

Go a/c

**Noida, Uttar Pradesh, India**

Paramahansa Yogananda Rd, Block B, Industrial Area, Sector 62,  
Noida, Uttar Pradesh 201309, India

Lat 28.82493°

Long 77.359647°

27/11/21 01:17 PM





Prasar



**Noida, Uttar Pradesh, India**

Paramahansa Yogananda Rd, Block B, Industrial Area, Sector 62,

Noida, Uttar Pradesh 201309, India

Lat 28.624867°

Long 77.359716°

27/11/21 02:42 PM

Olava Centre  
Google





Green  
allies



Google

GPS Map Camera

**Greater Noida, Uttar Pradesh, India**  
FF6W+52J, Knowledge Park II, Greater Noida, Uttar Pradesh  
201310, India  
Lat 28.480327°  
Long 77.495528°  
27/11/21 10:23 AM



**GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA**

**Attendance of Visit (27.11.2021)**

S. No.	Name of the Student	Year & Section	Signature	S. No.	Name of the Student	Year & Section	Signature
1	AADITYA TRIPATHI	3A	P	1	ALOK KUMAR SINGH	3B	P
2	AKASH KUMAR	3A	P	2	AMAN KUMAR MISHRA	3B	P
3	AKSHANSH GUPTA	3A	P	3	MANITA MISHRA	3B	P
4	AMAN TOMAR	3A	P	4	NITESH KUMAR	3B	P
5	ANSHU MISHRA	3A	P	5	RISHAV RAJ	3B	P
6	ANITKA SORANKI	3A	P	6	SANDEEP CHAUDHARY	3B	P
7	ANUJ MAURYA	3A	P	7	SAURABH KUMAR SINGH	3B	P
8	ASROK GUPTA	3A	P	8	SAURAV RAJ	3B	P
9	JYOTI GUPTA	3A	P	9	SHAHINAWAZ KHAN	3B	P
10	KUNJAN KUMAR PATHAK	3A	A	10	SHIKHA KUMARI	3B	A
11	MAAYUK SHARMA	3A	P	11	SHIKHA MISHRA	3B	A
12	MUHAMMAD ABUZZAID	3A	P	12	SHIVANSHI KUMAR	3B	P
13	MUHAMMAD SARTARAZ	3A	P	13	SONALI KUMARI	3B	P
14	MEHNAK GUPTA	3A	A	14	SUMIT KUMAR	3B	P
15	NISHANT KUMAR SINGH	3A	P	15	SUNIL KUMAR	3B	P
16	NITESH KUMAR KUSHWAHA	3A	P	16	SURAJ KUMAR	3B	P
17	PRADYUMN MISHRA	3A	P	17	UTKARSH KUMAR VARSHNEY	3B	P
18	PARTH BHARDWAJ	3A	P	18	SHIKHA MISHRA	3B	P
19	ARSHAD AFZALQUE SAIBI	3A	A	19	SEHVAM PANDEY	3B	P
20	ASHISH KUMAR	3A	A	20	SHIVAM SHUKLA	3B	P
21	ASROK GUPTA	3A	P	21	SHIVANSHI KUMAR	3B	P
22	AYUSH KUMAR	3A	P	22	SHIVANSHI SRIVASTAVA	3B	P
23	AYUSH KUMAR YADAV	3A	P	23	SHREY SINGH	3B	P
24	AYUSH SHEKHAR	3A	P	24	SHUBHAM KUMAR	3B	P
25	AYUSHMAN BHARDWAJ	3A	P				
26	DINESH MISHRA	3A	P				
27	FARHAN ALI	3A	P				


  
 Director


  
 Prof. Vikas Agrawal

**DEPARTMENT OF INFORMATION TECHNOLOGY**

Ref: - No. GNIOT/IT/ODD/Events/05

Date: 22.10.2021

**NOTICE**

This is to inform the students that as per the academic calendar the department is organizing the events for the current semester, continuing the same practice you are all informed that an event is being organized "Industrial visit" is scheduled on 26.10.2021 from 9:30 -5 PM.

The students are requested to present in full strength and take the maximum benefit of the visit.

  
Prof. Vikas Singh  
HOD-IT

*Industrial visit*

**26 OCT2021**  
**(11:00 AM to 2:00PM)**

**PROGRAMME REPORT**

*Organized by*  
*Information Technology*



Institution's Innovation Council

**Greater Noida Institute of  
Technology (Engg.Institute)**

(An Initiative of Ministry of Education, Govt. of India)  
Knowledge park-II, Greater Noida- 201308  
[www.gniot.net.in](http://www.gniot.net.in)



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**ACTIVITY REPORT**

**Name of Event:- INDUSTRIAL VISIT at TRAINING BASKET, ITHUM TOWER NOIDA Sec-62, Noida**

**Date & Time of Event:- 26.10.2021 from 10:30 -4:00 PM**

Today on dated 26/10/2021 Department of Information Technology (Greater Noida Institute of technology, Greater Noida) is organised an industrial visit for Third Year Students of the Deptt. at Training Basket Pvt. Ltd, Noida.

TRAINING BASKET is among the largest and most experienced Development organizations established in 2013 to promote IT Technologies to exchange around the world through various programs and services including fellowship / Internship and Project management, Software, Website Android and Digital Marketing Services.

It was a great experience for our students; this will definitely provide the better understanding and way of success for their upcoming career.

**Schedule for Industrial Visit**

- 1.) Session will Start at - 11:00
- 2.) Company Project Discussion - 11:00 to 11:15 pm
- 3.) Data Science with AI - 11:15 to 12:10 pm
- 4.) Network Security/ Machine Learning -12:15 pm to 1:00 pm
- 5.) Technical Awareness about running Projects 1:00 to 1:15 pm
- 6.) Company Infrastructure Visit (Real Server, Labs, Real Cisco Equipment, Live Project, etc )

Industrial Visit's main focus will be on Industry oriented technologies Like Machine Learning, Deep Learning, AWS Cloud Computing & Some Placement opportunities in Corporate,









Noida Electronic City



**Noida, Uttar Pradesh, India**

C-211, Tower-C I-Thum, A40, Block A, Industrial Area, Sector 62,  
Noida, Uttar Pradesh 201301, India

Lat 28.627152°

Long 77.372432°

26/10/21 03:08 PM

GPS Map Camera



**Ghaziabad, Uttar Pradesh, India**

178, Railway Station Road Bhur Bharat Nagar, Block A, Industrial  
Area, Vijay Nagar, Ghaziabad, Uttar Pradesh 201009, India

Lat 28.627568°

Long 77.372322°

26/10/21 03:15 PM

GPS Map Camera





**GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA**

**Attendance of Visit (26.10.2021)**

S. No.	Name of the Student	Year & Section	Signature	S. No.	Name of the Student	Year & Section	Signature
1	AADRIYA TRIPATHI	3A	<i>P</i>	1	ALOK KUMAR SINGH	3B	<i>P</i>
2	AKASH KUMAR	3A	<i>P</i>	2	AMAN KUMAR MISHRA	3B	<i>P</i>
3	AKSHANSHI GUPTA	3A	<i>P</i>	3	MAAMTA MISHRA	3B	<i>A</i>
4	AMAN TOMAR	3A	<i>P</i>	4	NIITESH KUMAR	3B	<i>P</i>
5	ANNU MISHRA	3A	<i>P</i>	5	RISHAV RAJ	3B	<i>A</i>
6	ANUSHA SORANSKI	3A	<i>P</i>	6	SANDEEP CHAUDHARY	3B	<i>P</i>
7	ANU MALIYA	3A	<i>P</i>	7	SALURAJI KUMAR SINGH	3B	<i>P</i>
8	ASHOK GUPTA	3A	<i>P</i>	8	SALURAV RAJ	3B	<i>P</i>
9	JYOTI GUPTA	3A	<i>P</i>	9	SHAHINAWAZ KHAN	3B	<i>P</i>
10	KUNJAN KUMAR PATTIAR	3A	<i>P</i>	10	SHIKHA KUMARI	3B	<i>A</i>
11	MAYUR NEARMA	3A	<i>P</i>	11	SHIKHA MISHRA	3B	<i>A</i>
12	MUBHAMMAD ABU ZAHID	3A	<i>P</i>	12	SHIVANSHI KUMAR	3B	<i>P</i>
13	MUBHAMMAD SABIH RAZ	3A	<i>P</i>	13	SONSALI KUMARI	3B	<i>P</i>
14	MUSKAN GUPTA	3A	<i>P</i>	14	SUMIT KUMAR	3B	<i>P</i>
15	NISJANT KUMAR SINGH	3A	<i>P</i>	15	SUNIL KUMAR	3B	<i>P</i>
16	NIITESH KUMAR KUSHWAHIA	3A	<i>P</i>	16	SURAJ KUMAR	3B	<i>P</i>
17	PRAJWAL MISHRA	3A	<i>P</i>	17	LITKARSHI KUMAR VARSHNEY	3B	<i>P</i>
18	PARUL BIHARDWAJ	3A	<i>P</i>	18	SHIKHA MISHRA	3B	<i>P</i>
19	ARSHAD AFAQUE SAIBRI	3A	<i>P</i>	19	SHIVAM PANDIY	3B	<i>P</i>
20	ASHISH KUMAR	3A	<i>P</i>	20	SHIVAM SHUKLA	3B	<i>P</i>
21	ASHOK GUPTA	3A	<i>P</i>	21	SHIVANSHI KUMAR	3B	<i>P</i>
22	AYUSH KUMAR	3A	<i>P</i>	22	SHIVANSHI SRIVASTAVA	3B	<i>P</i>
23	AYUSH KUMAR YADAV	3A	<i>P</i>	23	SHREY SINGH	3B	<i>P</i>
24	AYUSH SHIKHAR	3A	<i>P</i>	24	SHUBHAM KUMAR	3B	<i>P</i>
25	AYUSHMAN BIHARDWAJ	3A	<i>P</i>				
26	DINESH MISHRA	3A	<i>P</i>				
27	FARIHAN ALI	3A	<i>P</i>				



Signature of HOD  
Prof. Vijay Singh

**DEPARTMENT OF INFORMATION TECHNOLOGY**

Ref: - No. GNIOT/IT/odd /Events/04

Date: 10.11.2022

**NOTICE**

This is to inform the students that as per the academic calendar the department are organizing the events for the current semester, continuing the same practice you are all informed that an event is being organized; Internship and Placement outside the college is scheduled on 11.11.2022 from 11:00 AM - 1:00 PM.

The students are requested to present in full strength and take the maximum benefit of the expert talk.



Prof. Vikas Singhal





Department of Information Technology

Is Organising

..... EXPERT TALK .....



Rifik Ramuka

Upcoming Software Engineer @Microsoft

Vikash Tiwary



Co-Founder & Software Engineer @Perplexed



Prof. Dr. Dhiraj Gupta  
Director



Prof. Vikash Tiwari  
PGD, IT



Ms. Meenu Sharma  
Assistant Professor

Plot No. 7, Knowledge Park II, Greater Noida, Uttar Pradesh 201310 Phone: 1800 274 6969



*Expert talk on*

*"Internship and Placement outside the college"  
(2:30 PM to 4:30 PM)*

## PROGRAMME REPORT

*11 November 2022*

*Organized by*



Information and Technology (IT)

### **Greater Noida Institute of Technology (GNIOT)**

(An Initiative of Ministry of Education, Govt. of  
India) Knowledge park-II, Greater Noida- 201308  
[www.gniot.net.in](http://www.gniot.net.in)



**COURSE No. & TITLE:**

- Internship and placement outside the college .

**PARTICIPANTS:**

All IT Engineering Students & Faculty members

**OBJECTIVES:**

- To help the students understand the concept of Internship
- To enrich the participants with the techniques of Emerging technology
- To provide details of Internship and placement outside the college

**Expert: Mr.Vikas and Mr.Ritik**



**Profile of the Expert**

- Ritik Ramuka is a Product Engineer & Instructor  
@BossCoder Upcoming Software Engineer @Microsoft Ex- SWE  
Intern @Microsoft Ex:- Product Engineer and BlockChain team  
lead and Instructor @PepCoding EX:- Product Manager  
@AccioJobs
- Vikash Tiwary Present Experience :- 1) Co-Founder & Software  
Engineer (@ Perplexed 2) Freelance Instructor (DSA & Web



Dev) @ AccioJobs 3) Content & Marketing @Singh in USHarnoor

## Report

“ Internship and placement outside the college”



The Department of Information Technology has organized an Expert talk on “Internship and placement outside the college” on 11th November, 2022 from 2:30 Pm to 4:30 pm.

The resource person of this session was Mr. Ritik Ramuka. Ritik Ramuka is a Product Engineer & Instructor @BossCoder Upcoming Software Engineer @Microsoft Ex- SWE Intern @Microsoft Ex:- Product Engineer and BlockChain team lead and Instructor @PepCoding EX:- Product Manager @AccioJobs and Mr. Vikash Tiwary Present Experience :- 1) Co-Founder &





Software Engineer @ Perplexed 2) Freelance Instructor (DSA & Web Dev) @ AccioJobs 3) Content & Marketing @Singh in USHarnoor



The aim of this Talk was to improve the awareness of the internship and placement outside the campus and what we prepared related to placement for Second & Third year students. This talk helped the students to enhance their knowledge .





The event was hosted by Ms. Megha Sharma who highlighted the GNIOT USPs, Management and the respected Director Dr. Dhiraj Gupta sir and thereafter invited Prof. Vikas Signal, HoD-IT. Prof. Vikas Singhal (HOD-IT) welcomed the Speaker, and thanked the speaker for sparing her valuable time to enrich the students. Mr Ritik Ramuka and Mr.Vikas Tiwary spoke about the relevance of the topic in internship and placement . The Event was Hosted by Ms.Megha sharma (Assistant Professor, IT) and vote of thanks by Ms.Anuradha (Assistant Professor, IT). The session was attended by more than 40 students and all faculty members of IT.

The Event was backed -up from the participant end with an interactive Question and Answer session. The session was very Intellectual, fruitful and Interactive.

### **Outcome of the Program**

1. Students gained experience of Emerging technology.
2. It helped in enhancing innovative skills.
3. Participants got a clear idea about how to be aware of this internship .

Youtube link:



## GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA

### Attendance of Internship and placement (11.11.2022)

S. No.	Name of the Student	Year &	Signature	S. No.	Name of the Student	Year &	Signature
1	ADNAN AHMAD KHAN	2A		1	SHIKHA KUMARI	2B	
2	AKASH KUMAR	2A		2	PRIYANSH	2B	
3	AKSHANSH GUPTA	2A		3	MAMTA MISHRA	2B	
4	ALOK RANJAN	2A		4	SANDEEP CHAUDHARY	2B	
5	AMAN RAI	2A		5	GAURAV SINGH	2B	
6	AMAN TOMAR	2A		6	SONALI KUMARI	2B	
7	AMAR PAL SINGH	2A		7	VIVEK HERENJ	2B	
8	AMIT OJHA	2A		8	ALOK KUMAR SINGH	2B	
9	AMIT VERMA	2A		9	AMAN KUMAR MISHRA	2B	
10	ANKIT MISHRA	2A		10	IMRAN AKHTAR	2B	
11	ANNU MISHRA	2A		11	MD BELAL NADEEM	2B	
12	ANSHU KUMAR UPADHYAY	2A		12	PUNIT KUMAR KAUSHIK	2B	
13	ANTIMA SOLANKI	2A		13	PURSHARTH CHAUDHARY	2B	
14	ANUJ MAURYA	2A		14	RAHUL KRISHNA	2B	
15	APOORV SHARMA	2A		15	RISHABH SINGH	2B	
16	ARPIT KUMAR	2A		16	RISHAV MISHRA	2B	
17	ARSHAD AFAQUE SABRI	2A		17	RISHAV RAJ	2B	
18	ASHISH KUMAR	2A		18	RITIK RAJ	2B	
19	ASHOK GUPTA	2A		19	RUPESH KUMAR PRASAD	2B	
20	AYUSH KUMAR	2A		20	SAJAL KUMAR	2B	
21	AYUSH KUMAR YADAV	2A		21	SAKSHAM SRIVASTAVA	2B	
22	AYUSH SHEKHAR	2A		22	SAURABH KUMAR SINGH	2B	
23	AYUSHMAN BHARDWAJ	2A		23	SAURAV RAJ	2B	
24	DINESH MISHRA	2A					
25	FARHAN ALI	2A					
26	GAURAV DRYANI	2A					
27	GAURAV PANDEY	2A					



Signature of HOD  
Prof. Vikas Singhal

**GREATER NOIDA INSTITUTE OF TECHNOLOGY, GREATER NOIDA**

**Attendance of Internship and placement (11.11.2022)**

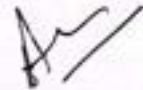
S. No.	Name of the Student	Year & Section	Signature
1	ASHISH RAJ	3A	P
2	SHUBHAM YADAV	3A	P
3	SUMANT SINGH	3A	P
4	BITTU KUMAR	3A	P
5	DUSHYANT BHATI	3A	P
6	NILOTPAL YADAV	3A	P
7	SHIVA YADAV	3A	P
8	PRIYANKA	3A	P
9	DIVYANSH SINGH	3A	P
10	AMIT KUMAR SINGH	3A	P
11	NIKHIL KUMAR	3A	P
12	LALAN KUMAR	3A	P
13	AMANAT ANAND	3A	P
14	NIKHIL PATHAK	3A	P
15	SAURABH KUMAR	3A	P
16	PRAVISH BHARDWAJ	3A	P
17	AYUSH PRATAP	3A	P
18	ABHINAV ANAND	3A	P
19	ANCHAL KUMAR	3A	P
20	SIDDHARTH SINGH	3A	P
21	NITIN SRIVASTAVA	3A	P
22	ANOOP DIXIT	3A	P
23	ASTHA JAISWAL	3A	P
24	RAVI RANJAN	3A	P
25	VIDYANSHU KUMAR	3A	P
26	MADHU MITA	3A	P

S. No.	Name of the Student	Year & Section	Signature
1	SUNIL KUMAR	3B	P
2	DEVENDRA PRATAP SINGH	3B	P
3	MANISH KUMAR SINGH	3B	P
4	PRIYANSHU PRIYA	3B	P
5	VIKASH TIWARY	3B	P
6	SAYEED AHMAD	3B	P
7	PAWAN KUMAR	3B	P
8	RAHUL KUMAR	3B	P
9	SMRITI JHA	3B	P
10	MOHD. SHABIB RAZA	3B	P
11	BANTI CHAUHAN	3B	P
12	YASIR MOHAMMAD ZAFIR	3B	P
13	RAHUL BHARDWAJ	3B	P
14	SUMIT RAJ	3B	P
15	NAMAN CHANDRA	3B	P
16	AYUSH SRIVASTAVA	3B	P
17	CHIRAG GUPTA	3B	P
18	ABHAY KUMAR MISHRA	3B	P
19	PARAS CHAUHAN	3B	P
20	SUYASH KUMAR PANDEY	3B	P
21	MD.MERAJ RAZA HASHMI	3B	P
22	KUMAR PIYUSHAM	3B	P
23	ASHISH KUMAR JHA	3B	P
24	AMIT KUMAR SINGH	3B	P
25	ASIT SINGH	3B	P
26	MAHAK AGARWAL	3B	P
27	SHIVAM CHAUHAN	3B	P
28	AVNISH VERMA	3B	P
29	PUSHKAR RAJ SONI	3B	P
30	ROHIT PRASAD	3B	P

Signature of HOD  
Prof. Vikas Singhal



Greater Noida Institute of Technology, Greater Noida			
Department of Computer Science & Engineering			
Expert Lecture, Workshops and Industrial Visit (2021-22)			
Sr. No.	Year	Name of Event	Date
1	2021-22	Intellectual Property (IP) Literacy	28th Sep, 2021
2	2021-22	introduction to RPA	22nd Feb, 2022
3	2021-22	Motivational Session for Successful Entrepreneurs	16th March, 2022
4	2021-22	coding competition	25th March, 2022
5	2021-22	Business model canvas(BMC)	11 <sup>th</sup> June, 2022





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref: - No. GNIOT/CSE/ODD/Events/01

Date: 24.09.2021

NOTICE

This is to inform all the students that as per the academic calendar the department are organizing events for the current semester, continuing the same practice you all are informed that **an event** is being organized on "Intellectual Property (IP) Literacy" on 28<sup>th</sup> September 2021.

The students are requested to Present in full strength and take the maximum benefits of the workshop



**An Event  
on**

**“Intellectual Property (IP) Literacy”**

**28<sup>th</sup> Sep, 2021  
(10:00 AM to 12:35 PM)**

**Organized by  
Department of Computer Science and Engineering**



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of Education initiative)



**Institution's Innovation Council**



(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh-201310  
0120-2328214/15/16 | 1800 274 6969 | director@gniot.net.in | www.gniot.net.in

**An Event on**  
**"IP(Intellectual property) Literacy"**

**28 September, 2021**  
**(10:00AM to 12:35PM)**

**PROGRAMME REPORT**

**Organized by**  
**Department of Computer Science and Engineering**



**INSTITUTION'S  
INNOVATION  
COUNCIL**

(Ministry of Education Initiative)



**Greater Noida Institute of  
Technology (GNIOT)**

**(An Initiative of Ministry of Education, Govt. of India)**  
**Knowledge park-II, Greater Noida- 201308**

**[www.gniot.net.in](http://www.gniot.net.in)**





**EVENT TITLE:**

"Intellectual Property (IP) Literacy"

**PARTICIPANTS:**

All CSE Engineering Students & Faculty members.

**OBJECTIVES:**

- To sensitize the clusters about Intellectual Property Right and their protection.
- To identify protectable innovations.
- To create awareness among students about various aspects of IPR-emerging issues like public health, climate, domain name disputes and cyber-squatting.
- To suggest steps for transforming innovations into proprietary assets.
- Utilize the IP information in their business development

**Speaker of the Event:****Profile of the Speaker:**

- He is having experience of more than a decade in a broad range of Intellectual Property subject matters.
- He is an Advocate, Registered Patent Agent (India), Master's in Information Technology and holds B. Tech in Computer Science.
- He worked extensively in the area of IP and business strategy development and became known face in domain of build-up patent portfolio development and management.

**Report**

"Intellectual Property (IP) is the fuel that powers the engine of prosperity, fostering invention and innovation."

CSE Department has organized an event on IP Literacy on 28<sup>th</sup> Sep, 2021.

The main aim of this event is to tell importance of the Intellectual Property Rights.

- The speaker also denoted the protection of our innovations and creativity through IPR.

- The emerging buddies of our India has to produce and safeguard their novel methodologies through IPR.
- The common people doing their small scale business also protect their product information and trade name & logos through trademark protection.

The event was attended by 55 students and all faculty members of CSE.

The students were very enthusiastic and eager to know about the IPR and also had given their best for the success of the programme. The participants had informative sessions and many participants had filed their products under IPR among their area.

#### Outcome of the Program

1. The students were able to understand the patent laws, historical development, and procedure for granting a patent, concept of trademark, trademark law and biopiracy.
2. IPRs are now being used not only as a tool to protect creativity and generate revenue but also to build strategic alliances for socio-economic and technological growth.



SNo.	**Univ.Roll	**Class	**Name	Attendance for Event
1	2001320100065	CSE 2 Year	JUNAID ALAM	P
2	2001320100004	CSE 2 Year	ABHIJIT ROY	P
3	2001320100075	CSE 2 Year	MEGHA KUMARI	P
4	2001320100141	CSE 2 Year	SUHAIB AHMAD	A
5	2001320100073	CSE 2 Year	MD TAUSIF KHAN	P
6	2001320100054	CSE 2 Year	GAURAV KARMAKAR	
7	2001320100110	CSE 2 Year	RISHABH SINGH	P
8	2001320100063	CSE 2 Year	JALAJ MISHRA	P
9	2001320100048	CSE 2 Year	DHIRAJ KUMAR	A
10	2001320100048	CSE 2 Year	DHIRAJ KUMAR	A
11	2001320100078	CSE 2 Year	MOHD ABUZAR SUHAIL	A
12	2001320100153	CSE 2 Year	UTKARSH GUPTA	A
13	2001320100086	CSE 2 Year	NITIN RAVI GAUTAM	A
14	2001320100024	CSE 2 Year	ANAND KUMAR	A
15	2001320100070	CSE 2 Year	KUNAL KUMAR	A
16	2001320100103	CSE 2 Year	RAJ ARYAN SHARMA	A
17	2001320100096	CSE 2 Year	PRASHANT PACHAURI	A
18	2001320100011	CSE 2 Year	ABHISHEK SRIVASTAV	A
19	2001320100113	CSE 2 Year	ROHIT KUMAR	A
20	2001320100082	CSE 2 Year	NIKHIL	A
21	2001320100163	CSE 2 Year	VISHAL YADAV	P
22	2001320100112	CSE 2 Year	RITIKA VERMA	A
23	2001320100107	CSE 2 Year	RANJEET KUMAR	A
24	2001320100152	CSE 2 Year	UJJWAL	A
25	2001320100099	CSE 2 Year	PRIYANKA SRIVASTAV	A
26	2001320100128	CSE 2 Year	SHANTANU SINGH	P
27	2001320100117	CSE 2 Year	SAKSHI CHAUHAN	A
28	2001320100170	CSE 2 Year	YUVRAJ	A
29	2001320100019	CSE 2 Year	AJIT KUMAR RAI	A
30	2001320100116	CSE 2 Year	SAHIL RAJ	P
31	2001320100085	CSE 2 Year	NIKITA YUGESHWAR	A
32	2001320100034	CSE 2 Year	ARPIT KUMAR	P
33	2001320100156	CSE 2 Year	UTKARSH SINGH	A
34	2001320100084	CSE 2 Year	NIKHIL SINGH	A
35	2001320100106	CSE 2 Year	RAJANISH KUMAR YADAV	A
36	2001320100149	CSE 2 Year	TANZIM ALAM	A
37	2001320100007	CSE 2 Year	ABHISHEK KUMAR PAL	A
38	2001320100155	CSE 2 Year	UTKARSH POSWAL	P
39	2001320100127	CSE 2 Year	SHALINI	P
40	2001320100016	CSE 2 Year	ADITYA RAJ PARASHAR	A
41	2001320100122	CSE 2 Year	SATYAM KUMAR	A
42	2001320100151	CSE 2 Year	TUSHAR MISHRA	P
43	2001320100038	CSE 2 Year	ASIT KUMAR	P
44	2001320100005	CSE 2 Year	ABHIMANYU GUPTA	P
45	2001320100088	CSE 2 Year	OM MISHRA	A
46	2001320100056	CSE 2 Year	GAURAV PANDEY	A
47	2001320100041	CSE 2 Year	AZHARUDDIN ALAM	A
48	2001320100121	CSE 2 Year	SANTOSH RAI	P
49	2001320100027	CSE 2 Year	ANKIT KUMAR	P
50	2001320100023	CSE 2 Year	AMRIT BHARDWAJ	P
51	2001320100013	CSE 2 Year	ADARSH SINGH	P
52	2001320100055	CSE 2 Year	GAURAV KUMAR DHARI	P



53	2001320100111	CSE 2 Year	RITESH KUMAR	A
54	2001320100134	CSE 2 Year	SOMIL SINGH	A
55	2001320100168	CSE 2 Year	YASH DIXIT	P
56	2001320100095	CSE 2 Year	PRASHANT KUMAR JHA	A
57	2001320100077	CSE 2 Year	MOHAMMAD TANVEER	A
58	2001320100142	CSE 2 Year	SUKESH RAJ PANDEY	A
59	2001320100115	CSE 2 Year	SACHIN PRAJAPATI	A
60	2001320100104	CSE 2 Year	RAJA KUMAR	A
61	2001320100135	CSE 2 Year	SONAL PRASAD	A
62	2001320100021	CSE 2 Year	AKSHAT ISHAN	A
63	2001320100022	CSE 2 Year	AMAAN KHAN	A
64	2001320100042	CSE 2 Year	BALMIKI KUMAR	P
65	2001320100083	CSE 2 Year	NIKHIL RAJ	A
66	2001320100165	CSE 2 Year	VIVEK KUMAR VIMAL	A
67	2001320100026	CSE 2 Year	ANJILA CHOUDHARY	A
68	2001320100074	CSE 2 Year	MD RAIYAN AZAM	P
69	2001320100032	CSE 2 Year	ANURAG YADAV	A
70	2001320100015	CSE 2 Year	ADITYA KUMAR SINGH	A
71	2001320100132	CSE 2 Year	SHUBHAM KUMAR	A
72	2001320100154	CSE 2 Year	UTKARSH JOHARI	A
73	2001320130035	CSE 2 Year	BHASKAR KUMAR	A
74	2001320100003	CSE 2 Year	ABHAY SHUKLA	P
75	2001320100094	CSE 2 Year	PRANJAL RAI	A
76	2001320100009	CSE 2 Year	ABHISHEK PANDEY	A
77	2001320100098	CSE 2 Year	PRERNA SINGH	A
78	2001320100040	CSE 2 Year	AYUSH SINGH	P
79	2001320100123	CSE 2 Year	SATYAM RAJ	A
80	2001320100067	CSE 2 Year	KAUSHIK RAJ	A
81	2001320100068	CSE 2 Year	KHUSHI MAHESHWARI	A
82	2001320100047	CSE 2 Year	DEVESH BHASKAR	A
83	2001320100162	CSE 2 Year	VISHAL KUMAR	A
84	2001320100006	CSE 2 Year	ABHISHEK JAISWAL	A
85	2001320100031	CSE 2 Year	ANURAG SUMAN	P
86	2001321550042	CSE 2 Year	RUZUL SHARMA	P
87	2001320100039	CSE 2 Year	AVNEESH KAUSHIK	P
88	2001320100171	CSE 2 Year	ZAHRA TAUQIR	A
89	2001320100014	CSE 2 Year	ADIL KHAN	A
90	2001320100035	CSE 2 Year	ASHISH KUMAR	A
91	2001320100058	CSE 2 Year	HARSH MISHRA	A
92	2001320100049	CSE 2 Year	DHIRENDRA KUMAR OJHA	A
93	2001320100160	CSE 2 Year	VIKAS LAWANIYA	A
94	2001320100033	CSE 2 Year	ARJUN YADAV	A
95	2001320100080	CSE 2 Year	NAINCY YADAV	A
96	2001320100089	CSE 2 Year	PALAK GUPTA	A
97	2001320100002	CSE 2 Year	AAYUSH KUMAR	P
98	2001320100125	CSE 2 Year	SAURAV SHARMA	P
99	2001320100046	CSE 2 Year	DEEPIKA MAURYA	P
100	2001320100119	CSE 2 Year	SANTOSH CHAURASIYA	A
101	2001320100017	CSE 2 Year	ADITYA RAJ SINGH	A
102	2001320100072	CSE 2 Year	MAYANK KASHYAP	A
103	2001320100137	CSE 2 Year	STUTI TIWARI	A
104	2001320100053	CSE 2 Year	FAYEZ GHUFRAN	P
105	2001320100012	CSE 2 Year	ABOU HAMID	A
106	2001320100028	CSE 2 Year	ANKIT KUMAR GUPTA	P



107	2001320100018	CSE 2 Year	AJAY KUMAR YADAV	P
108	2001320100079	CSE 2 Year	MUFTAHUDDIN	P
109	2001320100059	CSE 2 Year	HARSH MORESHWAR DAMBHARE	P
110	2001320100051	CSE 2 Year	DIGVIJAY SINGH	A
111	2001320100091	CSE 2 Year	PIYUSH KUMAR MISHRA	A
112	2001320100146	CSE 2 Year	SURAJ PRATAP SINGH TANGAR	A
113	2001320100020	CSE 2 Year	AKASH BHARDWAJ	P
114	2001320100102	CSE 2 Year	RAHUL SINGH	P
115	2001320100043	CSE 2 Year	BHAVANA PRATI HAR	A
116	2001320100124	CSE 2 Year	SAURABH KUMAR OJHA	A
117	2001320100037	CSE 2 Year	ASHUTOSH KUMAR	A
118	2001320100114	CSE 2 Year	SACHIN KUMAR	A
119	2001320100105	CSE 2 Year	RAJEEV SAXENA	A
120	2001320100161	CSE 2 Year	VIKAS SINGH	A
121	2001320100143	CSE 2 Year	SUNIL SAHANI	A
122	2001320100138	CSE 2 Year	SUBHAM TRIPATHI	P
123	2001320100108	CSE 2 Year	RAUSHAN KUMAR UPADHYAY	P
124	2001320100147	CSE 2 Year	SURAJ YADAV	A
125	2001320100169	CSE 2 Year	YASH VARMA	A
126	2001320100118	CSE 2 Year	SAMAKSH SUNDRIYAL	A
127	2001320100140	CSE 2 Year	SUDARSHAN YADAV	A
128	2001320100148	CSE 2 Year	SUSHANT DUBEY	P
129	2001320100036	CSE 2 Year	ASHUTOSH BIND	A
130	2001320100158	CSE 2 Year	KM.VARSHA SINGH	A
131	2001320100090	CSE 2 Year	PANKAJ KUMAR	P
132	2001320100150	CSE 2 Year	TARUN RAWAT	P
133	2001320100092	CSE 2 Year	PRAKHAR BHADAURIYA	A
134	2001320100120	CSE 2 Year	SANTOSH MISHRA	A
135	2001320100087	CSE 2 Year	NITISH KUMAR SINGH	P
136	2001320100076	CSE 2 Year	MOH SHADAB	A
137	2001320100071	CSE 2 Year	MANSI GUPTA	A
138	2001320100131	CSE 2 Year	SHRUTI JHA	A
139	2001320100129	CSE 2 Year	SHASHANK MISHRA	P
140	2001320100145	CSE 2 Year	SURAJ KUMAR SHARMA	A
141	2001320100052	CSE 2 Year	EDISON	P
142	2001320100064	CSE 2 Year	JITENDRA SINGH	A
143	2001320100066	CSE 2 Year	KARAN RAJ SINGH VERMA	A
144	2001320100057	CSE 2 Year	HARSH KUMAR	A
145	2001320100050	CSE 2 Year	DHRUV RAJPUT	P
146	2001320100001	CSE 2 Year	AARIFA	A
147	2001320130061	CSE 2 Year	PIYUSH MISHRA	A
148	2001320100164	CSE 2 Year	VISHWAJEET SINGH	A
149	2001320100010	CSE 2 Year	ABHISHEK SAXENA	A
150	2001320100030	CSE 2 Year	ANSHUL SHARMA	P
151	2001320100081	CSE 2 Year	NEHA KUMARI	P
152	2001320100100	CSE 2 Year	RAGHAV TIWARI	A
153	2001320100045	CSE 2 Year	DEEPAK SINGH	A
154	2001320100093	CSE 2 Year	PRAMANSHU SINGH	P
155	2001320100069	CSE 2 Year	KM.TRIPTI MISHRA	A
156	2001320100101	CSE 2 Year	RAHUL RATHOUR	A
157	2001320100130	CSE 2 Year	SHIVAM MISHRA	A
158	2001320100061	CSE 2 Year	HIMESH MISHRA	P
159	2001320100167	CSE 2 Year	YADURAJ RANJAN	A
160	2001320100008	CSE 2 Year	ABHISHEK KUMAR	A



161	2001320100060	CSE 2 Year	HIMANSHI NEGI	P
162	2001320100166	CSE 2 Year	VIVEK KUMAR TIWARI	A
163	2001320100097	CSE 2 Year	PRASHU SINGH	A
164	2001320130095	CSE 2 Year	SURAJ DUBEY	A
165	2001320100159	CSE 2 Year	VASU PANDEY	A
166	2001321530050	CSE 2 Year	SAMYAK JAIN	A
167	2001320100062	CSE 2 Year	HONEY KUMAR	A
168	2001320100109	CSE 2 Year	RISHABH KUMAR RAI	A
169	2001320100029	CSE 2 Year	ANSHUL	P
170	2001320100025	CSE 2 Year	ANAND PRAKASH SINGH	A
171	2101320109007	CSE 2 Year	PRAKASH KUMAR	P
172	2101320109012	CSE 2 Year	SHIVAM SINGH	A
173	2101320109008	CSE 2 Year	PRAPHUL KUMAR	A
174	2101320109010	CSE 2 Year	RISIC THAPLIYAL	A
175	2101320109014	CSE 2 Year	SIMRAN RAJ	P
176	2101320109005	CSE 2 Year	KM KARISHMA VERMA	P
177	2101320109013	CSE 2 Year	SHUBHAM KUMAR	P
178	2101320109011	CSE 2 Year	SHAIQUA TAJ	A
179	2101320109004	CSE 2 Year	DIVYANSH SINGH	A
180	2101320109009	CSE 2 Year	RAUNAK SINGH	A
181	2101320109003	CSE 2 Year	ASHISH KUMAR SINGH	A
182	2101320109002	CSE 2 Year	ASHISH KUMAR SHARMA	A
183	2101320109015	CSE 2 Year	SYED AMAN HASAN	P
184	2101320109016	CSE 2 Year	TANYA	A
185	2101320109006	CSE 2 Year	PRADEEP KUMAR	A
186	2101320109001	CSE 2 Year	ADITYA SINGH	P



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Ref: - No. GNIOT/CSE/EVEN/Events/02

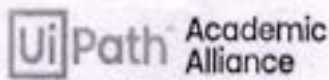
Date: 20.02.2022

**NOTICE**

This is to inform all the students that as per the academic calendar the department are organizing EXPERT TALK for the current semester, continuing the same practice you all are informed that EXPERT TALK is being organized on "introduction to RPA" on 22<sup>nd</sup> February 2022.

The students are requested to Present in full strength and take the maximum benefits of the workshop

  
Greater Noida Institute of Technology  
Director  
Greater Noida  
HOD-CSE



## DEPTT. OF COMPUTER SCIENCE & ENGINEERING

IS ORGANIZING

Expert talk on

# Introduction to RPA



**RESOURCE PERSON**

**Mr. Basavadarshan G N**

Program Manager  
Learning Alliances



**Dr. Dhiraj Gupta**  
(Director)



**Dr. Rajdev Tiwari**  
HOD (CSE)

Tuesday 22<sup>nd</sup>, February 2022 | 11:30 AM

Online  
Platform



Plot No. 7, Knowledge Park - II  
Greater Noida, Uttar Pradesh 201310

[www.gniotgroup.edu.in](http://www.gniotgroup.edu.in)







Possibilities are limitless, but time is not. Discover a better way to get things done by automating business processes across your organization through Robotic Process Automation(RPA). RPA is a software technology that makes it easy to build, deploy, and manage software robots that emulate humans' actions interacting with digital systems and software. The Department of Computer Science and Engineering, Greater Noida Institute of Technology (GNIOT) organized an expert talk on "Introduction to RPA" for students on 22ndFebruary, 2022 from 11:30 am to 12:50 pm. The invited speaker - Mr. Basavadarshan GN, leads the UiPath Academic Alliance program for Indian & SAARC countries had provided his valuable insights on Robotic Process Automation (RPA). He shared his experience in the development of process automation using Robots. The session was attended by more than 75 students and faculty members of CSE Department.





*[Handwritten Signature]*

Director  
Greater Noida  
Greater Noida

22 Feb

SNo.	**Univ.Roll	**Class	**Name	Attendance for Event
1	2001320100065	CSE 2 Year	JUNAID ALAM	A
2	2001320100004	CSE 2 Year	ABHIJIT ROY	A
3	2001320100075	CSE 2 Year	MEGHA KUMARI	A
4	2001320100141	CSE 2 Year	SUHAIB AHMAD	A
5	2001320100073	CSE 2 Year	MD TAUSIF KHAN	A
6	2001320100054	CSE 2 Year	GAURAV KARMAKAR	A
7	2001320100110	CSE 2 Year	RISHABH SINGH	P
8	2001320100063	CSE 2 Year	JALAJ MISHRA	A
9	2001320100048	CSE 2 Year	DHIRAJ KUMAR	P
10	2001320100048	CSE 2 Year	DHIRAJ KUMAR	A
11	2001320100078	CSE 2 Year	MOHD ABUZAR SUHAIL	A
12	2001320100153	CSE 2 Year	UTKARSH GUPTA	P
13	2001320100086	CSE 2 Year	NITIN RAVI GAUTAM	A
14	2001320100024	CSE 2 Year	ANAND KUMAR	P
15	2001320100070	CSE 2 Year	KUNAL KUMAR	A
16	2001320100103	CSE 2 Year	RAJ ARYAN SHARMA	A
17	2001320100096	CSE 2 Year	PRASHANT PACHAURI	P
18	2001320100011	CSE 2 Year	ABHISHEK SRIVASTAV	A
19	2001320100113	CSE 2 Year	ROHIT KUMAR	A
20	2001320100082	CSE 2 Year	NIKHIL	D
21	2001320100163	CSE 2 Year	VISHAL YADAV	D
22	2001320100112	CSE 2 Year	RITIKA VERMA	P
23	2001320100107	CSE 2 Year	RANJEET KUMAR	P
24	2001320100152	CSE 2 Year	UJJWAL	A
25	2001320100099	CSE 2 Year	PRIYANKA SRIVASTAV	P
26	2001320100128	CSE 2 Year	SHANTANU SINGH	A
27	2001320100117	CSE 2 Year	SAKSHI CHAUHAN	A
28	2001320100170	CSE 2 Year	YUVRAJ	A
29	2001320100019	CSE 2 Year	AJIT KUMAR RAI	A
30	2001320100116	CSE 2 Year	SAHIL RAJ	P
31	2001320100085	CSE 2 Year	NIKITA YUGESHWAR	A
32	2001320100034	CSE 2 Year	ARPIT KUMAR	A
33	2001320100156	CSE 2 Year	UTKARSH SINGH	P
34	2001320100084	CSE 2 Year	NIKHIL SINGH	A
35	2001320100106	CSE 2 Year	RAJANISH KUMAR YADAV	P
36	2001320100149	CSE 2 Year	TANZIM ALAM	A
37	2001320100007	CSE 2 Year	ABHISHEK KUMAR PAL	A
38	2001320100155	CSE 2 Year	UTKARSH POSWAL	P
39	2001320100127	CSE 2 Year	SHALINI	A
40	2001320100016	CSE 2 Year	ADITYA RAJ PARASHAR	A
41	2001320100122	CSE 2 Year	SATYAM KUMAR	P
42	2001320100151	CSE 2 Year	TUSHAR MISHRA	P
43	2001320100038	CSE 2 Year	ASIT KUMAR	P
44	2001320100005	CSE 2 Year	ABHIMANYU GUPTA	P
45	2001320100088	CSE 2 Year	OM MISHRA	A
46	2001320100056	CSE 2 Year	GAURAV PANDEY	A
47	2001320100041	CSE 2 Year	AZHARUDDIN ALAM	A
48	2001320100121	CSE 2 Year	SANTOSH RAI	A
49	2001320100027	CSE 2 Year	ANKIT KUMAR	A
50	2001320100023	CSE 2 Year	AMRIT BHARDWAJ	A
51	2001320100013	CSE 2 Year	ADARSH SINGH	A
52	2001320100055	CSE 2 Year	GAURAV KUMAR DHAR	A



22 Feb

53	2001320100111	CSE 2 Year	RITESH KUMAR	A
54	2001320100134	CSE 2 Year	SOMIL SINGH	A
55	2001320100168	CSE 2 Year	YASH DIXIT	A
56	2001320100095	CSE 2 Year	PRASHANT KUMAR JHA	A
57	2001320100077	CSE 2 Year	MOHAMMAD TANVEER	A
58	2001320100142	CSE 2 Year	SUKESH RAJ PANDEY	A
59	2001320100115	CSE 2 Year	SACHIN PRAJAPATI	A
60	2001320100104	CSE 2 Year	RAJA KUMAR	A
61	2001320100135	CSE 2 Year	SONAL PRASAD	P
62	2001320100021	CSE 2 Year	AKSHAT ISHAN	P
63	2001320100022	CSE 2 Year	AMAAN KHAN	P
64	2001320100042	CSE 2 Year	BALMIKI KUMAR	P
65	2001320100083	CSE 2 Year	NIKHIL RAJ	P
66	2001320100165	CSE 2 Year	VIVEK KUMAR VIMAL	P
67	2001320100026	CSE 2 Year	ANJILA CHOUDHARY	A
68	2001320100074	CSE 2 Year	MD RAIYAN AZAM	P
69	2001320100032	CSE 2 Year	ANURAG YADAV	P
70	2001320100015	CSE 2 Year	ADITYA KUMAR SINGH	P
71	2001320100132	CSE 2 Year	SHUBHAM KUMAR	A
72	2001320100154	CSE 2 Year	UTKARSH JOHARI	A
73	2001320130035	CSE 2 Year	BHASKAR KUMAR	A
74	2001320100003	CSE 2 Year	ABHAY SHUKLA	A
75	2001320100094	CSE 2 Year	PRANJAL RAI	A
76	2001320100009	CSE 2 Year	ABHISHEK PANDEY	A
77	2001320100098	CSE 2 Year	PRERNA SINGH	P
78	2001320100040	CSE 2 Year	AYUSH SINGH	A
79	2001320100123	CSE 2 Year	SATYAM RAJ	A
80	2001320100067	CSE 2 Year	KAUSHIK RAJ	P
81	2001320100068	CSE 2 Year	KHUSHI MAHESHWARI	A
82	2001320100047	CSE 2 Year	DEVESH BHASKAR	A
83	2001320100162	CSE 2 Year	VISHAL KUMAR	A
84	2001320100006	CSE 2 Year	ABHISHEK JAISWAL	P
85	2001320100031	CSE 2 Year	ANURAG SUMAN	A
86	2001321550042	CSE 2 Year	RUZUL SHARMA	A
87	2001320100039	CSE 2 Year	AVNEESH KAUSHIK	A
88	2001320100171	CSE 2 Year	ZAHRA TAUQIR	A
89	2001320100014	CSE 2 Year	ADIL KHAN	A
90	2001320100035	CSE 2 Year	ASHISH KUMAR	A
91	2001320100058	CSE 2 Year	HARSH MISHRA	A
92	2001320100049	CSE 2 Year	DHIRENDRA KUMAR OJHA	A
93	2001320100160	CSE 2 Year	VIKAS LAWANIYA	P
94	2001320100033	CSE 2 Year	ARJUN YADAV	A
95	2001320100080	CSE 2 Year	NAINCY YADAV	A
96	2001320100089	CSE 2 Year	PALAK GUPTA	A
97	2001320100002	CSE 2 Year	AAYUSH KUMAR	A
98	2001320100125	CSE 2 Year	SAURAV SHARMA	A
99	2001320100046	CSE 2 Year	DEEPIKA MAURYA	A
100	2001320100119	CSE 2 Year	SANTOSH CHAURASIYA	A
101	2001320100017	CSE 2 Year	ADITYA RAJ SINGH	A
102	2001320100072	CSE 2 Year	MAYANK KASHYAP	A
103	2001320100137	CSE 2 Year	STUTI TIWARI	A
104	2001320100053	CSE 2 Year	FAYEZ GHUFRAN	A
105	2001320100012	CSE 2 Year	ABOU HAMID	A
106	2001320100028	CSE 2 Year	ANKIT KUMAR GUPTA	A



22 Feb

SNo.	**Univ.Roll	**Class	**Name	Attendance for Event
1	1813210097	CS 3 YEAR(2nd Shift)	MRIDUL SHEKHAR TIWARI	A
2	1813210072	CS 3 YEAR(2nd Shift)	KARTIK TIWARI	P
3	1901320100035	CS 3 YEAR(2nd Shift)	ANUBHAV YADAV	P
4	1901320100117	CS 3 YEAR(2nd Shift)	PRIYA GUPTA	A
5	1901320100027	CS 3 YEAR(2nd Shift)	AMIR REJA	P
6	1901320100042	CS 3 YEAR(2nd Shift)	ASHUTOSH RANJAN	P
7	1901320100140	CS 3 YEAR(2nd Shift)	SATENDRA SINGH	P
8	1901320100151	CS 3 YEAR(2nd Shift)	SHIVAM RAGHAV	P
9	1901320100026	CS 3 YEAR(2nd Shift)	AMAN KUMAR	P
10	1901320100088	CS 3 YEAR(2nd Shift)	MANISH SINGH	P
11	1901320100078	CS 3 YEAR(2nd Shift)	KARAN PANDEY	A
12	1901320100006	CS 3 YEAR(2nd Shift)	ABHISHEK KUMAR	P
13	1901320100066	CS 3 YEAR(2nd Shift)	GAUTAM KUMAR	P
14	1901320100128	CS 3 YEAR(2nd Shift)	RIYA	P
15	1901320100025	CS 3 YEAR(2nd Shift)	AMAN SEHGAL	A
16	1901320100169	CS 3 YEAR(2nd Shift)	SURAJ RASTOGI	S
17	1901320100057	CS 3 YEAR(2nd Shift)	DHANAJAY UPADHAYAY	S
18	1901320100149	CS 3 YEAR(2nd Shift)	SHIVA KUMAR	P
19	1901320100157	CS 3 YEAR(2nd Shift)	SHIVANGI SHUKLA	P
20	1901320100131	CS 3 YEAR(2nd Shift)	RUDRANSH SHUKLA	P
21	1901320100051	CS 3 YEAR(2nd Shift)	CHETNA BHASIN	D
22	1901320100019	CS 3 YEAR(2nd Shift)	AKASH UPADHYAY	P
23	1901320100046	CS 3 YEAR(2nd Shift)	AYUSH RAJ	P
24	1901320100085	CS 3 YEAR(2nd Shift)	MADHUKAR SHARMA	P
25	1901320100188	CS 3 YEAR(2nd Shift)	ZAFAR IMAM	P
26	1901320100083	CS 3 YEAR(2nd Shift)	LAIBA TAHIR	P
27	1901320100022	CS 3 YEAR(2nd Shift)	ALOK KUMAR	P
28	1901320100180	CS 3 YEAR(2nd Shift)	VARUN SHARMA	P
29	1901320100081	CS 3 YEAR(2nd Shift)	FIZA NAZ	P
30	1901320100186	CS 3 YEAR(2nd Shift)	VISHAL PURI	P
31	1901320100104	CS 3 YEAR(2nd Shift)	NILESH KUMAR GUPTA	P
32	1901320100099	CS 3 YEAR(2nd Shift)	MUSKAN	P
33	1901320100089	CS 3 YEAR(2nd Shift)	MANISHA SHRISTI	P
34	1901320100034	CS 3 YEAR(2nd Shift)	ANKUL CHAUDHARY	P
35	1901320100086	CS 3 YEAR(2nd Shift)	MANDAL SATISH KANOO	P
36	1901320100020	CS 3 YEAR(2nd Shift)	AKHIL SHARMA	P
37	1901320100116	CS 3 YEAR(2nd Shift)	PRINCE PRABHAKAR	P
38	1901320100098	CS 3 YEAR(2nd Shift)	SINAM BANSAL	P
39	1901320100097	CS 3 YEAR(2nd Shift)	MOHAMMAD ASAD KAMAL	P
40	1901320100164	CS 3 YEAR(2nd Shift)	SUMAN KUMAR	P
41	1901320100072	CS 3 YEAR(2nd Shift)	HIMANSHI SADHWANI	P
42	1901320100144	CS 3 YEAR(2nd Shift)	SAURABH YADAV	P
43	1901320100101	CS 3 YEAR(2nd Shift)	NAVEEN SINGH	P
44	1901320100023	CS 3 YEAR(2nd Shift)	ALOK RANJAN	P
45	1901320100152	CS 3 YEAR(2nd Shift)	SHIVAM SINGH	P
46	1901320100111	CS 3 YEAR(2nd Shift)	PRASHANT KUMAR	P
47	1901320100160	CS 3 YEAR(2nd Shift)	SHUBHAM KUMAR CHOURASIA	P
48	1901320100159	CS 3 YEAR(2nd Shift)	SHIVI GUPTA	P
49	1901320100155	CS 3 YEAR(2nd Shift)	SHIVAM TIWARY	P
50	1901320100146	CS 3 YEAR(2nd Shift)	SHAHAN PERVEZ	P
51	1901320100067	CS 3 YEAR(2nd Shift)	HARSH KUMAR	P
52	1901320100012	CS 3 YEAR(2nd Shift)	ADARSH KUMAR	P



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Ref: - No. GNIOT/CSE/EVEN/Events/03

Date: 11.03.2022

**NOTICE**

This is to inform all the students that as per the academic calendar the department are organizing GUEST LECTURE for the current semester, continuing the same practice you all are informed that a GUEST LECTURE on " **Motivational Session for Successful Entrepreneurs**" is being organized on 16<sup>th</sup> March 2022.

The students are requested to Present in full strength and take the maximum benefits of the workshop



**Guest Lecture  
on**

**"Motivational session for successful entrepreneurs"**

**16<sup>th</sup> March, 2022  
(10:00 AM to 12:00 PM)**

**Organized by  
Department of Computer Science and Engineering**



**Institution's Innovation Council**



(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh-201310  
0120-2328214/15/16 | 1800 274 6969 | www.gniot.net.in



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Ref: - No. GNIOT/CSE/EVEN/Events/04

Date: 22.03.2022

**NOTICE**

This is to inform all the students that as per the academic calendar the department are organizing coding competition for the current semester, continuing the same practice you all are informed that coding competition is being organized on 25<sup>th</sup> March 2022.

The students are requested to Present in full strength and take the maximum benefits of the workshop





SNo.	**ID	**Univ.Roll	**Class	**Name	Attendance for Event
1	200056	2001320100054	CSE 2 Year	GAURAV KARMAKAR	
2	200240	2001320100084	CSE 2 Year	NIKHIL SINGH	P
3	200654	2001320100017	CSE 2 Year	ADITYA RAJ SINGH	P
4	2100114	2101320100078	CSE 2 Year	IPSHITA GUPTA	P
5	2100119	2101320100083	CSE 2 Year	KRISH JAIN	A
6	2100131	2101320100064	CSE 2 Year	GANESH PODDAR	A
7	2100169	2101320100067	CSE 2 Year	HARSH BANSAL	P
8	2100178	2101320100140	CSE 2 Year	SARTHAK	A
9	2100179	2101320100169	CSE 2 Year	SURYANSH PANDEY	A
10	2100181	2101320100087	CSE 2 Year	LASHIKA SHARMA	A
11	2100182	2101320100134	CSE 2 Year	SABEHA NAJIB	A
12	2100184	2101320100119	CSE 2 Year	PRATEEK RANA	P
13	2100186	2101320100133	CSE 2 Year	RUPESH YADAV	P
14	2100192	2101320100090	CSE 2 Year	MD MUJTABA HAIDER	P
15	2100194	2101320100148	CSE 2 Year	SHASHWAT PATHAK	P
16	2100195	2101320100089	CSE 2 Year	MANTHAN RAWAT	P
17	2100204	2101320100114	CSE 2 Year	PRAKHAR	P
18	2100217	2101320100152	CSE 2 Year	SHOURYA GAUR	A
19	2100225	2101320100057	CSE 2 Year	DEEPANSHI TOMAR	A
20	2100228	2101320100174	CSE 2 Year	UTTKARSH RAI	A
21	2100292	2101320100183	CSE 2 Year	YASH SINGH	A
22	2100303	2101320100070	CSE 2 Year	HARSH TIWARI	P
23	2100313	2101320100179	CSE 2 Year	VISHESH DHYANI	P
24	2100317	2101320100069	CSE 2 Year	HARSH SHARMA	P
25	2100334	2101320100176	CSE 2 Year	VANSHIKA GUPTA	P
26	2100340	2101320100126	CSE 2 Year	RAHUL KUMAR	A
27	2100343	2101320100155	CSE 2 Year	SHRI PRAKASH MISHRA	A
28	2100351	2101320100145	CSE 2 Year	SAURABH SINGH	P
29	2100372	2101320100041	CSE 2 Year	ARVIND KUMAR	A
30	2100379	2101320100108	CSE 2 Year	NISHA BISHT	A
31	2100382	2101320100082	CSE 2 Year	KASHISH PANDEY	A
32	2100391	2101320100020	CSE 2 Year	AKASH YADAV	P
33	2100408	2101320100094	CSE 2 Year	MOHAMMAD RAHMAN	A
34	2100409	2101320100066	CSE 2 Year	GURMEET VERMA	A
35	2100424	2101320100118	CSE 2 Year	PRASOON NIGAM	A
36	2100425	2101320100085	CSE 2 Year	KRISHNA SRIVASTAVA	A
37	2100427	2101320100153	CSE 2 Year	SHRESTH SRIVASTAVA	P
38	2100434	2101320100141	CSE 2 Year	SATYAJEET KUMAR SAHU	A
39	2100436	2101320100122	CSE 2 Year	PRITI	P
40	2100443	2101320100051	CSE 2 Year	AYUSH SHARMA	P
41	2100445	2101320100068	CSE 2 Year	HARSH NEGI	A
42	2100446	2101320100143	CSE 2 Year	SATYAM TRIVEDI	A
43	2100453	2101320100002	CSE 2 Year	ABHISHEK KUMAR	P
44	2100460	2101320100086	CSE 2 Year	KRISHNAM KATIYAR	P
45	2100461	2101320100149	CSE 2 Year	SHIBBU TIWARI	P
46	2100472	2101320100144	CSE 2 Year	SATYAM VISHWAKARMA	P
47	2100488	2101320100166	CSE 2 Year	SPARSH CHAUDHARY	A
48	2100499	2101320100175	CSE 2 Year	VAIBHAV SINGH	A
49	2100500	2101320100012	CSE 2 Year	ADARSH TIWARI	A
50	2100501	2101320100146	CSE 2 Year	SHALLY JHA	P
51	2100514	2101320100105	CSE 2 Year	NEHA SINGH	P



52	2100520	2101320100171	CSE 2 Year	SWAPNIL JOSHI	P
53	2100553	2101320100017	CSE 2 Year	AKASH KUMAR	P
54	2100559	2101320100158	CSE 2 Year	SHUBHAM JAISWAL	P
55	2100560	2101320100092	CSE 2 Year	MOHAMMAD ARMAN NAQVI	A
56	2100567	2101320100007	CSE 2 Year	ABU HANZALA	A
57	2100570	2101320100042	CSE 2 Year	ARYAN MITTAL	A
58	2100573	2101320100168	CSE 2 Year	SUMIT SHARMA	A
59	2100576	2101320100162	CSE 2 Year	SIMRAN MADDHESIA	P
60	2100578	2101320100156	CSE 2 Year	SHRISHT DEV	A
61	2100592	2101320100058	CSE 2 Year	DEEPENDRA SINGH	A
62	2100627	2101320100101	CSE 2 Year	NAMAN GARG	A
63	2100681	2101320100080	CSE 2 Year	KARTIK CHANCHAL	A
64	2100702	2101320100115	CSE 2 Year	PRANAV KUMAR	P
65	2100704	2101320100054	CSE 2 Year	BAIBHAV SINGH	A
66	2100705	2101320100052	CSE 2 Year	AYUSH YADAV	P
67	2100706	2101320100160	CSE 2 Year	SIDDHANT KUMAR MAURYA	P
68	2100708	2101320100013	CSE 2 Year	ADITYA KUMAR	P
69	2100720	2101320100061	CSE 2 Year	DIVYA SHREYASH	P
70	2100721	2101320100037	CSE 2 Year	ANKITA SINGH	P
71	2100722	2101320100100	CSE 2 Year	MUSHKAN KUMARI	A
72	2100724	2101320100076	CSE 2 Year	HIMANSHU YADAV	A
73	2100734	2101320100131	CSE 2 Year	RASHID ALI	P
74	2100736	2101320100031	CSE 2 Year	AMIT KUMAR YADAV	P
75	2100738	2101320100028	CSE 2 Year	AMAN NAEEM	A
76	2100741	2101320100014	CSE 2 Year	ADITYA KUMAR JAISWAL	A
77	2100744	2101320100137	CSE 2 Year	SAHIL GARG	P
78	2100745	2101320100151	CSE 2 Year	SHIVENDU KUMAR GUPTA	A
79	2100746	2101320100084	CSE 2 Year	KRISHAN KUMAR	A
80	2100747	2101320100161	CSE 2 Year	SIDDHARTH	P
81	2100748	2101320100059	CSE 2 Year	DHEERAJ KUMAR	A
82	2100751	2101320100107	CSE 2 Year	NIKHIL YADAV	A
83	2100752	2101320100109	CSE 2 Year	OWAIS SALAUDDIN KHAN	P
84	2100758	2101320100065	CSE 2 Year	GAURAV KUMAR	P
85	2100761	2101320100170	CSE 2 Year	SUSHANT KUMAR GOND	P
86	2100762	2101320100172	CSE 2 Year	TANISHQ PAL	P
87	2100771	2101320100060	CSE 2 Year	DIPENDRA ANAND	P
88	2100772	2101320100026	CSE 2 Year	AMAN KUMAR DUBEY	P
89	2100773	2101320100027	CSE 2 Year	AMAN KUMAR YADAV	A
90	2100778	2101320100181	CSE 2 Year	VIVEK PANDEY	A
91	2100780	2101320100110	CSE 2 Year	PAWAN KUMAR	P
92	2100781	2101320100135	CSE 2 Year	SAFDAR PARWEZ	A
93	2100786	2101320100053	CSE 2 Year	AYUSHI GOEL	P
94	2100788	2101320100163	CSE 2 Year	SNEHA KUMARI	P
95	2100790	2101320100154	CSE 2 Year	SHREYA SINHA	A
96	2100792	2101320100173	CSE 2 Year	TANUJ	A
97	2100793	2101320100008	CSE 2 Year	ACHYUT ANAND	P
98	2100794	2101320100030	CSE 2 Year	AMIT KUMAR	P
99	2100796	2101320100121	CSE 2 Year	PRINCE DUBEY	A
100	2100802	2101320100182	CSE 2 Year	VIVEK VERMA	A
101	2100803	2101320100138	CSE 2 Year	SAKSHAM SINGH	P
102	2100804	2101320100096	CSE 2 Year	MOHD AMAN KHAN	A
103	2100805	2101320100023	CSE 2 Year	AMAN KUMAR	D



104	2100806	2101320100178	CSE 2 Year	VINEET SINGH	A
105	2100813	2101320100063	CSE 2 Year	EHTESHAMUL MOBEEN	A
106	2100814	2101320100071	CSE 2 Year	HARSH TIWARI	K
107	2100817	2101320100095	CSE 2 Year	MOHAMMED KHALID	P
108	2100825	2101320100077	CSE 2 Year	HRITIK RAUSHAN	A
109	2100829	2101320100015	CSE 2 Year	ADITYA YADAV	P
110	2100836	2101320100111	CSE 2 Year	PRADEEP CHAUHAN	A
111	2100837	2101320100034	CSE 2 Year	ANGAD YADAV	P
112	2100838	2101320100024	CSE 2 Year	AMAN KUMAR	P
113	2100841	2101320100029	CSE 2 Year	AMAN SINGH	P
114	2100842	2101320100142	CSE 2 Year	SATYAM SRIVASTAV	P
115	2100844	2101320100011	CSE 2 Year	ADARSH KUMAR SINGH	P
116	2100845	2101320100062	CSE 2 Year	DIVYANSHU TRIPATHI	A
117	2100846	2101320100112	CSE 2 Year	PRAGYA MISHRA	A
118	2100847	2101320100123	CSE 2 Year	PRIYANSHU DUBEY	A
119	2100849	2101320100177	CSE 2 Year	VIDIT SRIVASTAVA	P
120	2100850	2101320100127	CSE 2 Year	RAJKISHAN SINGH	P
121	2100853	2101320100157	CSE 2 Year	SHUBHAM BHARDWAJ	A
122	2100854	2101320100045	CSE 2 Year	ATHARV AGGARWAL	A
123	2100855	2101320100124	CSE 2 Year	PRIYANSHU RAJ	A
124	2100856	2101320100019	CSE 2 Year	AKASH RAJ VERMA	P
125	2100859	2101320100005	CSE 2 Year	ABHISHEK PRATAP MALL	P
126	2100864	2101320100097	CSE 2 Year	MOHD PARVEZ	P
127	2100866	2101320100128	CSE 2 Year	RAJAT SINGH TOMAR	A
128	2100867	2101320100046	CSE 2 Year	ATHARV GOSWAMI	A
129	2100869	2101320100038	CSE 2 Year	ANSHUMAN	A
130	2100872	2101320100022	CSE 2 Year	AKSHIT SHARMA	A
131	2100874	2101320100056	CSE 2 Year	CHITRESH GYANANI	P
132	2100878	2101320100047	CSE 2 Year	AVINASH TRIPATHI	P
133	2100884	2101320100139	CSE 2 Year	SANCHAY BAGHEL	A
134	2100886	2101320100147	CSE 2 Year	SHARFE ALAM	A
135	2100887	2101320100048	CSE 2 Year	AVINISH KUMAR	P
136	2100889	2101320100125	CSE 2 Year	RAHUL JHA	A
137	2100891	2101320100091	CSE 2 Year	MD YOUSUF ALAM	A
138	2100894	2101320100130	CSE 2 Year	RANJAN KUMAR YADAV	P
139	2100899	2101320100102	CSE 2 Year	NAMIT SHAKYA	A
140	2100902	2101320100075	CSE 2 Year	HIMANSHU SINGH	A
141	2100906	2101320100035	CSE 2 Year	ANIKET KUMAR NIRALA	P
142	2100909	2101320100003	CSE 2 Year	ABHISHEK KUMAR	A
143	2100910	2101320100113	CSE 2 Year	PRAJWAL GUPTA	P
144	2100914	2101320100001	CSE 2 Year	ABHAY GYAN	P
145	2100915	2101320100050	CSE 2 Year	AYUSH MISHRA	P
146	2100918	2101320100180	CSE 2 Year	VIVEK JAISWAL	P
147	2100921	2101320100104	CSE 2 Year	NEETU YADAV	A
148	2100923	2101320100150	CSE 2 Year	SHIVANK KUMAR	A
149	2100924	2101320100167	CSE 2 Year	SUMIT GOMES	P
150	2100931	2101320100159	CSE 2 Year	SHUBHAM SHARMA	P
151	2100932	2101320100184	CSE 2 Year	ZAHID RAZA	A
152	2100933	2101320100074	CSE 2 Year	HARSHIT RANJAN	P
153	2100936	2101320100039	CSE 2 Year	ANUJ TRIPATHI	P
154	2100937	2101320100099	CSE 2 Year	MUKUL KUMAR	P
155	2100938	2101320100129	CSE 2 Year	RAJEEV RANJAN	P



156	2100940	2101320100165	CSE 2 Year	SONIKA RAJPUT	A
157	2100943	2101320100004	CSE 2 Year	ABHISHEK KUMAR JHA	A
158	2100947	2101320100018	CSE 2 Year	AKASH RAJ	A
159	2100948	2101320100164	CSE 2 Year	SONIKA KUMARI	P
160	2100961	2101320100010	CSE 2 Year	ADARSH GAUTAM	A
161	2100963	2101320100072	CSE 2 Year	HARSHIT GUPTA	A
162	2100968	2101320100106	CSE 2 Year	NIKHIL KUMAR SINGH	P
163	2100970	2101320100093	CSE 2 Year	MOHAMMAD NAZIF	A
164	2200010	0	CSE 2 Year	VARUN GUPTA	A
165	2200017	0	CSE 2 Year	ANUP YADAV	P
166	2200052	0	CSE 2 Year	ADITYA KUMAR	A
167	2200072	0	CSE 2 Year	MANISH KUMAR SINGH	A
168	2200080	0	CSE 2 Year	DENISH PAUL	A
169	2200108	0	CSE 2 Year	AMAN RAJ	P
170	2200119	0	CSE 2 Year	NAKUL RANA	P
171	2200125	0	CSE 2 Year	ASHISH UPADHYAY	P
172	2200136	0	CSE 2 Year	AKRITI KUMARI RAJBHAR	P
173	2200150	0	CSE 2 Year	MOHIT KUMAR	P
174	2200155	0	CSE 2 Year	ANAM	A
175	2200182	0	CSE 2 Year	RITIK KUMAR	A
176	2200186	0	CSE 2 Year	VISHAL KUMAR	A
177	2200232	0	CSE 2 Year	DEVENDRA SINGH	P
178	2200265	0	CSE 2 Year	HIMANSHU TRIPATHI	A
179	2200294	0	CSE 2 Year	DEBASHISH SAHOO	A
180	2200332	0	CSE 2 Year	NEHA KUMARI	P
181	2200842	0	CSE 2 Year	KAMAKSHI	P
182	2200853	0	CSE 2 Year	MD ABADULLAH REZA	P
183	2201150	0	CSE 2 Year	PRADUMN GUPTA	A


  
 Greater Noida Institute of Technology  
 Director


  
 Greater Noida Institute of Technology



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref: - No. GNIOT/CSE/EVEN/Events/05

Date: 08.06.2022

NOTICE

This is to inform all the students that as per the academic calendar the department are organizing workshop for the current semester, continuing the same practice you all are informed that a workshop on "business model canvas"(BMC) is being organized on 11<sup>th</sup> June 2022.

The students are requested to Present in full strength and take the maximum benefits of the workshop



# MCA & CSE Department

In association with

**GNIOT -IIC (An Initiative of Ministry of Education Govt of INDIA)**

ORGANIZES

WORKSHOP ON

**Business Model Canvas (BMC)**



SPEAKER

**Dr. S. SIVAKAMI**

Assistant Professor  
Department of Management Studies  
Co-ordinator - CI, YI & YUNA Chapter Amrita  
College of Engineering and Technology,  
Nagercoil



Prof. (Dr.) Dhiraj Gupta  
Director



Dr. Vijay Shukla  
HOD-MCA



Prof. (Dr.) Sheelesh Kr. Sharma  
HOD-MCA



Dr. Anuranjan Mishra  
Dean R&D



Mohd. Salman Siddique  
Moderator



11<sup>th</sup>, Saturday  
June, 2022



11:00 AM  
12:00 PM

Google Meet



#WORKSHOP

SNo.	**Univ.Roll	**Class	**Name	Attendance for Event
1	2001320100065	CSE 2 Year	JUNAID ALAM	A
2	2001320100004	CSE 2 Year	ABHIJIT ROY	A
3	2001320100075	CSE 2 Year	MEGHA KUMARI	A
4	2001320100141	CSE 2 Year	SUHAIB AHMAD	A
5	2001320100073	CSE 2 Year	MD TAUSIF KHAN	A
6	2001320100054	CSE 2 Year	GAURAV KARMAKAR	P
7	2001320100110	CSE 2 Year	RISHABH SINGH	P
8	2001320100063	CSE 2 Year	JALAJ MISHRA	A
9	2001320100048	CSE 2 Year	DHIRAJ KUMAR	A
10	2001320100048	CSE 2 Year	DHIRAJ KUMAR	A
11	2001320100078	CSE 2 Year	MOHD ABUZAR SUHAIL	A
12	2001320100153	CSE 2 Year	UTKARSH GUPTA	A
13	2001320100086	CSE 2 Year	NITIN RAVI GAUTAM	A
14	2001320100024	CSE 2 Year	ANAND KUMAR	A
15	2001320100070	CSE 2 Year	KUNAL KUMAR	P
16	2001320100103	CSE 2 Year	RAJ ARYAN SHARMA	P
17	2001320100096	CSE 2 Year	PRASHANT PACHAURI	P
18	2001320100011	CSE 2 Year	ABHISHEK SRIVASTAV	A
19	2001320100113	CSE 2 Year	ROHIT KUMAR	A
20	2001320100082	CSE 2 Year	NIKHIL	A
21	2001320100163	CSE 2 Year	VISHAL YADAV	A
22	2001320100112	CSE 2 Year	RITIKA VERMA	A
23	2001320100107	CSE 2 Year	RANJEET KUMAR	A
24	2001320100152	CSE 2 Year	UJJWAL	P
25	2001320100099	CSE 2 Year	PRIYANKA SRIVASTAV	A
26	2001320100128	CSE 2 Year	SHANTANU SINGH	A
27	2001320100117	CSE 2 Year	SAKSHI CHAUHAN	A
28	2001320100170	CSE 2 Year	YUVRAJ	A
29	2001320100019	CSE 2 Year	AJIT KUMAR RAI	P
30	2001320100116	CSE 2 Year	SAHIL RAJ	A
31	2001320100085	CSE 2 Year	NIKITA YUGESHWAR	A
32	2001320100034	CSE 2 Year	ARPIT KUMAR	A
33	2001320100156	CSE 2 Year	UTKARSH SINGH	A
34	2001320100084	CSE 2 Year	NIKHIL SINGH	A
35	2001320100106	CSE 2 Year	RAJANISH KUMAR YADAV	A
36	2001320100149	CSE 2 Year	TANZIM ALAM	A
37	2001320100007	CSE 2 Year	ABHISHEK KUMAR PAL	P
38	2001320100155	CSE 2 Year	UTKARSH POSWAL	A
39	2001320100127	CSE 2 Year	SHALINI	A
40	2001320100016	CSE 2 Year	ADITYA RAJ PARASHAR	A
41	2001320100122	CSE 2 Year	SATYAM KUMAR	P
42	2001320100151	CSE 2 Year	TUSHAR MISHRA	A
43	2001320100038	CSE 2 Year	ASIT KUMAR	A
44	2001320100005	CSE 2 Year	ABHIMANYU GUPTA	A
45	2001320100088	CSE 2 Year	OM MISHRA	P
46	2001320100056	CSE 2 Year	GAURAV PANDEY	A
47	2001320100041	CSE 2 Year	AZHARUDDIN ALAM	A
48	2001320100121	CSE 2 Year	SANTOSH RAI	A
49	2001320100027	CSE 2 Year	ANKIT KUMAR	A
50	2001320100023	CSE 2 Year	AMRIT BHARDWAJ	A
51	2001320100013	CSE 2 Year	ADARSH SINGH	A
52	2001320100055	CSE 2 Year	GAURAV KUMAR DHARI	P

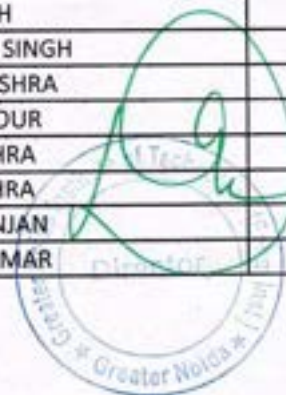


53	2001320100111	CSE 2 Year	RITESH KUMAR	A
54	2001320100134	CSE 2 Year	SOMIL SINGH	A
55	2001320100168	CSE 2 Year	YASH DIXIT	A
56	2001320100095	CSE 2 Year	PRASHANT KUMAR JHA	A
57	2001320100077	CSE 2 Year	MOHAMMAD TANVEER	A
58	2001320100142	CSE 2 Year	SUKESH RAJ PANDEY	A
59	2001320100115	CSE 2 Year	SACHIN PRAJAPATI	A
60	2001320100104	CSE 2 Year	RAJA KUMAR	A
61	2001320100135	CSE 2 Year	SONAL PRASAD	P
62	2001320100021	CSE 2 Year	AKSHAT ISHAN	A
63	2001320100022	CSE 2 Year	AMAAN KHAN	A
64	2001320100042	CSE 2 Year	BALMIKI KUMAR	A
65	2001320100083	CSE 2 Year	NIKHIL RAJ	A
66	2001320100165	CSE 2 Year	VIVEK KUMAR VIMAL	A
67	2001320100026	CSE 2 Year	ANJILA CHOUDHARY	A
68	2001320100074	CSE 2 Year	MD RAIYAN AZAM	P
69	2001320100032	CSE 2 Year	ANURAG YADAV	A
70	2001320100015	CSE 2 Year	ADITYA KUMAR SINGH	A
71	2001320100132	CSE 2 Year	SHUBHAM KUMAR	A
72	2001320100154	CSE 2 Year	UTKARSH JOHARI	P
73	2001320130035	CSE 2 Year	BHASKAR KUMAR	A
74	2001320100003	CSE 2 Year	ABHAY SHUKLA	A
75	2001320100094	CSE 2 Year	PRANJAL RAI	A
76	2001320100009	CSE 2 Year	ABHISHEK PANDEY	A
77	2001320100098	CSE 2 Year	PRERNA SINGH	A
78	2001320100040	CSE 2 Year	AYUSH SINGH	A
79	2001320100123	CSE 2 Year	SATYAM RAJ	A
80	2001320100067	CSE 2 Year	KAUSHIK RAJ	P
81	2001320100068	CSE 2 Year	KHUSHI MAHESHWARI	A
82	2001320100047	CSE 2 Year	DEVESH BHASKAR	A
83	2001320100162	CSE 2 Year	VISHAL KUMAR	A
84	2001320100006	CSE 2 Year	ABHISHEK JAISWAL	P
85	2001320100031	CSE 2 Year	ANURAG SUMAN	A
86	2001321550042	CSE 2 Year	RUZUL SHARMA	A
87	2001320100039	CSE 2 Year	AVNEESH KAUSHIK	A
88	2001320100171	CSE 2 Year	ZAHRA TAUQIR	A
89	2001320100014	CSE 2 Year	ADIL KHAN	A
90	2001320100035	CSE 2 Year	ASHISH KUMAR	A
91	2001320100058	CSE 2 Year	HARSH MISHRA	A
92	2001320100049	CSE 2 Year	DHIRENDRA KUMAR OJHA	P
93	2001320100160	CSE 2 Year	VIKAS LAWANIYA	P
94	2001320100033	CSE 2 Year	ARJUN YADAV	A
95	2001320100080	CSE 2 Year	NAINCY YADAV	A
96	2001320100089	CSE 2 Year	PALAK GUPTA	A
97	2001320100002	CSE 2 Year	AAYUSH KUMAR	A
98	2001320100125	CSE 2 Year	SAURAV SHARMA	A
99	2001320100046	CSE 2 Year	DEEPIKA MAURYA	P
100	2001320100119	CSE 2 Year	SANTOSH CHAURASIYA	A
101	2001320100017	CSE 2 Year	ADITYA RAJ SINGH	A
102	2001320100072	CSE 2 Year	MAYANK KASHYAP	A
103	2001320100137	CSE 2 Year	STUTI TIWARI	P
104	2001320100053	CSE 2 Year	FAYEZ GHUFRAN	A
105	2001320100012	CSE 2 Year	ABOU HAMID	A
106	2001320100028	CSE 2 Year	ANKIT KUMAR GUPTA	A





107	2001320100018	CSE 2 Year	AJAY KUMAR YADAV	A
108	2001320100079	CSE 2 Year	MUFTAHUDDIN	P
109	2001320100059	CSE 2 Year	HARSH MORESHWAR DAMBHARE	P
110	2001320100051	CSE 2 Year	DIGVIJAY SINGH	P
111	2001320100091	CSE 2 Year	PIYUSH KUMAR MISHRA	A
112	2001320100146	CSE 2 Year	SURAJ PRATAP SINGH TANGAR	A
113	2001320100020	CSE 2 Year	AKASH BHARDWAJ	A
114	2001320100102	CSE 2 Year	RAHUL SINGH	A
115	2001320100043	CSE 2 Year	BHAVANA PRATI HAR	P
116	2001320100124	CSE 2 Year	SAURABH KUMAR OJHA	A
117	2001320100037	CSE 2 Year	ASHUTOSH KUMAR	A
118	2001320100114	CSE 2 Year	SACHIN KUMAR	A
119	2001320100105	CSE 2 Year	RAJEEV SAXENA	P
120	2001320100161	CSE 2 Year	VIKAS SINGH	A
121	2001320100143	CSE 2 Year	SUNIL SAHANI	A
122	2001320100138	CSE 2 Year	SUBHAM TRIPATHI	A
123	2001320100108	CSE 2 Year	RAUSHAN KUMAR UPADHYAY	P
124	2001320100147	CSE 2 Year	SURAJ YADAV	A
125	2001320100169	CSE 2 Year	YASH VARMA	A
126	2001320100118	CSE 2 Year	SAMAKSH SUNDRIYAL	A
127	2001320100140	CSE 2 Year	SUDARSHAN YADAV	A
128	2001320100148	CSE 2 Year	SUSHANT DUBEY	A
129	2001320100036	CSE 2 Year	ASHUTOSH BIND	P
130	2001320100158	CSE 2 Year	KM.VARSHA SINGH	A
131	2001320100090	CSE 2 Year	PANKAJ KUMAR	A
132	2001320100150	CSE 2 Year	TARUN RAWAT	A
133	2001320100092	CSE 2 Year	PRAKHAR BHADAURIYA	A
134	2001320100120	CSE 2 Year	SANTOSH MISHRA	A
135	2001320100087	CSE 2 Year	NITISH KUMAR SINGH	A
136	2001320100076	CSE 2 Year	MOH SHADAB	A
137	2001320100071	CSE 2 Year	MANSI GUPTA	A
138	2001320100131	CSE 2 Year	SHRUTI JHA	A
139	2001320100129	CSE 2 Year	SHASHANK MISHRA	A
140	2001320100145	CSE 2 Year	SURAJ KUMAR SHARMA	P
141	2001320100052	CSE 2 Year	EDISON	A
142	2001320100064	CSE 2 Year	JITENDRA SINGH	A
143	2001320100066	CSE 2 Year	KARAN RAJ SINGH VERMA	P
144	2001320100057	CSE 2 Year	HARSH KUMAR	P
145	2001320100050	CSE 2 Year	DHRUV RAJPUT	A
146	2001320100001	CSE 2 Year	AARIFA	A
147	2001320130061	CSE 2 Year	PIYUSH MISHRA	A
148	2001320100164	CSE 2 Year	VISHWAJEET SINGH	A
149	2001320100010	CSE 2 Year	ABHISHEK SAXENA	P
150	2001320100030	CSE 2 Year	ANSHUL SHARMA	P
151	2001320100081	CSE 2 Year	NEHA KUMARI	P
152	2001320100100	CSE 2 Year	RAGHAV TIWARI	A
153	2001320100045	CSE 2 Year	DEEPAK SINGH	A
154	2001320100093	CSE 2 Year	PRAMANSHU SINGH	A
155	2001320100069	CSE 2 Year	KM.TRIPTI MISHRA	P
156	2001320100101	CSE 2 Year	RAHUL RATHOUR	A
157	2001320100130	CSE 2 Year	SHIVAM MISHRA	A
158	2001320100061	CSE 2 Year	HIMESH MISHRA	A
159	2001320100167	CSE 2 Year	YADURAJ RANJAN	P
160	2001320100008	CSE 2 Year	ABHISHEK KUMAR	A



161	2001320100060	CSE 2 Year	HIMANSHI NEGI	P
162	2001320100166	CSE 2 Year	VIVEK KUMAR TIWARI	A
163	2001320100097	CSE 2 Year	PRASHU SINGH	P
164	2001320130095	CSE 2 Year	SURAJ DUBEY	A
165	2001320100159	CSE 2 Year	VASU PANDEY	A
166	2001321530050	CSE 2 Year	SAMYAK JAIN	A
167	2001320100062	CSE 2 Year	HONEY KUMAR	P
168	2001320100109	CSE 2 Year	RISHABH KUMAR RAI	A
169	2001320100029	CSE 2 Year	ANSHUL	A
170	2001320100025	CSE 2 Year	ANAND PRAKASH SINGH	A
171	2101320109007	CSE 2 Year	PRAKASH KUMAR	A
172	2101320109012	CSE 2 Year	SHIVAM SINGH	P
173	2101320109008	CSE 2 Year	PRAPHUL KUMAR	A
174	2101320109010	CSE 2 Year	RISIC THAPLIYAL	A
175	2101320109014	CSE 2 Year	SIMRAN RAJ	A
176	2101320109005	CSE 2 Year	KM KARISHMA VERMA	A
177	2101320109013	CSE 2 Year	SHUBHAM KUMAR	P
178	2101320109011	CSE 2 Year	SHAIQUA TAJ	A
179	2101320109004	CSE 2 Year	DIVYANSH SINGH	A
180	2101320109009	CSE 2 Year	RAUNAK SINGH	A
181	2101320109003	CSE 2 Year	ASHISH KUMAR SINGH	A
182	2101320109002	CSE 2 Year	ASHISH KUMAR SHARMA	A
183	2101320109015	CSE 2 Year	SYED AMAN HASAN	P
184	2101320109016	CSE 2 Year	TANYA	A
185	2101320109006	CSE 2 Year	PRADEEP KUMAR	P
186	2101320109001	CSE 2 Year	ADITYA SINGH	A





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

Department of Electrical Engineering

Date: 25.11.2021

**NOTICE**

This is to inform all the faculty members and students of the department that “**Expert Lecture on Online counseling and doubt-clearing session**” is being organized by the department on 30.11.2021. It is mandatory for all the students to be in proper college dress along with their college ID cards.

**Head of Department**  
**(Mr. Nikhil Kumar Gupta)**



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

## REPORT

### EXPERT LECTURE

*On*

**"ONLINE COUNSELLING AND DOUBT CLEARING SESSION"**

30 NOVEMBER 2021

*Organized by*



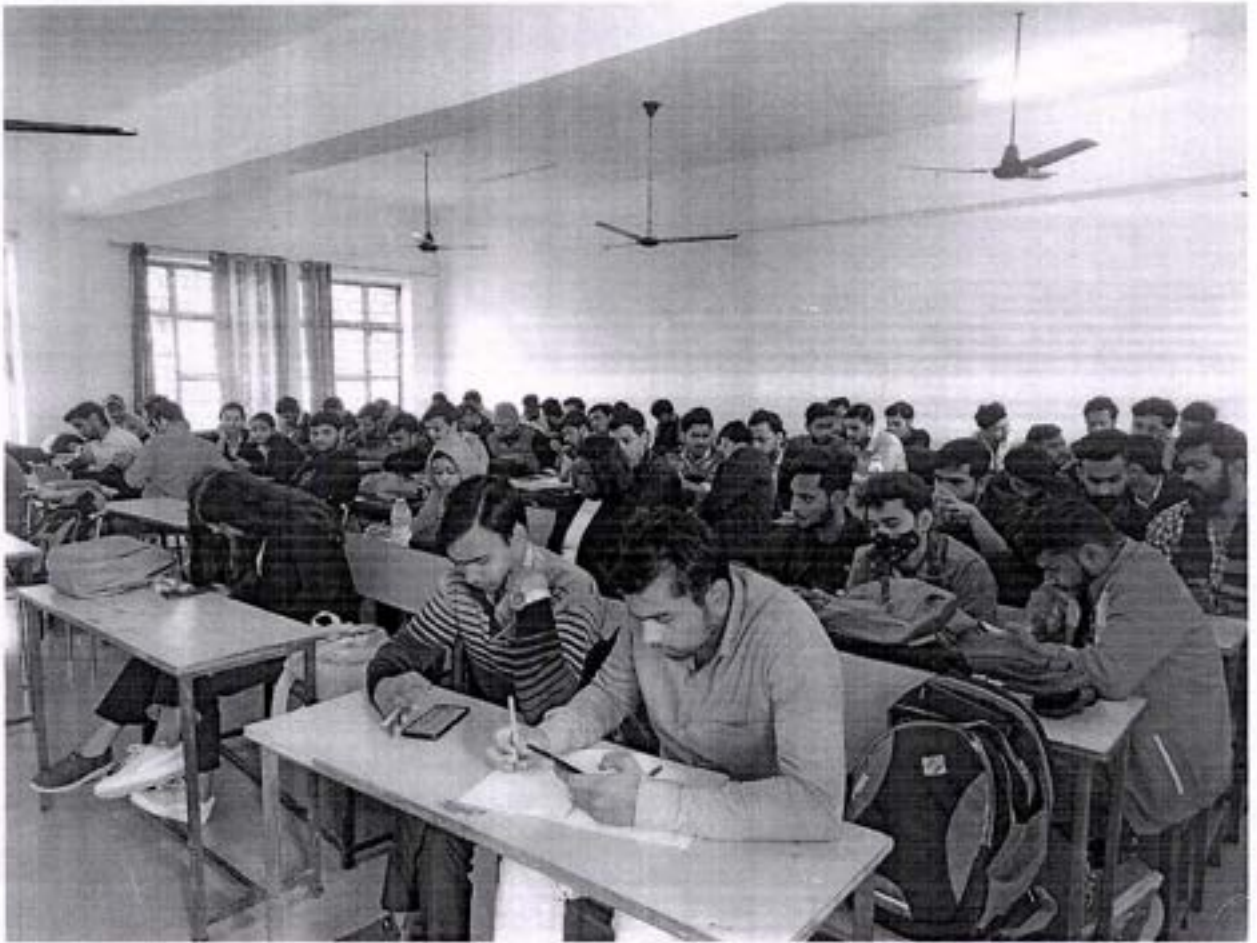
***Electrical Engineering Department***



### Online counseling and doubt clearing

The Electrical Engineering (EE) Department organized an online counseling and doubt clearing session on 30.11.2021 for its students. The session was presided by Mr. Ankit Goyal, Director, Unacademy, GATE. Mr. Goyal is a gold medal awardee from the President of India. Also, he is a two time GATE AIR-01 in the years 2014 and 2018. The students were seen excited during the session and found it to be fruitful. It had been all possible due to the countless and relentless efforts of Dr. Nikhil Gupta, HOD, EE.







**GREATER NOIDA INSTITUTE OF TECHNOLOGY**

**Department of Electrical Engineering**

**Attendance sheet**

**Date: 30-11-2021**

S.No.	I.D. No.	Roll No.	Student Name	Remarks
1	190083	1901320200021	SHADAB AKHTER	A
2	200083	2001320200011	MD UBAID KHAN	P
3	200158	2001320200003	ANMOL KUMAR	A
4	200168	2001320200006	JISAN ALAM	P
5	200223	2001320200008	KUSHAGRA KUMAR	P
6	200341	2001320200020	SOFI BREEZY MINZ	A
7	200364	2001320200015	NABEEL EHSAN	P
8	200378	2001320200004	ARTI KUMARI	P
9	200514	2001320200009	MD.AZHAR	P
10	200576	2001320200001	ABHISHEK YADAV	P
11	200589	2001320200002	AKHLAQR RAHMAN	P
12	200605	2001320200017	RISHABH SINGH	P
13	200643	2001320200010	MOHAMMAD KHALID QUAMRE	P
14	200652	2001320200019	SAURABH KUMAR	P
15	200882	2001320200013	MOHD IZHAB ALAM	P
16	2100073	2101320209020	SURYA PRAKASH NAYAK	P
17	2100125	2101320209022	TAHA ABDUL FATTAH	A
18	2100126	2101320209017	SHABEEB TALHA	A
19	2100258	2101320209002	ADARSH SHARMA	P
20	2100273	2101320209010	KOMAL	P
21	2100281	2101320209004	AMIT YADAV	P
22	2100398	2101320209014	NAVEEN LOHAN	P
23	2100588	2101320209009	GAURAV	A
24	2100610	2101320209008	AYUSH TIWARI	P
25	2100620	2101320209021	SWEETY SAAWAN	A
26	2100633	2101320209011	KUNAL KUMAR	P
27	2100635	2101320209015	NITISH KUMAR SINGH	P
28	2100655	2101320209006	ARBAAZ ALI KHAN	P
29	2100657	2101320209012	MANOJ SINGH BAGHEL	A
30	2100658	2101320209001	ABHISHEK KUMAR	P
31	2100688	2101320209019	SIDDHANT BISEN	A
32	2100712	2101320209023	VIVEK KUMAR	P





33	2100718	2101320209016	RAHUL SINGH	P
34	2100729	2101320209005	ANIL CHAUDHARY	P
35	2100791	2101320209007	ATAULLAH ANWAR	P
36	2100881	2101320209013	MAYANK YADAV	A
37	2100898	2101320209003	AMIT VERMA	P
38	190060	1901320200018	RAJAT KUMAR TIWARI	P
39	190142	1901320200022	SUDHANSHU KUMAR	P
40	190195	1901320200003	ASIF MUMTAZ	P
41	190197	1901320200004	BHANU PRAKASH	P
42	190252	1901320200007	HAMID IQBAL KHAN	A
43	190285	1901320200015	NITISH KUMAR JHA	P
44	190293	1901320200012	MOHD SAHIL	A
45	190315	1901320200017	PRITESH KUMAR SINGH	P
46	190336	1901320200019	SAKET KUMAR	P
47	190378	1901320200001	ANAND PRAKASH	P
48	190427	1901320200006	GULREZ AKHTER	P
49	190449	1901320200002	ASHISH RAJPUT	A
50	190463	1901320200005	FERAQL AZAM	P
51	190501	1901320200011	MD SHEESH	A
52	190611	1901320200013	NAVEEN JAISWAL	P
53	190620	1901320200014	NAVNEET UPADHYAY	P
54	190645	1901320200009	KARTIK MEGHWAL	P
55	190778	1901320200016	PRATEEK KASHYAP	P
56	200391	2001320209011	WAQAR AHMAD	P
57	200508	2001320209004	INDRESH KUMAR YADAV	P
58	200518	2001320209008	SATYAM RAY	P
59	200519	2001320209001	ABHISHEK CHAURASIYA	P
60	200598	2001320209006	PRITAM YADAV	A
61	200608	2001320209010	VIPIN PANDEY	P
62	200612	2001320209003	EKTA CHAUDHARY	P
63	200797	2001320209002	ARVIND KUMAR CHAURASIYA	P
64	200798	2001320209005	MOHD JARJIS RAZA	P
65	200805	2001320209007	RAFI AZAM	A
66	200842	2001320209009	VICKY KUMAR	P
67	180021	1813220006	ATUL DWIVEDI	P
68	180063	1813220008	GAURAV ROY	P
69	180150	1813220007	DEVASHISH NEGI	P



70	180188	1813220015	RAUSHAN KUMAR PANDEY	P
71	180203	1813220021	TAHSEEN AHMAD	P
72	180227	1813220022	VINAY KUMAR TIWARI	P
73	180252	1813220023	VIVEK KUMAR	P
74	180322	1813220011	PANKAJ PAL	A
75	180330	1813220019	STANZIN PAKTO	P
76	180337	1813220012	PRAVEEN KUMAR VERMA	P
77	180363	1813220003	AKHILESH YADAV	P
78	180397	1813220001	ABHINAV KASHYAP	A
79	180426	1813220013	PUNIT KUMAR PANDEY	P
80	180473	1813220005	ARYAN TIWARI	P
81	180498	1813220014	PUSHPENDRA SINGH	P
82	180535	1813220018	SHIVAM MODANWAL	P
83	180544	1813220010	MD. NEHAL	A
84	180560	1813220017	SANTOSH KUMAR	P
85	180609	1813220002	ADARSH KUMAR RAJ	P
86	180610	1813220016	RISHIKESH SINGH	P
87	180633	1813220004	ANAMIKA	P
88	180681	1813220009	KOMAL TIWARI	P
89	190006	1901320209006	MD. ZARGHAM RAZA KHAN	P
90	190216	1901320209002	ALTAf ALAM	P
91	190228	1901320209001	AAKASH KUMAR	P
92	190524	1901320209008	PUNIT RANJAN YADAV	P
93	190685	1901320209005	HIMANSHU SHARMA	P
94	190776	1901320209003	ANKIT KUMAR PANDEY	P
95	190822	1901320209004	AVINASH KUMAR	P



Mr. Nikhil Kumar Gupta  
Head of Department





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

Department of Electrical Engineering

Date: 25.01.2022

NOTICE

This is to inform all the faculty members and students of the department that a "Expert Lecture on Amazon Web Services (AWS)" is being organized by the department on 31.01.2022. It is mandatory for all the students to be in proper college dress along with their college ID cards.

Head of Department  
(Mr. Nikhil Kumar Gupta)



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

## REPORT

### EXPERT LECTURE

*On*

“AMAZON WEB SERVICES”

31 JANUARY 2022

*Organized by*



*Electrical Engineering Department*



### Webinar on Amazon Web Services dated 31.01.2022

The Electrical Engineering Department (EED) organized a webinar on Amazon Web Service (AWS) on 31.01.2022. Key speaker of the webinar was Mr. Ankit Kumar Gupta, Data Engineer with Amazon. In most simple language, AWS is a secure cloud services platform, offering compute power, database storage, content delivery and other functionality to help businesses scale and grow. Huge success of the webinar was all due to the relentless efforts of Dr. Nikhil Gupta, HOD, EED and the entire teaching fraternity of the department. Students of 3rd and 4th years of the department participated in the event and found it to be very interactive. PFA the glimpses of the webinar.



**GREATER NOIDA INSTITUTE OF TECHNOLOGY**

**Department of Electrical Engineering**

**Attendance sheet**

**Date: 31-01-2022**

S.No.	I.D. No.	Roll No.	Student Name	Remarks
1	190083	1901320200021	SHADAB AKHTER	P
2	200083	2001320200011	MD UBAID KHAN	P
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48	190427	1901320200006	GULREZ AKHTER	P
49	190449	1901320200002	ASHISH RAJPUT	P
50	190463	1901320200005	FERAQL AZAM	A
51	190501	1901320200011	MD SHEESH	P
52	190611	1901320200013	NAVEEN JAISWAL	P
53	190620	1901320200014	NAVNEET UPADHYAY	P
54	190645	1901320200009	KARTIK MEGHWAL	P
55	190778	1901320200016	PRATEEK KASHYAP	P
56	200391	2001320209011	WAQAR AHMAD	A
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60	200598	2001320209006	PRITAM YADAV	P
61	200608	2001320209010	VIPIN PANDEY	P
62	200612	2001320209003	EKTA CHAUDHARY	A
63	200797	2001320209002	ARVIND KUMAR CHAURASIYA	P
64	200798	2001320209005	MOHD JARJIS RAZA	P
65	200805	2001320209007	RAFI AZAM	P
66	200842	2001320209009	VICKY KUMAR	P
67	180021	1813220006	ATUL DWIVEDI	A
68	180063	1813220008	GAURAV ROY	P
69	180150	1813220007	DEVASHISH NEGI	P



70	180188	1813220015	RAUSHAN KUMAR PANDEY	P
71	180203	1813220021	TAHSEEN AHMAD	P
72	180227	1813220022	VINAY KUMAR TIWARI	P
73	180252	1813220023	VIVEK KUMAR	A
74	180322	1813220011	PANKAJ PAL	P
75	180330	1813220019	STANZIN PAKTO	P
76	180337	1813220012	PRAVEEN KUMAR VERMA	P
77	180363	1813220003	AKHILESH YADAV	P
78	180397	1813220001	ABHINAV KASHYAP	A
79	180426	1813220013	PUNIT KUMAR PANDEY	P
80	180473	1813220005	ARYAN TIWARI	P
81	180498	1813220014	PUSHPENDRA SINGH	P
82	180535	1813220018	SHIVAM MODANWAL	P
83	180544	1813220010	MD. NEHAL	P
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94	190776	1901320209003	ANKIT KUMAR PANDEY	A
95	190822	1901320209004	AVINASH KUMAR	P



Mr. Nikhil Kumar Gupta  
Head of Department







ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

Department of Electrical Engineering

Date: 10.02.2022

NOTICE

This is to inform all the faculty members and students of the department that a "Expert Lecture on Control System" is being organized by the department on 14.02.2022. It is mandatory for all the students to be in proper college dress along with their college ID cards.



Head of Department  
(Mr. Nikhil Kumar Gupta)



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

## REPORT

### EXPERT LECTURE

*On*

“CONTROL SYSTEM”

14FEBRUARY2022

*Organized by*



*Electrical Engineering Department*



### Webinar on Control System

The Electrical Engineering (EE) and Electronics & Communication Engineering (ECE) departments in unison conducted a webinar on 'Control System' on 14.02.2022. Mr. Anish Singh Rajput, an alumnus of IIT Bombay, and currently a faculty member with the ACE Engineering Academy, was the guest speaker of the event. He has been an AIR 18 in GATE an AIR 73 in ESE holder with 7+ years of teaching experience. Mr. Singh taught the students on how to prepare the Control System subject for the various competitive exams. Around 100 students from both the EE and ECE departments attended the webinar and found it to be very interactive and informative. Thanks to the relentless efforts of Dr. Nikhil Gupta, HOD, EE and Dr. Mukesh Ojha, HOD, ECE because of which the event became a success. Mr. Sushil Singh, Assistant Professor, EE department was the moderator of the webinar.





TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS



## EE & ECE DEPARTMENT

ORGANIZES

ONLINE WEBINAR ON

# Control System



GUEST SPEAKER

**Mr. Anish Singh Rajput**

Motivational Speaker | 9 Times Gate Qualified  
7+ Years ESE & Gate Teaching Experience



**Dr. Dhiraj Gupta**  
(Director)



**Dr. Nikhil Kumar Gupta**  
HOD (EE)

#WEBINAR



14<sup>th</sup>, Monday  
February, 2022



11:00 AM  
12:30 PM

Online  
Platform

zoom



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969



**GREATER NOIDA INSTITUTE OF TECHNOLOGY**

**Department of Electrical Engineering**

**Attendance sheet**

**Date: 14-02-2022**

S.No.	I.D. No.	Roll No.	Student Name	Remarks
1	190083	1901320200021	SHADAB AKHTER	P
2	200083	2001320200011	MD UBAID KHAN	P
3	200158	2001320200003	ANMOL KUMAR	P
4	200168	2001320200006	JISAN ALAM	A
5	200223	2001320200008	KUSHAGRA KUMAR	P
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9	200514	2001320200009	MD.AZHAR	A
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Mr. Nikhil Kumar Gupta  
Head of Department

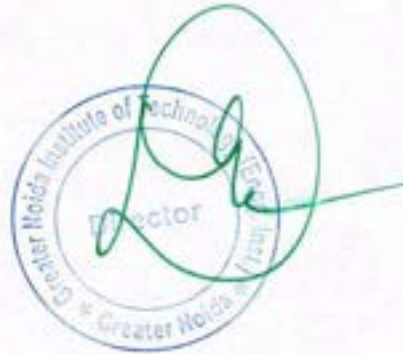


Department of Electrical Engineering

Date: 21.02.2022

**NOTICE**

This is to inform all the faculty members and students (3<sup>rd</sup> & 4<sup>th</sup> Year) of the department that a "Expert Lecture on Renewable Energy Sources" is being organized by the department on 25.02.2022. It is mandatory for all the students to be in proper college dress along with their college ID cards.



**Head of Department**  
**(Mr. Nikhil Kumar Gupta)**





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

## REPORT

### EXPERT LECTURE

*On*

**"RENEWABLE ENERGY SOURCES"**

25FEBRUARY2022

*Organized by*

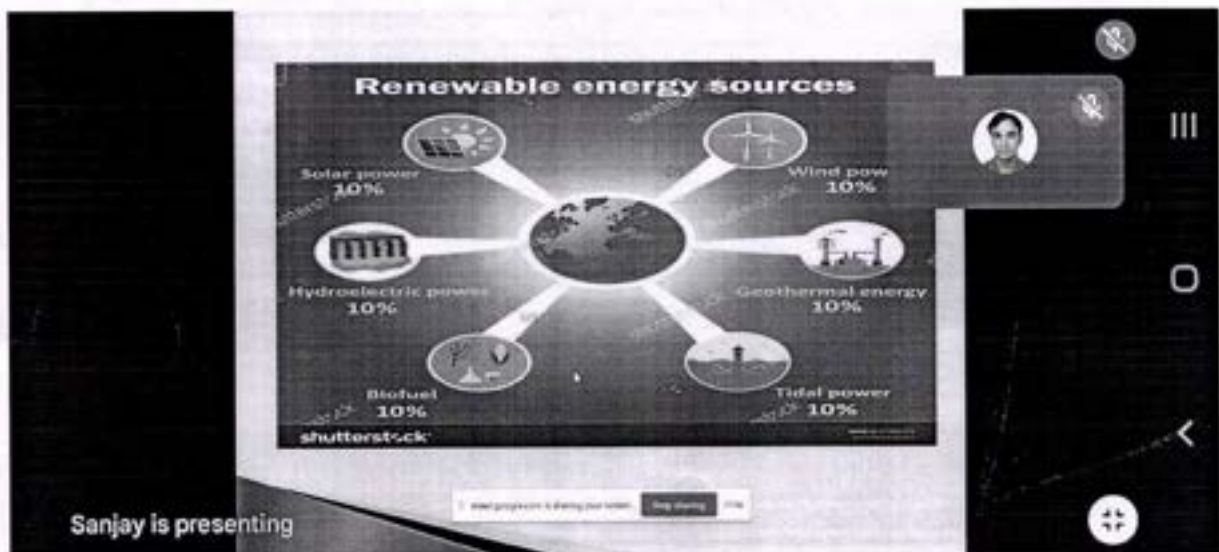


***Electrical Engineering Department***



### Activity: Webinar on Renewable Energy Sources

The Electrical Engineering (EE) Department conducted a webinar on Renewable Energy Sources. Guest speaker of the event was Mr. Sanjay Kumar Singh, Deputy Director, National Power Training Institute (NPTI), Nagpur under Ministry of Power, Government of India. Mr. Singh is a prominent figure in this field with an experience of 20+ years. Students of EE, ECE and CE participated in full zeal and got a chance to know the significance and utilization of diverse renewable energy sources for the goodwill of humanity. Not to mention the untiring efforts of HODs of all the above said departments without whom the event would not have been possible.





**GREATER NOIDA INSTITUTE OF TECHNOLOGY**

**Department of Electrical Engineering**

**Attendance sheet**

**Date: 25-02-2022**

S.No.	I.D. No.	Roll No.	Student Name	Remarks
1	190083	1901320200021	SHADAB AKHTER	P
2	200083	2001320200011	MD UBAID KHAN	P
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95	190822	1901320209004	AVINASH KUMAR	P



Mr. Nikhil Kumar Gupta  
Head of Department

Department of Electrical Engineering

Date: 11.03.2022

NOTICE

This is to inform all the faculty members and students of the department that "Expert Lecture on Webinar on Health Awareness" is being organized by the department on 16.03.2022. It is mandatory for all the students to be in proper college dress along with their college ID cards.



  
**Head of Department**  
**(Mr. Nikhil Kumar Gupta)**



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

## REPORT

## WEBINAR

*On*

**"HEALTH AWARENESS"**

16MARCH2022

*Organized by*



***Electrical Engineering Department***



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(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
9 Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddh Nagar, Uttar Pradesh-201310  
t. 0120-2328214/15/16 | 1800 274 6969    director@gniot.net.in    www.gniot.net.in



### Activity: Webinar on Health Awareness

The Electrical Engineering (EE) Department organized a webinar on Health Awareness on 16<sup>th</sup> March 2022. Guest speaker of the webinar was Dr. Ekta Agrawal, MD in homeopathy. Dr. Ekta interacted with the students of the department and illuminated them with the specifics of living a healthy life. She discussed about a lot of common health problems in our day to day life and suggested measures to treat them. She also discussed about stress management in students' as well as faculties' life. Further she offered free online consultation to the GNIOT students and faculty members as a token of thanks. Students as well as faculty members of the department participated in the webinar with full enthusiasm.





**GREATER NOIDA INSTITUTE OF TECHNOLOGY**

**Department of Electrical Engineering**

**Attendance sheet**

**Date: 16-03-2022**

S.No.	I.D. No.	Roll No.	Student Name	Remarks
1	190083	1901320200021	SHADAB AKHTER	P
2	200083	2001320200011	MD UBAID KHAN	A
3	200158	2001320200003	ANMOL KUMAR	P
4	200168	2001320200006	JISAN ALAM	P
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70	180188	1813220015	RAUSHAN KUMAR PANDEY	P
71	180203	1813220021	TAHSEEN AHMAD	P
72	180227	1813220022	VINAY KUMAR TIWARI	A
73	180252	1813220023	VIVEK KUMAR	P
74	180322	1813220011	PANKAJ PAL	P
75	180330	1813220019	STANZIN PAKTO	P
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88	180681	1813220009	KOMAL TIWARI	A
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93	190685	1901320209005	HIMANSHU SHARMA	P
94	190776	1901320209003	ANKIT KUMAR PANDEY	P
95	190822	1901320209004	AVINASH KUMAR	P



**Mr. Nikhil Kumar Gupta**  
Head of Department



Department of Electrical Engineering

Date: 25.03.2022

**NOTICE**

This is to inform all the faculty members and students of the department that a "Expert Lecture on Social behavior change in Corona times" is being organized by the department on 30.03.2022. It is mandatory for all the students to be in proper college dress along with their college ID cards.

  
  
  
**Head of Department**  
**(Mr. Nikhil Kumar Gupta)**



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

## REPORT

### EXPERT LECTURE

*On*

“SOCIAL BEHAVIOR CHANGE IN CORONA TIMES”

30MARCH2022

*Organized by*



*Electrical Engineering Department*



Activity: Social behaviour change in Corona times

The Electrical Engineering (EE) department successfully organized a webinar on Social behaviour change in Corona times on 30.03.2022. Guest speaker of the webinar was Dr. Manoj Vargeese, Senior Communication Consultant at (Johns Hopkins University, Maryland, USA) and Senior Research Associate at (CSIR, New-Delhi). Dr. Vargeese emphasized on the transformation that has come in the social behaviour of the people during and after the pandemic. He also motivated the students as well as the faculty members of the department to stay healthy and safe during this time. The students enjoyed conversation with Dr. Vargeese and promised him to follow all the guidelines to keep themselves safe. Moderator of the webinar was Mr. Aneep Kumar, Assistant Professor, EE.

**GNIOT** | TRANSFORMING STUDENTS INTO INDUSTRY READY PROFESSIONALS | 2021

DEPARTMENT OF ELECTRICAL ENGINEERING  
ORGANIZES  
ONLINE WEBINAR ON  
*Social Behaviour Change In Corona Times*

**GUEST SPEAKER**  
**Dr. Manoj Vargeese**  
Senior Communication Consultant at Johns Hopkins University, Maryland, USA  
and Senior Research Associate at CSIR, New-Delhi

**Dr. Dhruv Gupta**  
Moderator

**Mr. Nikhil Kumar Gupta**  
MOS-EE

#WEBINAR

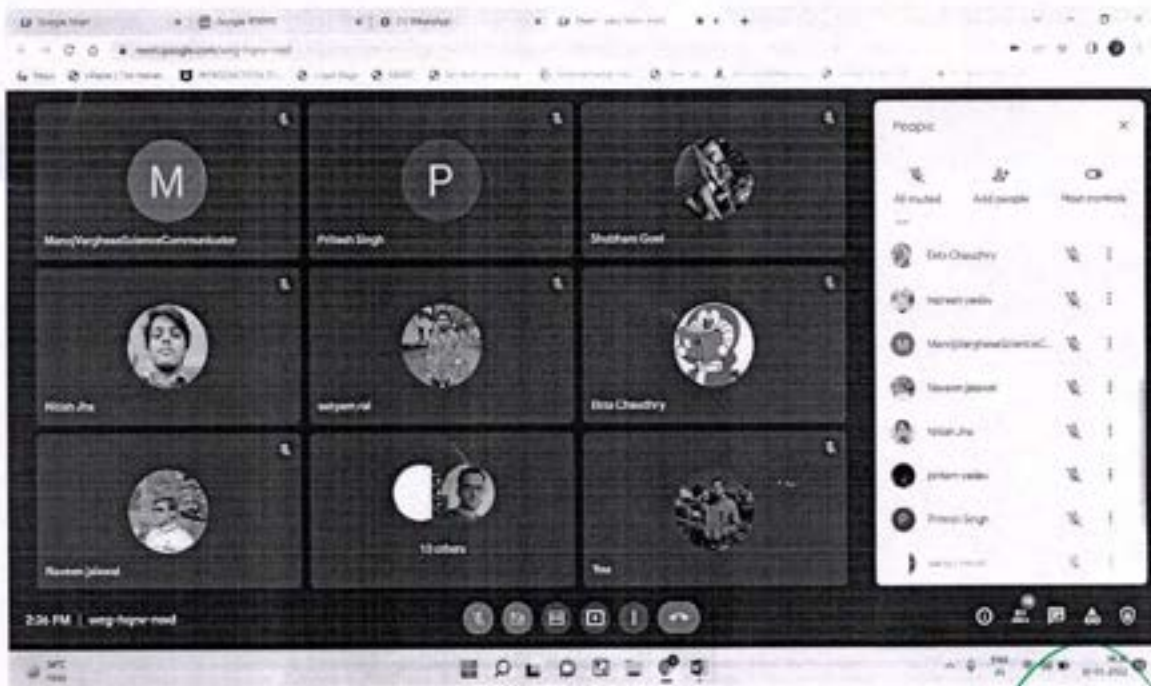
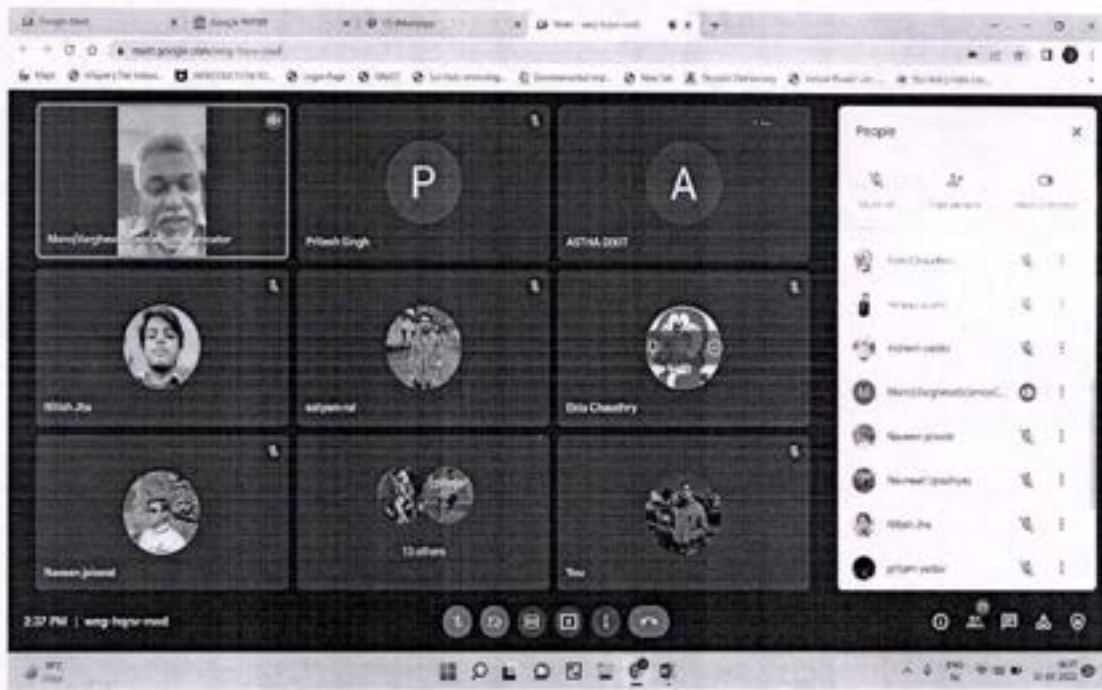
30<sup>th</sup> Wednesday  
March 2022 | 02:30 PM  
Onwards

Online Platform | Google Meet

Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201305 | www.gniotgroup.edu.in | 1800-274-6969







**GREATER NOIDA INSTITUTE OF TECHNOLOGY**

**Department of Electrical Engineering**

**Attendance sheet**

**Date: 30-03-2022**

S.No.	L.D. No.	Roll No.	Student Name	Remarks
1	190083	1901320200021	SHADAB AKHTER	A
2	200083	2001320200011	MD UBAID KHAN	P
3	200158	2001320200003	ANMOL KUMAR	P
4	200168	2001320200006	JISAN ALAM	P
5	200223	2001320200008	KUSHAGRA KUMAR	P
6	200341	2001320200020	SOFI BREEZY MINZ	A
7	200364	2001320200015	NABEEL EHSAN	P
8	200378	2001320200004	ARTI KUMARI	P
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16	2100073	2101320209020	SURYA PRAKASH NAYAK	P
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19	2100258	2101320209002	ADARSH SHARMA	A
20	2100273	2101320209010	KOMAL	P
21	2100281	2101320209004	AMIT YADAV	P
22	2100398	2101320209014	NAVEEN LOHAN	P
23	2100588	2101320209009	GAURAV	P
24	2100610	2101320209008	AYUSH TIWARI	A
25	2100620	2101320209021	SWEETY SAAWAN	P
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27	2100635	2101320209015	NITISH KUMAR SINGH	P
28	2100655	2101320209006	ARBAAZ ALI KHAN	P
29	2100657	2101320209012	MANOJ SINGH BAGHEL	P
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Mr. Nikhil Kumar Gupta  
Head of Department



Department of Electrical Engineering

Date: 01.04.2022

NOTICE

This is to inform all the faculty members and students of the department that “**Expert Lecture on Deregulation in Electric Power System**” is being organized by the department on 06.04.2022. It is mandatory for all the students to be in proper college dress along with their college ID cards.

  
Circular stamp: Greater Noida Institute of Technology (Engg.)  
Director  
Greater Noida  
Circular stamp: Greater Noida Institute of Technology (Engg.)  
Head of Department  
(Mr. Nikhil Kumar Gupta)



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

## REPORT

### EXPERT LECTURE

On

“DEREGULATION IN ELECTRIC POWER SYSTEM”

06APRIL2022

*Organized by*

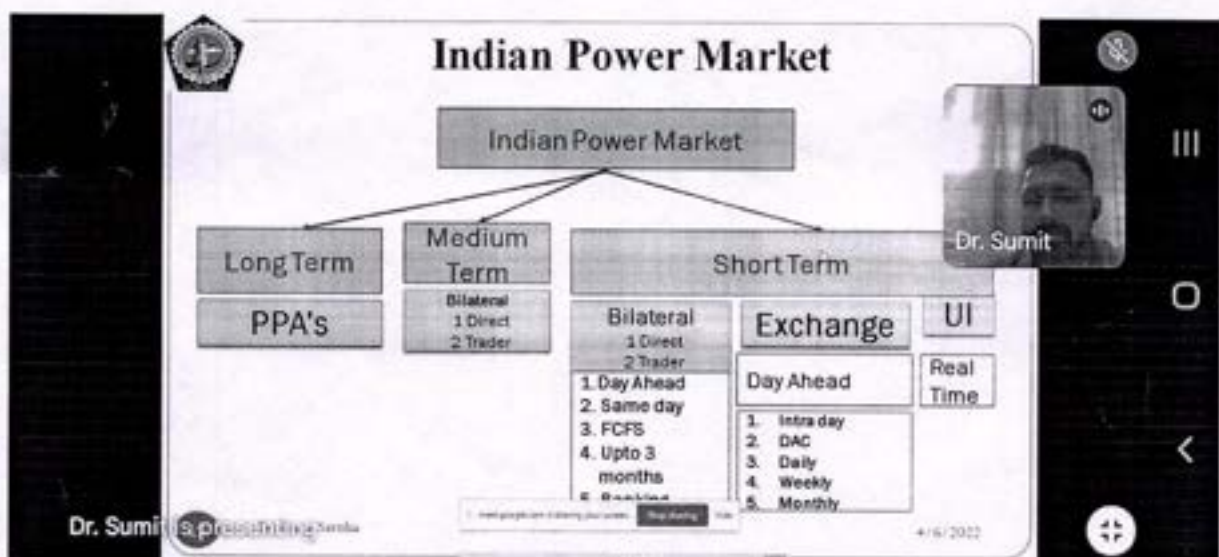


*Electrical Engineering Department*

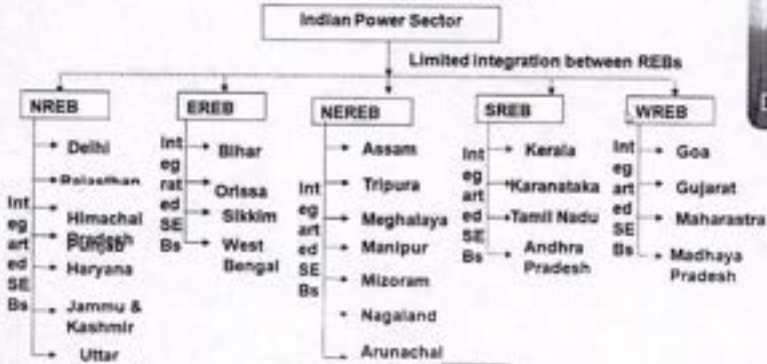


## Topic: Deregulation in Electric Power System

The Electrical Engineering (EE) Department successfully conducted a webinar entitled **Deregulation in Electric Power System** on 06.04.2022. The webinar was presided over by Dr. Sumit Saroha, Assistant Professor, Department of Electrical Engineering, Guru Jambheshwar University of Science & Technology, Hisar, Haryana. Dr. Saroha is a member of IEEE and has published several research papers in reputed international journals. He illuminated the students about the EE department about the deregulation concept in power system and made them aware of the key concepts related to generation, transmission, and distribution systems. The students found the webinar to be very interesting and informative. Dr. Bhuvnesh Khokhar was played the role of moderator.



# Structure of Indian power sector

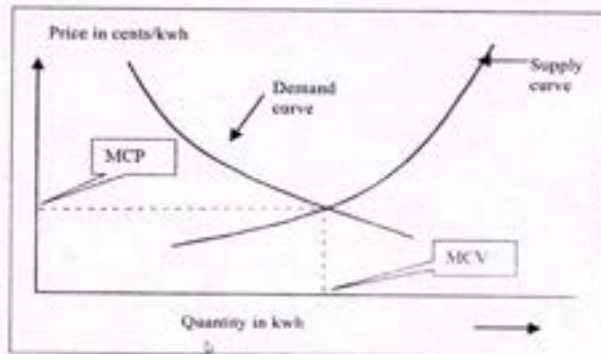


Dr. Sumit

s.p.resch@nitrr.ac.in

4/6/2022

# Demand and Supply Curve



Dr. Sumit

s.p.resch@nitrr.ac.in

4/6/2022





**GREATER NOIDA INSTITUTE OF TECHNOLOGY**

**Department of Electrical Engineering**

**Attendance sheet**

**Date: 06-04-2022**

S.No.	I.D. No.	Roll No.	Student Name	Remarks
1	190083	1901320200021	SHADAB AKHTER	P
2	200083	2001320200011	MD UBAID KHAN	P
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95	190822	1901320209004	AVINASH KUMAR	A



Mr. Nikhil Kumar Gupta  
Head of Department



Department of Electrical Engineering

Date: 06.05.2022

NOTICE

This is to inform all the faculty members and students of the department that “**Expert Lecture on Design and installation of Solar Photovoltaic System**” is being organized by the department on 11.05.2022. It is mandatory for all the students to be in proper college dress along with their college ID cards.



Head of Department  
(Mr. Nikhil Kumar Gupta)





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

## REPORT

### EXPERT LECTURE

*On*

**"DESIGN AND INSTALLATION OF SOLAR  
PHOTOVOLTAIC SYSTEM"**

11MAY2022

*Organized by*



***Electrical Engineering Department***



**Activity: Expert lecture**

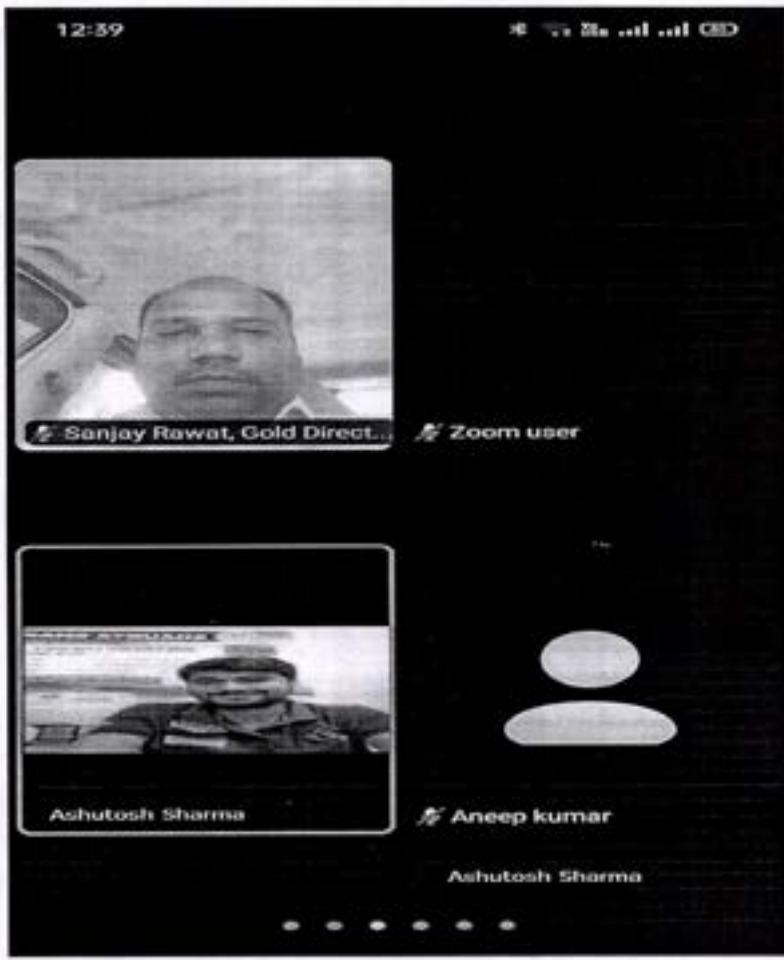
Mr. Ashutosh Sharma, Director at Amperes Energy Solutions, Noida.

He explains about the Design and installation of Solar Photovoltaic System:-

Basics of Solar PV, various components of a photovoltaic power plant such as photovoltaic modules, inverters, charge controllers, batteries, structures, and so on. Photovoltaic system types: Rooftop, ground mounted, Canal shade and floating type, on Grid off grid and hybrid, design philosophy, principles, examples and calculations. Net metering for SOLAR on grid system,

Hands-On: Site survey, weather measurements, photovoltaic system installation, Energy efficient initiatives that could be implemented by the site owner for better power management, Occupational Health and Safety Risks.





**GREATER NOIDA INSTITUTE OF TECHNOLOGY**

**Department of Electrical Engineering**

**Attendance sheet**

Date: 21-05-2022

S.No.	I.D. No.	Roll No.	Student Name	Remarks
1	190083	1901320200021	SHADAB AKHTER	P
2	200083	2001320200011	MD UBAID KHAN	A
3	200158	2001320200003	ANMOL KUMAR	P
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41	190197	1901320200004	BHANU PRAKASH	A
42	190252	1901320200007	HAMID IQBAL KHAN	P
43	190285	1901320200015	NITISH KUMAR JHA	P
44	190293	1901320200012	MOHD SAHIL	P
45	190315	1901320200017	PRITESH KUMAR SINGH	P
46	190336	1901320200019	SAKET KUMAR	A
47	190378	1901320200001	ANAND PRAKASH	P
48	190427	1901320200006	GULREZ AKHTER	P
49	190449	1901320200002	ASHISH RAJPUT	P
50	190463	1901320200005	FERAQL AZAM	P
51	190501	1901320200011	MD SHEESH	A
52	190611	1901320200013	NAVEEN JAISWAL	P
53	190620	1901320200014	NAVNEET UPADHYAY	P
54	190645	1901320200009	KARTIK MEGHWAL	P
55	190778	1901320200016	PRATEEK KASHYAP	P
56	200391	2001320209011	WAQAR AHMAD	P
57	200508	2001320209004	INDRESH KUMAR YADAV	A
58	200518	2001320209008	SATYAM RAY	P
59	200519	2001320209001	ABHISHEK CHAURASIYA	P
60	200598	2001320209006	PRITAM YADAV	P
61	200608	2001320209010	VIPIN PANDEY	P
62	200612	2001320209003	EKTA CHAUDHARY	P
63	200797	2001320209002	ARVIND KUMAR CHAURASIYA	A
64	200798	2001320209005	MOHD JARJIS RAZA	P
65	200805	2001320209007	RAFI AZAM	P
66	200842	2001320209009	VICKY KUMAR	P
67	180021	1813220006	ATUL DWIVEDI	P
68	180063	1813220008	GAURAV ROY	P
69	180150	1813220007	DEVASHISH NEGI	P



70	180188	1813220015	RAUSHAN KUMAR PANDEY	P
71	180203	1813220021	TAHSEEN AHMAD	A
72	180227	1813220022	VINAY KUMAR TIWARI	P
73	180252	1813220023	VIVEK KUMAR	P
74	180322	1813220011	PANKAJ PAL	P
75	180330	1813220019	STANZIN PAKTO	P
76	180337	1813220012	PRAVEEN KUMAR VERMA	A
77	180363	1813220003	AKHILESH YADAV	P
78	180397	1813220001	ABHINAV KASHYAP	P
79	180426	1813220013	PUNIT KUMAR PANDEY	P
80	180473	1813220005	ARYAN TIWARI	A
81	180498	1813220014	PUSHPENDRA SINGH	P
82	180535	1813220018	SHIVAM MODANWAL	P
83	180544	1813220010	MD. NEHAL	P
84	180560	1813220017	SANTOSH KUMAR	A
85	180609	1813220002	ADARSH KUMAR RAJ	P
86	180610	1813220016	RISHIKESH SINGH	P
87	180633	1813220004	ANAMIKA	A
88	180681	1813220009	KOMAL TIWARI	P
89	190006	1901320209006	MD. ZARGHAM RAZA KHAN	P
90	190216	1901320209002	ALTAZ ALAM	P
91	190228	1901320209001	AAKASH KUMAR	P
92	190524	1901320209008	PUNIT RANJAN YADAV	A
93	190685	1901320209005	HIMANSHU SHARMA	P
94	190776	1901320209003	ANKIT KUMAR PANDEY	P
95	190822	1901320209004	AVINASH KUMAR	A



Mr. Nikhil Kumar Gupta  
Head of Department





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

## DEPARTMENT OF CIVIL ENGINEERING

Ref: - No. GNIOT/CE/WORKSHOP/04

Date: 03.10.2021

### NOTICE

This is to inform all that the **Civil Engineering Department** is organizing an **Seminar** on the topic of "Advancement in Concrete Technology and New Inventions" on **08/10/2021** from **10:00 AM to 12:00 PM**. Mr. Rajeev Pandey, Quality Head & Mr. Manish Verma, Head - Value Added Services, ACC Limited India The online link will be shared with all groups within 30 minutes before the start of the event. The students are asked to participate fully and requested to attend the event on time.





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

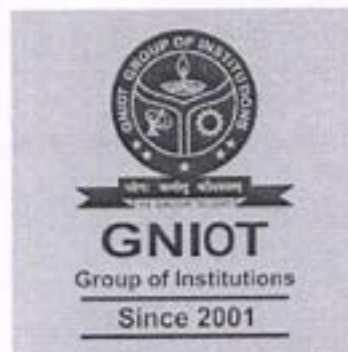
## WORKSHOP

On

“ADVANCEMENT IN CONCRETE TECHNOLOGY AND NEW  
INVENTIONS”

08 OCTOBER 2021

Organized by



Department of Civil Engineering  
Greater Noida Institute of Technology, Greater Noida





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

**Name of Event:** Seminar on Advancement in Concrete Technology and New Inventions

**Date of Event:** 08<sup>th</sup> October, 2021

**Organised by:** Department of CE in association with ACC Limited India

**Experts:** Mr. Rajeev Pandey, Quality Head & Mr. Manish Verma, Head - Value Added Services, ACC Limited India

**Event Moderator:** Mr. Tabish Quadri

**Event Poster:**



**GNIOT**  
GROUP OF INSTITUTIONS

TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS



**DEPARTMENT OF CIVIL ENGG.**

ORGANISING SEMINAR

ON

*“Advancement in concrete  
Technology and new inventions”*



GUEST SPEAKER



**Mr. RAJEEV PANDEY**  
QUALITY HEAD  
ACC LIMITED INDIA



Dr. Praveer Singh  
Director General



Dr. Dhiraj Gupta  
Director



DR. R.K. SHARMA  
HOD-CE



Mr. TABISH QUADRI  
Moderator

08, Friday  
October, 2021

10:00 AM  
01:00 PM

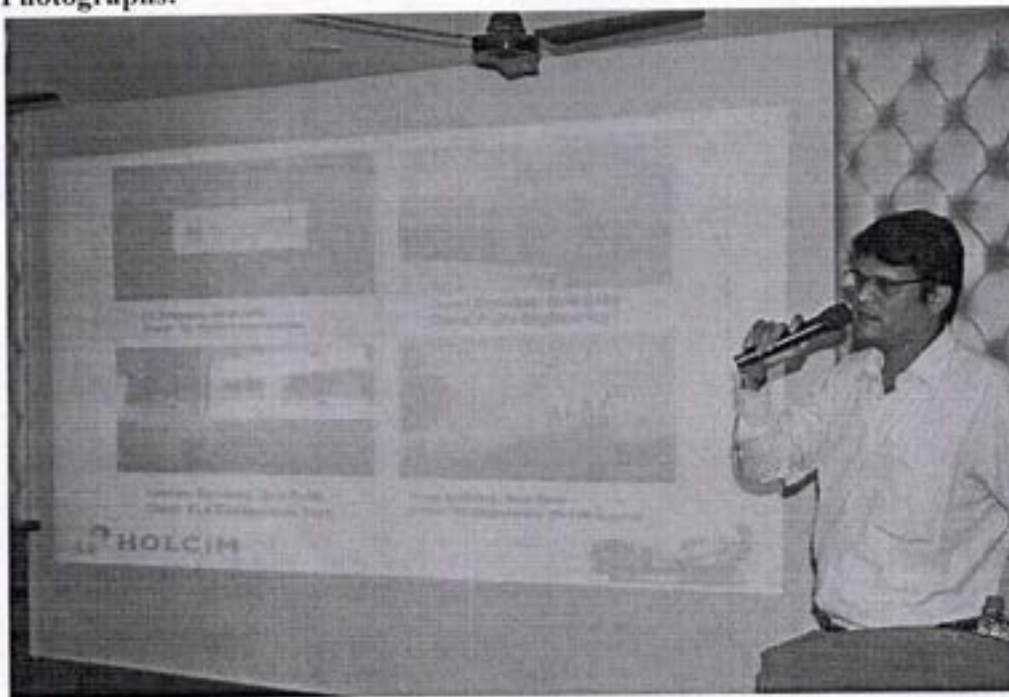
Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-9969

  
 Director  
 Greater Noida Institute of Technology



**Event Description:** The Department of Civil Engineering organised a seminar for all civil engineering students, on the topic 'Advancement in Concrete Technology & New Inventions' on Friday, 08th October 2021. Our esteemed guest speakers for the event were Mr. Rajeev Pandey, Quality Head (North India), ACC Ltd and Mr. Manish Verma, Head - Value added services, ACC Ltd. The seminar was an interactive experience for the students, & provided them to with an opportunity to get insights into the practical world of engineer.

**Photographs:**





**GNIOT**  
ENGINEERING INSTITUTE

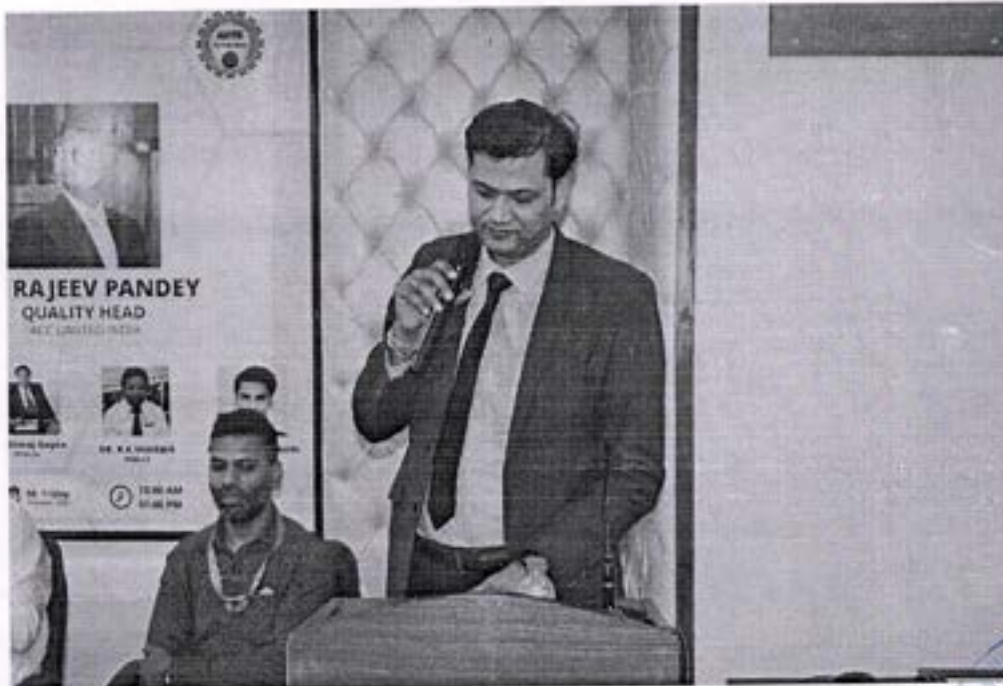
ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**



*[Handwritten signature in green ink]*  
Director  
Greater Noida Institute of Technology  
Greater Noida



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)



Greater Noida Institute of Technology (Engg. Instt.)  
Director  
Greater Noida



Sl. No	Student Name	Student Roll Number	Attendance
1	ANKITA RAWAT	1901320000009	P
2	ARUSHI SINGH	1901320000011	P
3	ASHUTOSH KUMAR	1901320000013	P
4	ASHWANI NEEM	1901320000014	P
5	DHANANJAY YADAV	1901320000016	P
6	FAISAL AHMAD	1901320000018	A
7	HASAN SAHREYAR	1901320000020	P
8	JAYVIND KUMAR YADAV	1901320000022	P
9	KRISHNA KUMAR	1901320000023	P
10	MANISH KUMAR	1901320000025	P
11	MD. SADIQUE IQBAL	1901320000026	A
12	MD SERAJ SIDDIQUEE	1901320000028	A
13	MD SHAQUIB	1901320000029	P
14	MOHD TALIB	1901320000030	P
15	MRITYUNJAY MISHRA	1901320000031	P
16	OM KUMAR OM	1901320000032	P
17	SACHIN GAUTAM	1901320000041	A
18	ATUL BODUNG	1713200018	A
19	KARAN DUBEY	1713200033	A
20	ATUL SAXENA	1813200006	P
21	FAIZAN AHMAD	1813200007	P
22	HARSHRAJ SINGH	1813200009	P
23	KAUSHIK JHA	1813200012	A
24	MD.SHAREEB	1813200015	A
25	MD.ZEESHAN	1813200016	A
26	PARWEZ ALAM	1813200019	P
27	PRADEEP VERMA	1813200020	P
28	RAGHVENDRA SINGH	1813200021	P
29	RAJ GOSWAMI	1813200022	P




30	SACHIN YADAV	1813200023	P
31	SAGAR KUMAR MALAKAR	1813200024	P
32	SAHAJ SHANDILYA	1813200025	P
33	SHANKAR PRAKASH	1813200030	P
34	SHRISTI SINGH YADAV	1813200033	P
35	SRIJAN SAROJ	1813200035	P
36	SUMIT SAURABH	1813200036	P
37	VISWAJEET MISHRA	1813200041	P
38	ABHINAV KUMAR SINHA	1901320009001	P
39	AMIT KUMAR	1901320009002	P
40	AMIT PASWAN	1901320009003	P
41	ARIF RAZA	1901320009004	P
42	KAUSHAR IMAM	1901320009005	P
43	SHUBHAM KUMAR SINGH	1901320009008	P
44	AMRENDRA PATHAK	1613200016	P
45	DUSHYANT KUMAR	1613200031	P
46	SHADAB ANWER	1613200113	P
47	SUMIT SHEKHAR	1613200123	P
48	YASH TRIPATHI	1613200132	P
49	AHAMAD RAZA	1713200004	P
50	ALTAF AHMAD KHAN	1713200006	P
51	AMIT AMBAWAT	1713200007	P
52	ANAYAT KHALIQ LONE	1713200010	P
53	ANIT KUMAR	1713200012	P
54	ANKIT KUMAR	1713200013	P
55	ASIF NABI	1713200017	P
56	AVINASH SHEKHAR	1713200020	P
57	AVINASH SINGH BAGHEL	1713200021	P
58	KOUSHAL YADAV	1713200034	P





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

## DEPARTMENT OF CIVIL ENGINEERING

Ref: - No. GNIOT/CE/WORKSHOP/05

Date: 21.02.2022

### NOTICE

This is to inform all that the **Civil Engineering Department** is organizing a **Seminar** on the topic of "Advancement in Concrete Technology and New Inventions" on **24/02/2022** from **10:00 AM to 12:00 PM**. MS Neha Goyal is an IPR Practitioner The online link will be shared with all groups within 30 minutes before the start of the event. The students are asked to participate fully and requested to attend the event on time.





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

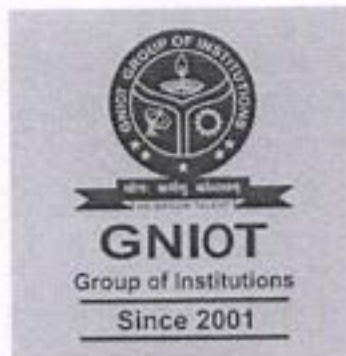
**WORKSHOP**

On

**“INTELLECTUAL PROPERTY RIGHTS IPR’s  
AND  
IP MANAGEMENT FOR STARTUP”**

**24 FEB 2022**

**Organized by**



**Department of Civil Engineering  
Greater Noida Institute of Technology, Greater Noida**



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

**EVENT TITLE:** WORKSHOP ON INTELLECTUAL ROPERTY RIGHTS IPR's AND IP MANAGEMENT FOR STARTUP

**PARTICIPANTS:** All Engineering Students & Faculty members

**Expert:**

Ms. Neha Goyal (Bioinformatics- Gold Medalist) | Director- Patents, UniPatrde Consultants LLP, Noida, UP

**Profile of the Expert**





## ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट) GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

Neha Goyal is an IPR Practitioner, having a total working experience of 14 years in Intellectual Property Rights (Patents). She is a Gold Medalist in Bioinformatics from Panjab University, Chandigarh, and served three years as Lecturer in a couple of reputed colleges. Thereafter, she moved to a couple of International IPR firms.

She has extensive hands-on experience in handling Patent Analytics, Patent Drafting, Patent Filing, Patent Prosecution, Trademark, Design & Copyright related portfolios. She has worked for prestigious clients like Boston Scientific, Unilever, GSK, Top Glove, TelAviv University, Uflex Ltd, and many startups. She understands the IPR laws of India, Europe, UK, US, Australia, and Canada. Currently, she is the founder of UniPatrde Consultants LLP and heading a team of 8-10 Technical and Legal Professionals.

### Report

Institution's Innovation Council (an Initiative of Ministry of Education, Government of India), MSME Business Incubation Center (an Initiative of Ministry of MSME, Government of India) in association with Civil and Mechanical Engineering Department organized an Industrial Visit on 24-02-2022 at 10:00 A.M. to 12:00 P.M. Several research models placed at Pre-Incubation centre was demonstrated and explained by the experts including IOT based Smart Dustbin, Elevated Water tank, Automatic Drainage Cleaner, Smart mover, Gas kit for two-wheeler, Sewage treatment plant, and Solar pesticide spray machine.

### Outcome of the Program

1. Students gained experience of how to protect their innovation activities by using intellectual property rights.
2. It helped in enhancing interpersonal skills and Innovation techniques.
3. Participants got clear idea about how file patent on their idea and enhanced their innovative thinking.
4. This Session has broken monotony and sparks interest in the innovation
5. Such activities develop a sense of responsibility among the students and make them confident to work in a learning environment.





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

**Photographs**





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)



Greater Noida Institute of Technology  
Director  
Greater Noida





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

List of students

Sl. No	Student Name	Student Roll Number	Attendance
1	ADARSH BABU	2001320000002	Present
2	GAUTAM KUMAR	2001320000005	Present
3	SANJEEV KUMAR KAMBOJ	2001320000023	(A)
4	HIMANSHU SINGH	2001320000007	Present
5	MD RAJA	2001320000013	Present
6	ROHIT RAJ	2001320000022	Present
7	RAVI CHOUDHARY	2001320000019	(A)
8	NADEEM EHSAN	2001320000017	Present
9	ZUBAIR SIDDIQUI	2001320000031	Present
10	ROHIT PAL	2001320000021	(A)
11	MEHUL DEV	2001320000016	Present
12	KHUSHNOOD ALAM	2001320000008	Present
13	TASLIM ASHRAF	2001320000029	(A)
14	RAHUL CHAUDHARY	2001320000018	Present
15	MD FASIHUDDIN	2001320000011	Present
16	SUMIT SINGH RAWAT	2001320000028	(A)
17	LAKSHYA MALVIYA	2001320000010	Present
18	SHABIR ALI	2001320000025	Present

Director  
Greater Noida Institute of Technology (Engg. Instt.)  
Greater Noida


**GNIOT**  
Greater Noida Institute of Technology
**ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)**  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

19	KM ESHA JAISWAL	2001320000009	Present
20	HIMANSHU KUMAR	2001320000006	Present
21	RITESH KUMAR YADAV	2001320000020	Present
22	MD ARBAZ	2101320008001	(A)
23	GOLDY SHANDILYA	2101320009008	Present
24	AQUIB JAMAL	2101320009004	Present
25	MOHD MAIRAJUDDIN	2101320009017	(A)
26	AMBIKA BARMAN	2101320009003	Present
27	SHIVANI SINGH	2101320009025	Present
28	PANKAJ RAWAT	2101320009020	Present
29	DIVYANSH DESHWAL	2101320009007	(A)
30	KARSONI DONG	2101320009010	Present
31	GAURAV SHARMA	2101320009009	Present
32	DEV SHARMA	2101320009006	(A)
33	MD MOIEN RAJA	2101320009014	Present
34	SAMUEL MALLING	2101320009023	Present
35	SIMRAN	2101320009026	Present
36	PRADEEP KUMAR	2101320009021	(A)
37	MD ARQAM SHAMS	2101320009005	Present
38	MOHD MUHADDIS KHAN	2101320009018	(A)





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

39	VAIBHAV SINGH	2101320009028	Present
40	MD SHAGIL ANWAR	2101320009016	Present
41	KM NAINSI SINGH	2101320009011	(A)
42	AMAN GUPTA	2101320009002	Present
43	MUITA JAMATIA	2101320009019	Present
44	ABHISHEK KUMAR	2101320009001	(A)
45	KULDEEP	2101320009012	Present
46	MD MUJTABA	2101320009015	Present
47	KUMAR RUPESH	2101320009013	(A)
48	SHIVAM SINGH	2101320009024	Present
49	AAREEZ NASEEM	1901320000001	Present
50	ABHAY KUMAR	1901320000002	Present
51	ABHISHEK	2001320009001	(A)
52	AKHILESH KUMAR	1901320000007	Present
53	AMIT KUMAR SONI	2001320009005	Present
54	AMRESH KUMAR SAH	1901320000008	(A)
55	ANKITA RAWAT	1901320000009	Present
56	ANUBHAV BHATI	1901320000010	Present
57	ARUSHI SINGH	1901320000011	(A)
58	ASHHAR NEYAZ	1901320000012	Present
59	ASHUTOSH KUMAR	1901320000013	Present
60	ASHWANI NEEM	1901320000014	Present
61	BABAR AHMAD SAIFI	2001320009006	(A)





**GNIOT**  
GREATER NOIDA INSTITUTE OF TECHNOLOGY

ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

**DEPARTMENT OF CIVIL ENGINEERING**

Ref: - No. GNIOT/CE/EVEN/EXPERTTALK/08

Date: 23.01.2022

**NOTICE**

This is to inform the students that as per the academic calendar the department are organizing a virtual Webinar on 'Applications of GIS & Remote Sensing in Civil Engineering' for the current semester, continuing the same practice you all are informed that the webinar is being organized on 25<sup>th</sup> January 2022.

The students are requested to Present in full strength and take the maximum benefits of the webinar.





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

**“WEBINAR ON APPLICATIONS OF GIS &  
REMOTE SENSING IN CIVIL ENGINEERING”**

**25 JANUARY 2022**

*Organized by*



**Department of Civil Engineering  
Greater Noida Institute of Technology, Greater Noida**





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

Event Poster:



TRANSFORMING STUDENTS  
 INTO INDUSTRY READY  
 PROFESSIONALS



DEPARTMENT OF CIVIL ENGINEERING IS ORGANIZING A WEBINAR

ON

*Application of GIS & RS in Civil Engineering*

BY GNIOT, GREATER NOIDA



**Dr. Bratati Dey**

Head Faculty, GIS & Remote Sensing  
 Swatik Edustart



**Dr. Dhiraj Gupta**  
 Director



**Dr. Rajesh Kr. Sharma**  
 HOD-CE



**Mr. Saurav Yadav**  
 Moderator

@WEBINAR



25<sup>th</sup>, Tuesday  
 January, 2022



03:00 PM  
 05:00 PM



Google Meet

Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201310 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6369





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

**Name of Event:** Webinar on 'Applications of GIS & Remote Sensing in Civil Engineering'

**Date of Event:** 25<sup>th</sup> January, 2022

**Organised by:** Department of CE in association with Swastik Edustart Institute of GIS & RS, New Delhi

**Experts:** Dr. Bratati Dey, Head Faculty, GIS & Remote Sensing

**Event Moderator:** Mr. Saurav Yadav

**Event Description:** The Department of Civil Engineering organized had organized a webinar on 'Applications of GIS & Remote Sensing in Civil Engineering' on 25<sup>th</sup> January, 2022. The guest speaker for the event was Dr. Bratati Dey, Head Faculty, GIS & Remote Sensing in Swastik Edustart Institute of GIS & RS, New Delhi. The session was conducted to provide students with the knowledge of two latest technologies of modern surveying: Geographic Information System (GIS) and Global Positioning System (GPS), their applications as well as outcomes. Students were also made aware of the vast plethora of job opportunities related to these two technologies. The entire session was very informative, interactive & knowledgeable for everyone.

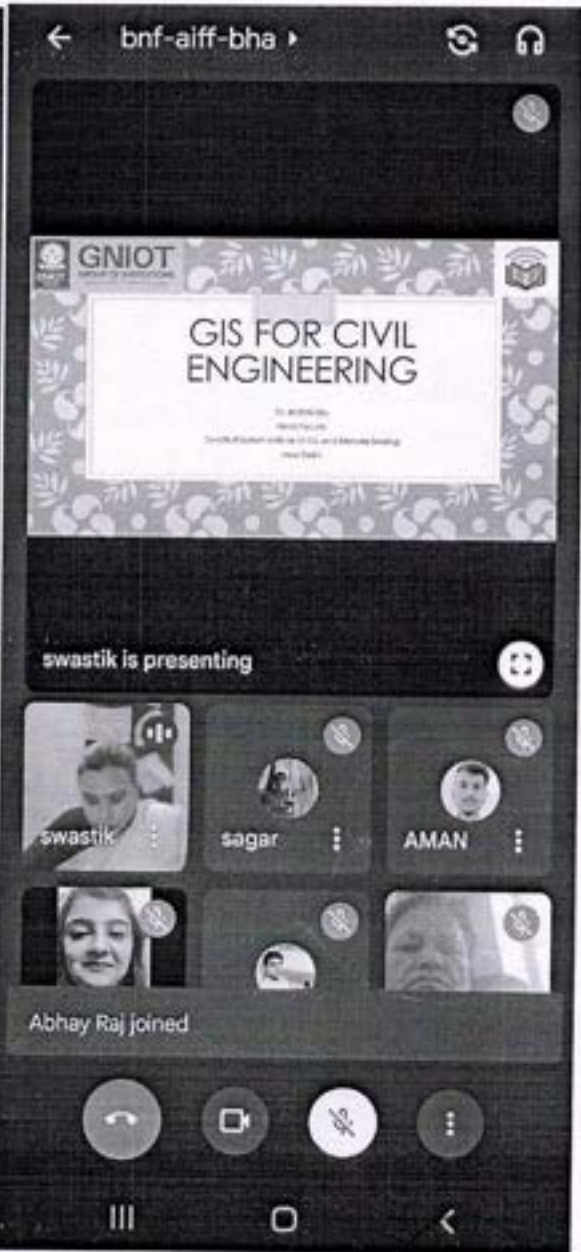




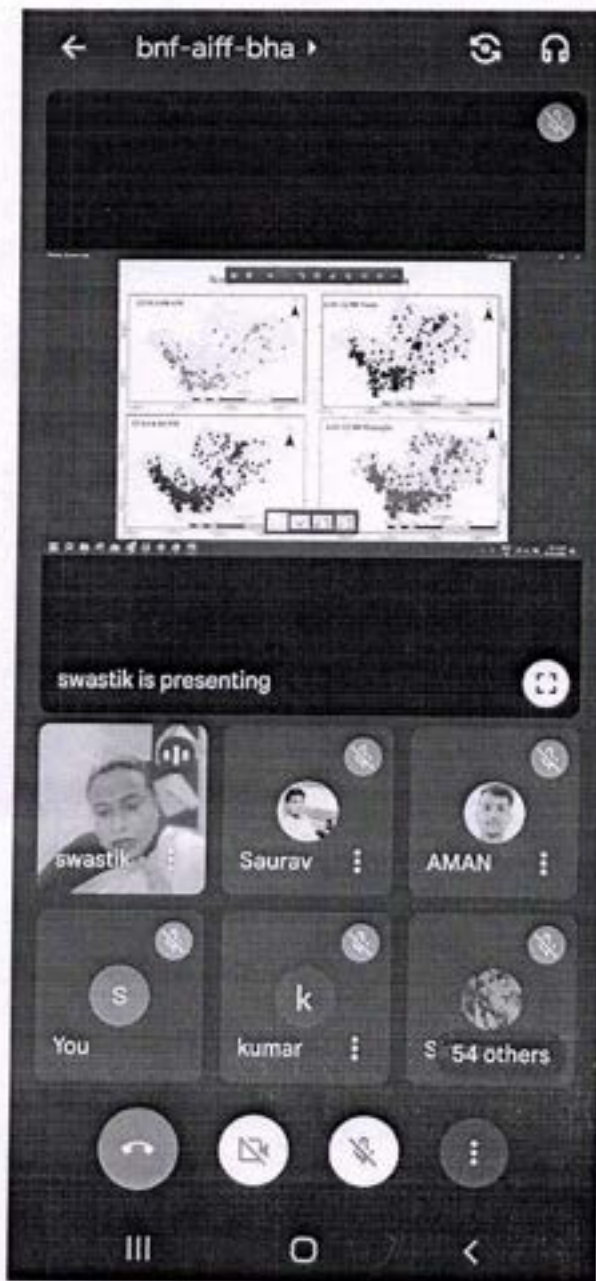
**GNIOT**  
GREATER NOIDA INSTITUTE OF TECHNOLOGY

ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

**Photographs:**







Director  
Greater Noida Institute of Technology  
Greater Noida



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**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

**List of Students**

Sl. No	Student Name	Student Roll Number	Attendance
1	ADARSH BABU	2001320000002	l
2	GAUTAM KUMAR	2001320000005	l
3	SANJEEV KUMAR KAMBOJ	2001320000023	A
4	HIMANSHU SINGH	2001320000007	l
5	MD RAJA	2001320000013	l
6	ROHIT RAJ	2001320000022	l
7	RAVI CHOUDHARY	2001320000019	l
8	NADEEM EHSAN	2001320000017	l
9	ZUBAIR SIDDIQUI	2001320000031	l
10	ROHIT PAL	2001320000021	A
11	MEHUL DEV	2001320000016	A
12	KHUSHNOOD ALAM	2001320000008	l
13	TASLIM ASHRAF	2001320000029	l
14	RAHUL CHAUDHARY	2001320000018	l
15	MD FASIHUDDIN	2001320000011	l
16	SUMIT SINGH RAWAT	2001320000028	l
17	LAKSHYA MALVIYA	2001320000010	A
18	SHABIR ALI	2001320000025	l
19	KM ESHA JAISWAL	2001320000009	A
20	HIMANSHU KUMAR	2001320000006	l
21	RITESH KUMAR YADAV	2001320000020	l
22	MD ARBAZ	2101320008001	l

  
Director  
Greater Noida Institute of Technology  
Greater Noida

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**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

23	GOLDY SHANDILYA	2101320009008	P
24	AQUIB JAMAL	2101320009004	A
25	MOHD MAIRAJUDDIN	2101320009017	P
26	AMBIKA BARMAN	2101320009003	P
27	SHIVANI SINGH	2101320009025	P
28	PANKAJ RAWAT	2101320009020	P
29	DIVYANSH DESHWAL	2101320009007	P
30	KARSONI DONG	2101320009010	P
31	GAURAV SHARMA	2101320009009	A
32	DEV SHARMA	2101320009006	P
33	MD MOIEN RAJA	2101320009014	P
34	SAMUEL MALLING	2101320009023	P
35	SIMRAN	2101320009026	P
36	PRADEEP KUMAR	2101320009021	P
37	MD ARQAM SHAMS	2101320009005	P
38	MOHD MUHADDIS KHAN	2101320009018	P
39	VAIBHAV SINGH	2101320009028	P
40	MD SHAGIL ANWAR	2101320009016	P
41	KM NAINSI SINGH	2101320009011	P
42	AMAN GUPTA	2101320009002	P
43	MUITA JAMATIA	2101320009019	P
44	ABHISHEK KUMAR	2101320009001	P
45	KULDEEP	2101320009012	P
46	MD MUJTABA	2101320009015	P
47	KUMAR RUPESH	2101320009013	P





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**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

**DEPARTMENT OF CIVIL ENGINEERING**

Ref: - No. GNIOT/CE/ODD/EVENTS/EXPERTTALK/10

Date: 22.02.2022

**NOTICE**

This is to inform the students that as per the academic calendar the department is organizing an online Expert Talk on the topic "Renewable Energy Resources" for the current semester, on 25<sup>th</sup> February 2022 from 03 PM to 05 PM.

The students are requested to be present in full strength and take the maximum benefits of the expert talk.





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

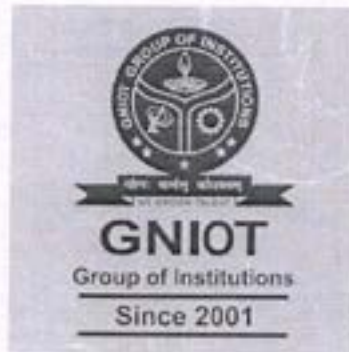
**Expert Talk**

*On*

**“Renewable Energy Resources”**

**25 FEB 2022**

*Organized by*



**Department of Civil Engineering  
Greater Noida Institute of Technology, Greater Noida**





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

**Name of Event:** Webinar on Renewable Energy Resources

**Date of Event:** 25<sup>th</sup> February, 2022

**Organised by:** Department of CE in association with Department of EE & EC

**Experts:** Mr. Sanjay K Singh, Deputy Director, NPTI Nagpur



TRANSFORMING STUDENTS  
 INTO INDUSTRY READY  
 PROFESSIONALS



## DEPARTMENT OF EE|EC|CE

ORGANIZE

WEBINAR ON

# "Renewable Energy Resources"



RESEARCH PERSON  
**Mr. Sanjay K. Singh**  
 Dy. Director  
 NPTI, Nagpur



(Prof.) **Dr. Dheeraj Gupta**  
 Director



**Dr. Nikhil Kr. Gupta**  
 HOD (EE)



**Dr. Mukesh Ojha**  
 HOD (ECE)



**Dr. Rajesh Kr. Sharma**  
 HOD (CE)

#WEBINAR



25<sup>th</sup>, Friday  
 February, 2022



03:00 PM  
 05:00 PM

Online Platform



Google Meet

Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | www.gniotgroup.edu.in | 1100-274-6969

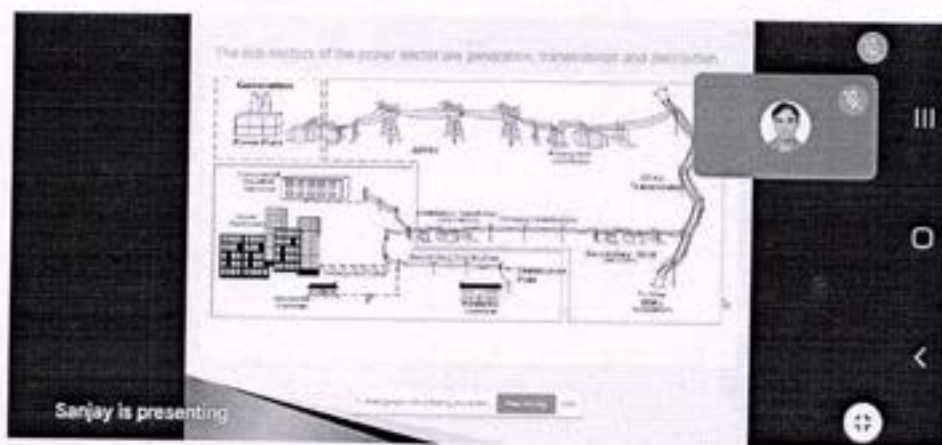


**Event Description:** The Department of Civil Engineering in association with Departments of Electrical Engineering and Electronics & Communication Engineering organized a Webinar on Renewable Energy Resources, for all engineering students of all 3 branches, on Friday, 25<sup>th</sup> February, 2022. Our esteemed guest speaker for the event was Mr. Sanjay K Singh, Deputy Director, NPTI Nagpur.

The program intended to teach students about the advantages of renewable energy resources. Renewable energy is any form of energy available in the natural environment and can be replenished repeatedly. The concept of Sustainable Development & Environment Impact Assessment was discussed.

**Photographs:**




**List of Students**

SL NO	NAME	ROLL NO	Attendance
1	AAREEZ NASEEM	1901320000001	A
2	ABHAY KUMAR	1901320000002	P
3	ABHISHEK	2001320009001	P
4	AKHILESH KUMAR	1901320000007	A
5	AMIT KUMAR SONI	2001320009005	P
6	AMRESH KUMAR SAH	1901320000008	P
7	ANKITA RAWAT	1901320000009	A
8	ANUBHAV BHATI	1901320000010	P
9	ARUSHI SINGH	1901320000011	P
10	ASHHAR NEYAZ	1901320000012	A
11	ASHUTOSH KUMAR	1901320000013	P
12	ASHWANI NEEM	1901320000014	P
13	BABAR AHMAD SAIFI	2001320009006	P
14	CHHOTE LAL YADAV	2001320009007	P
15	DEEPANSHU GARG	2001320009008	P
16	DHANANJAY YADAV	1901320000016	A
17	DIPTANU DAS	2001320009009	P
18	FAISAL AHMAD	1901320000018	P
19	HASAN SAHREYAR	1901320000020	P
20	HIMANSHU KUMAR	1901320000021	A
21	HONEY SHARMA	2001320009010	P
22	HRITIK SRIVASTAV	2001320009011	P
23	JAYVIND KUMAR YADAV	1901320000022	A





24	KRISHNA KUMAR	1901320000023	P
25	MANISH KUMAR	1901320000025	P
26	MD FAIZAN SHAMSHI	2001320009013	A
27	MD SERAJ SIDDIQUEE	1901320000028	P
28	MD SHAQUIB	1901320000029	P
29	MD. SADIQUE IQBAL	1901320000026	P
30	MOHAMMAD SAMAR	2001320009014	A
31	MOHD SAMAD	2001320009015	P
32	MOHD TALIB	1901320000030	P
33	MOHD. ASHAR KHAN	2001320009016	P
34	MOHSIN SARFARAZ	2001320009017	P
35	MRITYUNJAY MISHRA	1901320000031	A
36	MUSHRRAF ALI	2001320009018	P
37	OM KUMAR OM	1901320000032	P
38	RAHUL KASHYAP	1901320000036	P
39	RAJAK ANSARI	2001320009021	P
40	RAMASHANKAR KUMAR	1901320000037	A

  
Director  
Greater Noida Institute of Technology



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GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

DEPARTMENT OF CIVIL ENGINEERING

Ref: - No. GNIOT/CE/EVEN/EVENTS/EXPERTTALK/09

Date: 21.02.2022

NOTICE

This is to inform the students that as per the academic calendar the department is organizing an online Expert Talk on the topic "Virtual Student Development Program on How to Stay Safe on the Internet" for the current semester, on 23<sup>rd</sup> February 2022 from 10 AM to 11 AM.

The students are requested to be present in full strength and take the maximum benefits of the expert talk.





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

**Expert Talk**

*On*

“Virtual Student Development Program on How to Stay Safe on  
the Internet”

**23 FEB 2022**

*Organized by*



**Department of Civil Engineering  
Greater Noida Institute of Technology, Greater Noida**



**Name of Event:** Virtual Student Development Program on How to Stay Safe on the Internet

**Date of Event:** 23<sup>rd</sup> February, 2022

**Organised by:** Department of CE in association with Prutor@IIT- Kanpur

**Experts:** Mr. Rahul Garg, Internet Security Sepecialist

**Event Moderator:** Mr. Tabish Quadri

**Event Description:** The Department of Civil Engineering organized a Virtual Student Development Program on How to Stay Safe on the Internet, for all civil engineering students, on Wednesday, 23<sup>rd</sup> February, 2022. Our esteemed guest speaker for the event was Mr. Rahul Garg, Internet Security Specialist.

The program intended to teach students that by practicing online safety, we can prevent and mitigate the risks that are inherently involved with using digital technologies, platforms and services. Once the risks are managed, the internet can be enjoyed free from harm and to enormous benefit.

**Photographs:**





*Rahul Garg*  
Director  
Greater Noida Institute of Technology (Engg.)  
Greater Noida, U.P.



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**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

**List of students**

SL NO	NAME	ROLL NO	Attendance
1	AAREEZ NASEEM	1901320000001	P
2	ABHAY KUMAR	1901320000002	P
3	ABHISHEK	2001320009001	A
4	AKHILESH KUMAR	1901320000007	P
5	AMIT KUMAR SONI	2001320009005	P
6	AMRESH KUMAR SAH	1901320000008	A
7	ANKITA RAWAT	1901320000009	A
8	ANUBHAV BHATI	1901320000010	P
9	ARUSHI SINGH	1901320000011	A
10	ASHHAR NEYAZ	1901320000012	A
11	ASHUTOSH KUMAR	1901320000013	P
12	ASHWANI NEEM	1901320000014	P
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14	CHHOTE LAL YADAV	2001320009007	P
15	DEEPANSHU GARG	2001320009008	P
16	DHANANJAY YADAV	1901320000016	P
17	DIPTANU DAS	2001320009009	A
18	FAISAL AHMAD	1901320000018	A
19	HASAN SAHREYAR	1901320000020	P
20	HIMANSHU KUMAR	1901320000021	P
21	HONEY SHARMA	2001320009010	P
22	HRITIK SRIVASTAV	2001320009011	A
23	JAYVIND KUMAR YADAV	1901320000022	A
24	KRISHNA KUMAR	1901320000023	P
25	MANISH KUMAR	1901320000025	P
26	MD FAIZAN SHAMSHI	2001320009013	A
27	MD SERAJ SIDDIQUEE	1901320000028	P
28	MD SHAQUIB	1901320000029	A
29	MD. SADIQUE IQBAL	1901320000026	A
30	MOHAMMAD SAMAR	2001320009014	P
31	MOHD SAMAD	2001320009015	A
32	MOHD TALIB	1901320000030	P
33	MOHD. ASHAR KHAN	2001320009016	A
34	MOHSIN SARFARAZ	2001320009017	P

  
Director  
Greater Noida Institute of Technology  
Greater Noida



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**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

35	MRITYUNJAY MISHRA	1901320000031	A
36	MUSHRAAF ALI	2001320009018	P
37	OM KUMAR OM	1901320000032	P
38	RAHUL KASHYAP	1901320000036	P
39	RAJAK ANSARI	2001320009021	A
40	RAMASHANKAR KUMAR	1901320000037	P

Director  
Greater Noida Institute of Technology  
Greater Noida

**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 17<sup>th</sup> September 2021**NOTICE**

It is hereby informed to all the students that as per the academic calendar the Mechanical Engineering Department is organizing an expert talk by guest Dr. Somnath Chattopadhyaya (Professor at IIT(ISM) Dhanbad) on **"Hybrid Additive Manufacturing"** on 25<sup>th</sup> September 2021.

The students are advised to present in full strength and take the maximum benefit from the event.



Dr. Iqbal Ahmed Khan  
(HOD-ME)

**Copy to;**

1. The Director; For kind information please
2. All concerned
3. Notice boards





Mechanical Engineering Department is organizing

WEBINAR ON

# "HYBRID ADDITIVE MANUFACTURING"



**Dr. SOMNATH CHATTOPADHYAYA**

Associate Professor,  
Department of Mechanical Engineering,  
IIT(ISM) Dhanbad, Jharkhand, India



**Dr. Pranveer Singh**  
(Director General)



**Dr. Dhiraj Gupta**  
(Director)




**Dr. Rajeev Kumar**  
HOD (ME)



**Dr. Avinash Ravi Raja**  
Moderator

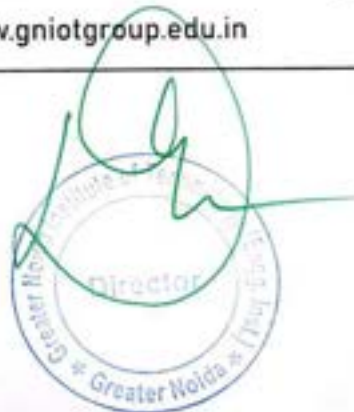
 Date - 25.09.2021 | Timing 10:30AM to 11:30AM

 Plot No. 7, Knowledge Park II  
Greater Noida, Uttar Pradesh 201310

[www.gniotgroup.edu.in](http://www.gniotgroup.edu.in)



1800-274-6969



**“EXPERT TALK ON “Hybrid Additive Manufacturing” ”**

**By Guest:- DR. SOMNATH CHATTOPADHAYAYA**

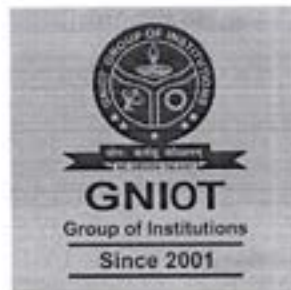
(PROFESSOR AT IIT(ISM) DHANBAD)

*25 Sept, 2021*

*(10:30 AM to 11:30 AM)*

*Organized by*

**Department of Mechanical Engineering**



**Mechanical Engineering Department**

**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida- 201308

[www.gniot.net.in](http://www.gniot.net.in)



## Activity Report

- Department: -** MECHANICAL ENGINEERING.
- Activity: -** EXPERT TALK ON “Hybrid Additive Manufacturing”
- Guest: -** **DR. SOMNATH CHATTOPADHAYAYA**  
(PROFESSOR AT IIT(ISM) DHANBAD)
- Held On: -** 25<sup>th</sup> Sept. 2021
- Venue: -** GREATER NOIDA INSTITUTE OF TECHNOLOGY,  
GREATER NOIDA
- Attended by: -** ALL FACULTY MEMBERS AND MECHANICAL THIRD  
YEAR AND FINAL YEAR STUDENTS.

### **Brief Report: -**

Department of Mechanical Engineering has organized an expert talk on “Hybrid Additive Manufacturing” for the students of Mechanical third year and final year. Dr. Somnath Chattopadhyaya (Professor at IIT(ISM) Dhanbad) has delivered expert lecture focusing on basics of Additive Manufacturing processes, their Hybridization and their performance during the service in various Manufacturing and Industrial sectors. Dr. Somnath Chattopadhyaya, Associate Professor, IIT Dhanbad was the speaker at this webinar. He has rich experience in the field of additive manufacturing. He introduced all the processes of Hybrid additive manufacturing with their specific applications in industries and future scopes.

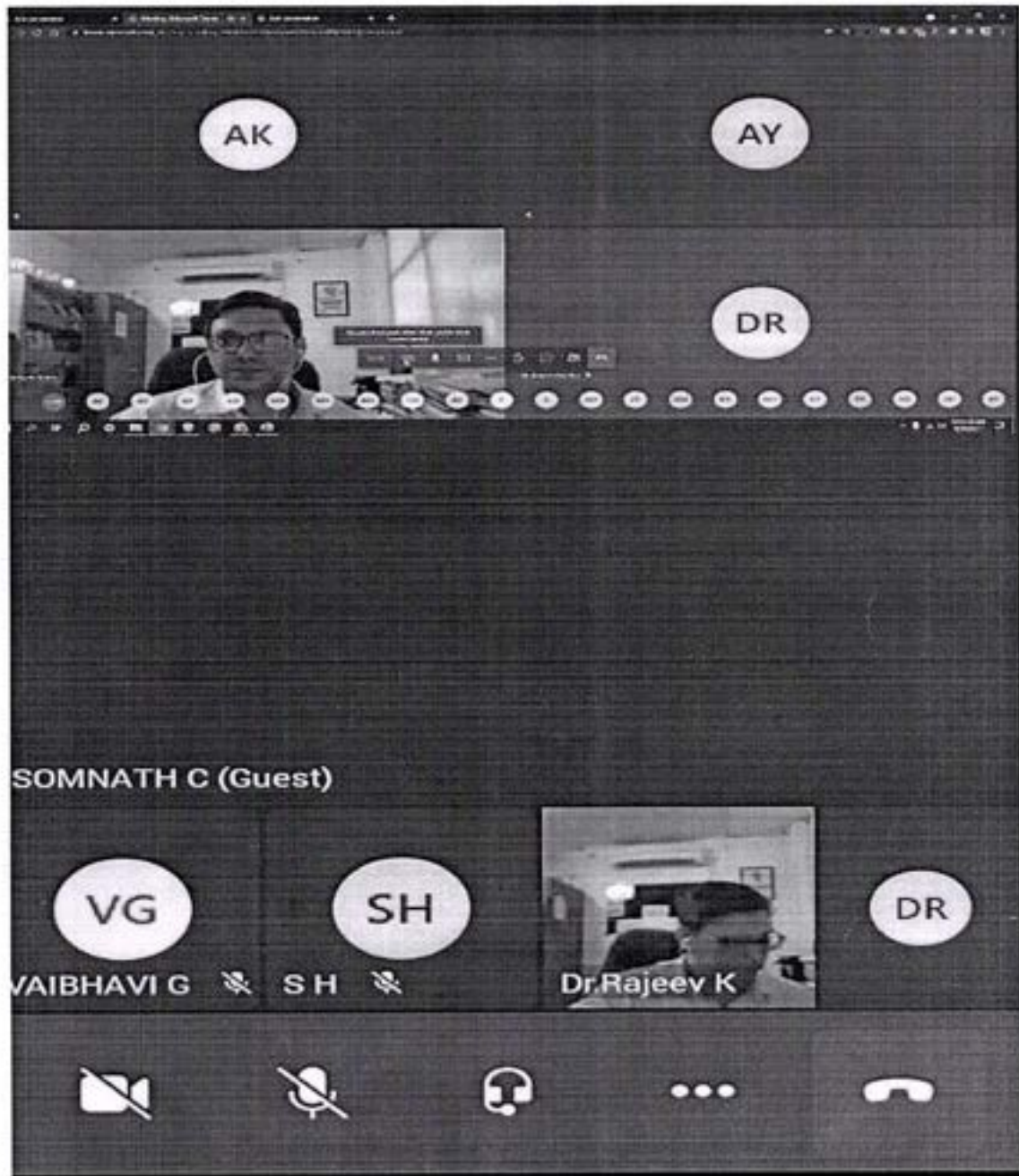
Dr. Chattopadhyaya gave a highly encouraging talk mesmerizing students as well as faculty members. Hybrid additive manufacturing being a state of art technology was touched upon with latest developments including joining of dissimilar impeller blades. This is certainly an out of box developments as joining of moving parts that has so far being consider a very challenging task. More than 50 members participated in the webinar. It was a great success.

The expert lecture was held on Microsoft MS Team platform. About 35 students and 15 faculty members has attended the expert talk. Dr. Pranveer Singh Director General GNIOT, Dr. Dheeraj Gupta Director GNIOT and Dr. Rajeev Kumar HOD Mechanical welcomes Dr. Somnath

(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
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Chattopadhyaya with their valuable words. At the end of lecture Dr. Somnath Chattopadhyaya interacted with students and answers their queries related to topic.



### Expert Talk on Online Mode

(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
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## Categorisation of Additive manufacturing process with conventional methods

Additive Process	Characteristic	Process Combination
Laser Beam Melting	<ul style="list-style-type: none"> <li>+ high complex part geometry</li> <li>- limited on plane building platform</li> <li>- risk of powder dust by opening the machine</li> </ul>	- integration in process chain only
Laser Metal Deposition	<ul style="list-style-type: none"> <li>+ build up on any freeform substrate</li> <li>+ multimaterial production</li> <li>- risk of powder dust by opening the machine</li> </ul>	- integration in process chain
Metal Powder Application	<ul style="list-style-type: none"> <li>+ small heat input</li> <li>- risk of powder dust by opening the machine</li> <li>- patented by Hermle</li> </ul>	- integration in CNC milling and turning centers for a sequential process
Gas Metal Arc Welding	<ul style="list-style-type: none"> <li>+ high build-up rate</li> <li>+ well known process</li> <li>- inadequate accuracy</li> </ul>	



Expert Talk PPT



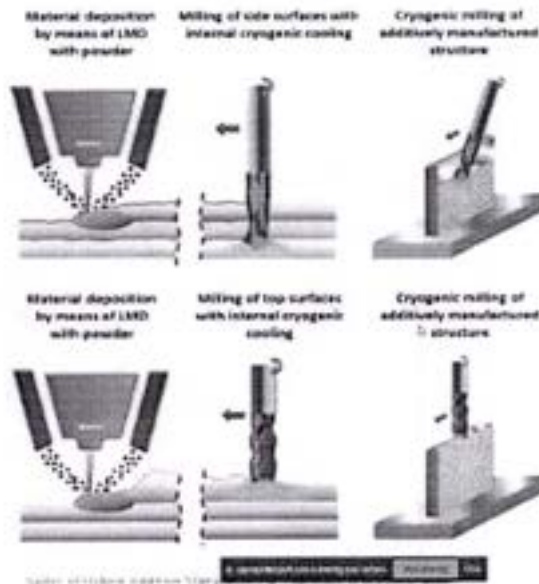
## Hybrid manufacturing cell with two robots for laser metal deposition (right) and cryogenic milling (left)



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Expert Talk PPT

### Process

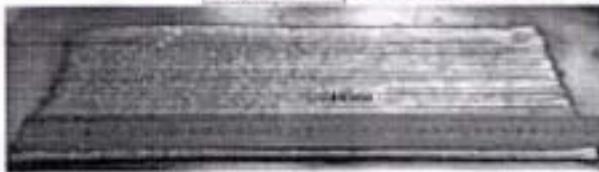


(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
 9 Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddh Nagar, Uttar Pradesh-201310  
 ☎ 0120-2328214/15/16 | 1800 274 6969    ✉ director@gniotech.net.in    🌐 www.gniotech.net.in



## Friction Stir Based Technology Hybrid Additive Manufacturing (HAM) Process

Building of Sample with MIG welding



Improving material properties with FSP



**A?**

**Asiit University**  
School of Engineering

Advanced Manufacturing Technology  
and Production

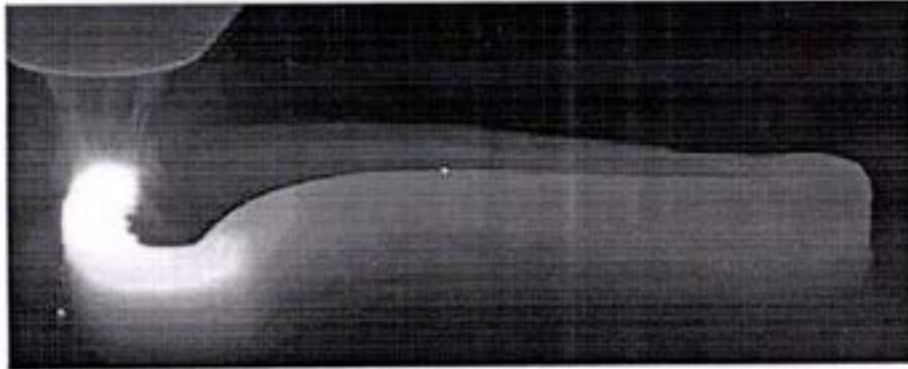
Engineering Materials  
Materials Joining and NDT

2

Expert Talk PPT



## 3D printing with a metal deposition nozzle



Slide of History: No. 1 | Knowledge Park-II, Greater Noida | 2016-2017

25

Expert Talk PPT





## Advanced GMAW Technique Robotized Welding + 3D Printing

☞ Robot control of the welding torch allows large geometries with real engineering metallic properties. Disadvantage is surface finishing

**A?**Aalto University  
School of EngineeringAalto University  
School of EngineeringEngineering Materials  
Materials Joining and NDT

3

Expert Talk PPT



Department of Mechanical Engineering				
List of Students				
S. No.	Roll No	Name of the Student	Year & Section	Signature
1	1813240046	SAURAV KUMAR	4A	Saurav Kumar
2	1813240047	SHUBHAM KUMAR	4A	Shubham Kumar
3	1813240048	SHUBHAM MISHRA	4A	Shubham Mishra
4	1813240050	SUNNY SINGH	4A	Sunny Singh
5	1813240051	UTTAM PANWAR	4A	Uttam Panwar
6	1813240052	VICKY	4A	Vicky
7	1901320409008	MD SHAHOOD ALAM	4A	MD SHAHOOD ALAM
8	1901320409009	MD HELAL AHSAN	4A	MD HELAL AHSAN
9	1901320409011	SHIVAM RANA	4A	Shivam Rana
10	1901320409012	VIKESH KUMAR	4A	Vikesh Kumar
11	1901320400008	AKHLAKUR RAHMAN	3A	Akhilakur Rahman
12	1901320400009	AMAN SHISHODIA	3A	Aman Shishodia
13	1901320400010	AMAN SINGH	3A	Aman Singh
14	1901320400011	AMIT KUMAR	3A	Amit Kumar
15	1901320400012	ANKIT KUMAR TIWARI	3A	Ankit Kumar Tiwari
16	1901320400013	ARPIT KUMAR	3A	Arpit Kumar
17	1901320400014	ASHISH DABAS	3A	Ashish Dabas
18	1901320400051	TAPAN SHARMA	3A	Tapan Sharma
19	1901320400053	VIKRANT UPADHYAY	3A	Vikrant Upadhyay
20	1901320400054	YOGESH KUMAR PATHAK	3A	Yogesh Kumar Pathak
21	2001320400002	ADITYA KUMAR	2A	Aditya Kumar
22	2001320400003	AKASH KUMAR BHARTI	2A	Akash Kumar Bharti
23	2001320400004	AMAN KHAN	2A	Aman Khan
24	2001320400005	ARMAN ASHRAF	2A	Arman Ashraf
25	2001320400006	ASHISH KUMAR	2A	Ashish Kumar
26	2001320400007	AYAN ALI SHAH	2A	Ayan Ali Shah
27	2001320400016	MINHAZ AHMAD	2A	Minhaz Ahmad
28	2001320400017	MUSHARAF AJMAT	2A	Musharaf Ajmat
29	2001320400018	NIKHIL SINGH	2A	Nikhil Singh
30	2001320400020	RAVI KUMAR VERMA	2A	Ravi Kumar Verma
31	1901320400007	AKHILESH KUMAR YADAV	3A	Akhilesh Kumar Yadav
32	1901320400008	AKHLAKUR RAHMAN	3A	Akhilakur Rahman
33	1901320400009	AMAN SHISHODIA	3A	Aman Shishodia
34	2001320400014	MANVEER	2A	Manveer
35	2001320400020	RAVI KUMAR VERMA	2A	Ravi Kumar Verma
36	2001320400021	SAIF ALI	2A	Saif Ali
37	2001320400022	SIKANDAR SINGH	2A	Sikandar Singh

Signature of HOD  
Dr. Iqbal Ahmed Khan



## Department of Mechanical Engineering

Ref: - No. GNIOT/ME/ 2021/

Date: 16<sup>th</sup> October 2021

### NOTICE

It is hereby informed to all the students that as per the academic calendar the Mechanical Engineering Department is organizing **Technical Quiz** on 26<sup>th</sup> October 2021 Timings: 10:05-10:45 am.

The students are advised to present in full strength and take the maximum benefit from the event.



Dr. Iqbal Ahmed Khan  
(HOD-ME)

Copy to;

1. The Director; For kind information please
2. All concerned
3. Notice boards



Director

# “Technical Quiz”

26<sup>th</sup> October, 2021  
(10:05 AM to 10:45 AM)

*Organized by*  
Department of Mechanical Engineering



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida- 201308

[www.gniot.net.in](http://www.gniot.net.in)



**Activity Report**  
**ON BEHALF OF OUR ESTEEMED ORGANIZATION**  
**GNIOT**  
**&**  
**COORDINATION BY MECHANICAL ENGINEERING**  
**DEPARTMENT**

**Activity:- Technical Quiz**

**Duration:- 26<sup>th</sup> October 2021**

**Venue:- Respective Class rooms, GNIOT campus, Greater Noida**

**Participants:- Students from 2nd, 3rd year and final year Mechanical Engineering.**

**About the activity:**

A Technical quiz is organized by Department of Mechanical engineering at departmental level for 2nd, 3rd year and final year students. The Quiz content was strictly related to core mechanical engineering subject content. Such type of event is very knowledgable as the students gain the core knowledge in very Lucid manner in context with the winning enthusiasm.

The event coordinator are Mr. Prabhakar Singh & Mr. J.K. Tripathi. The details of the event are as follows.

**Timings: 10:05-10:45 am.**

**Winner: one from each year**

**Minimum and necessary qualification to get certificate: Candidate**

should score more than or equal to 60% marks.

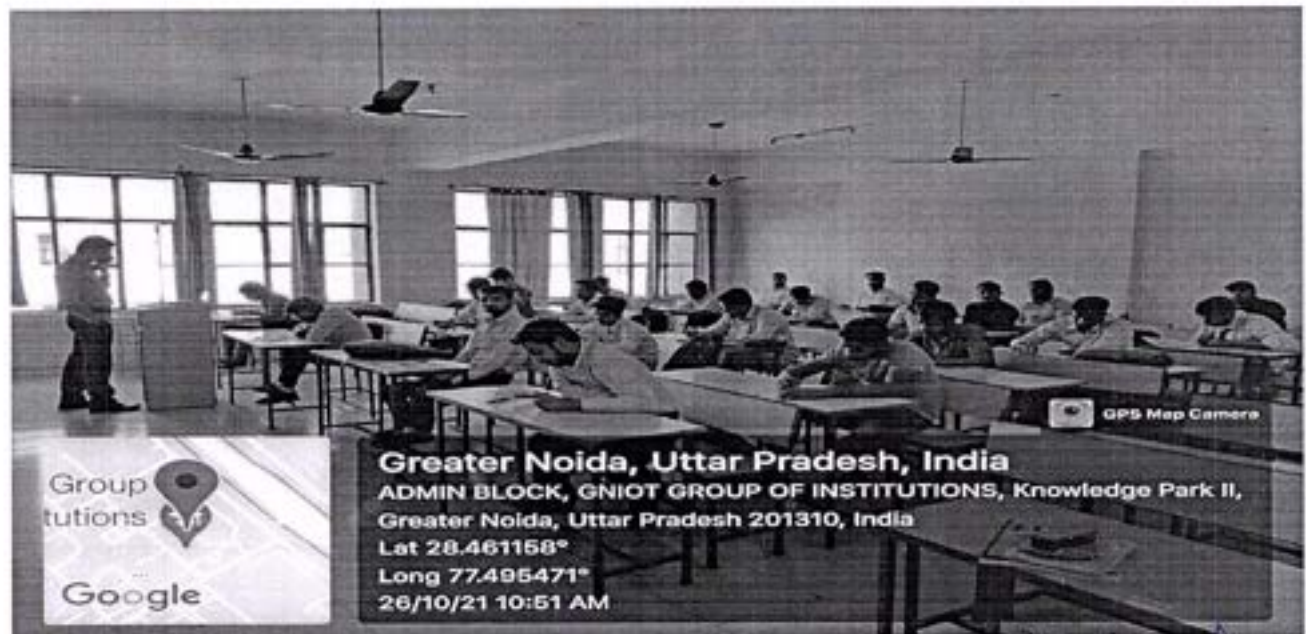
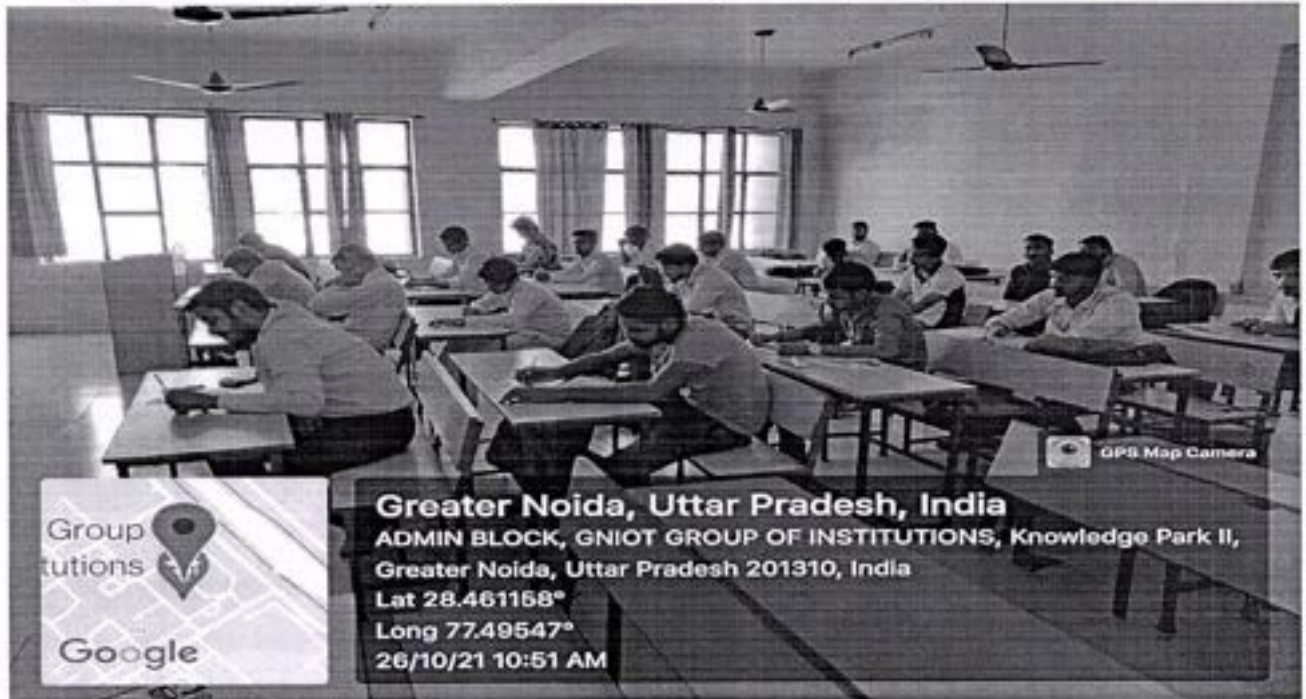
**Time duration: 45 minutes**



**No. Of questions:30**

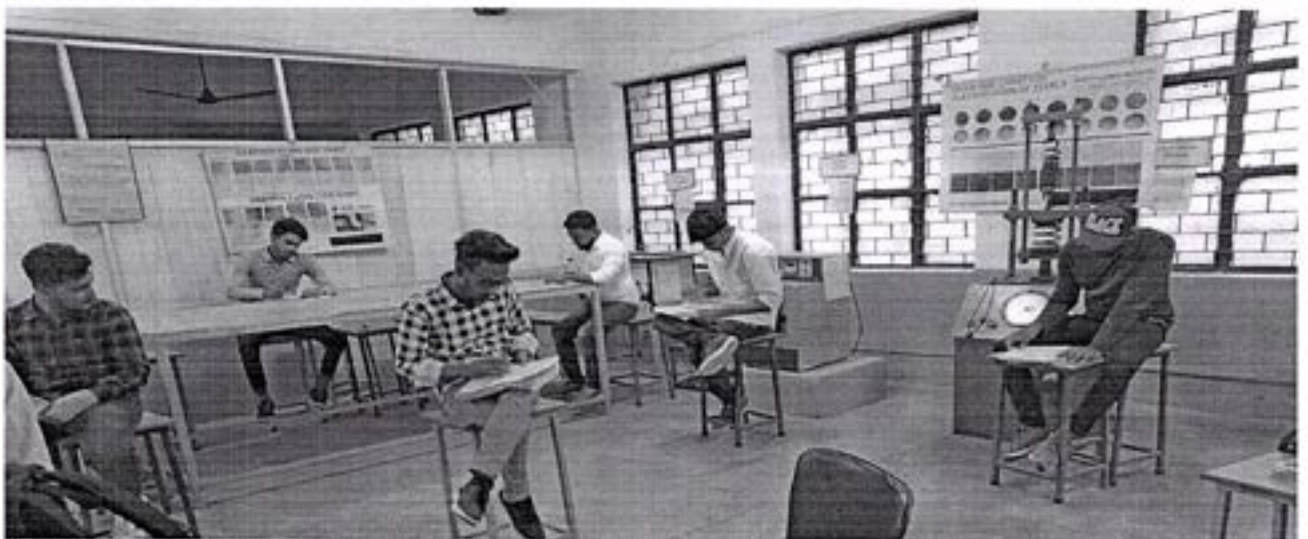
**Maximum marks:30**

**Details of participants: 2nd year:19, 3rd year:23, 4th year:18**



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**Photographs:**

ADMIN BLOCK, GNIOT GROUP OF INSTITUTIONS, Knowledge Park II, Greater Noida, Uttar Pradesh 201310, India

Greater Noida  
Uttar Pradesh  
India

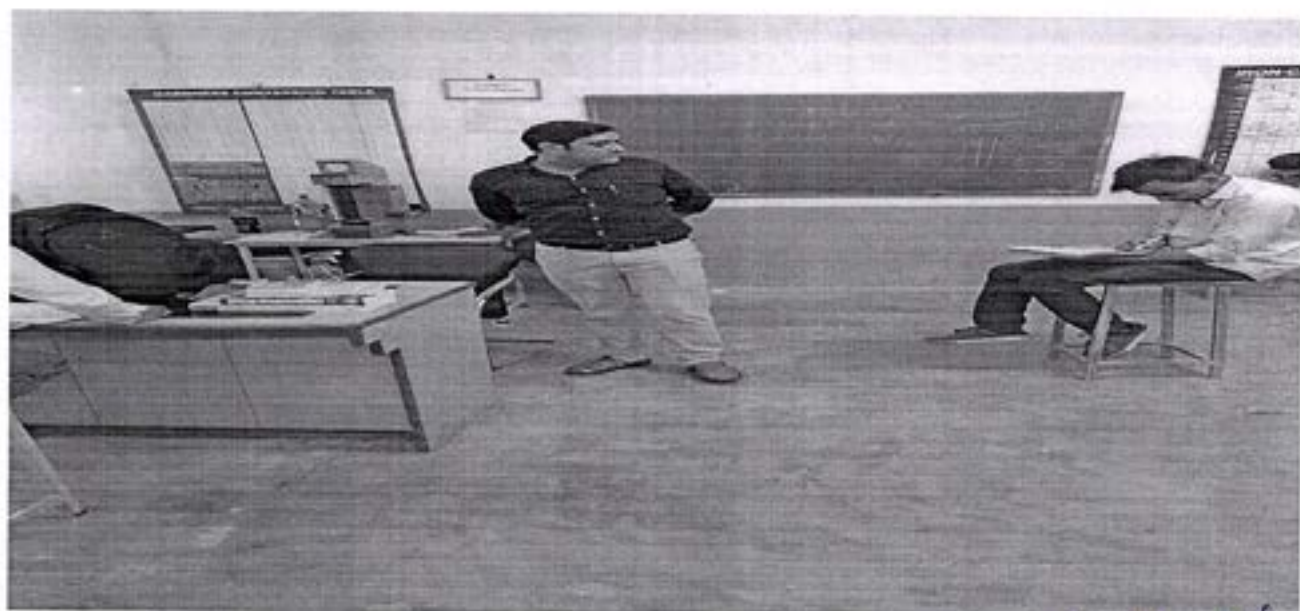
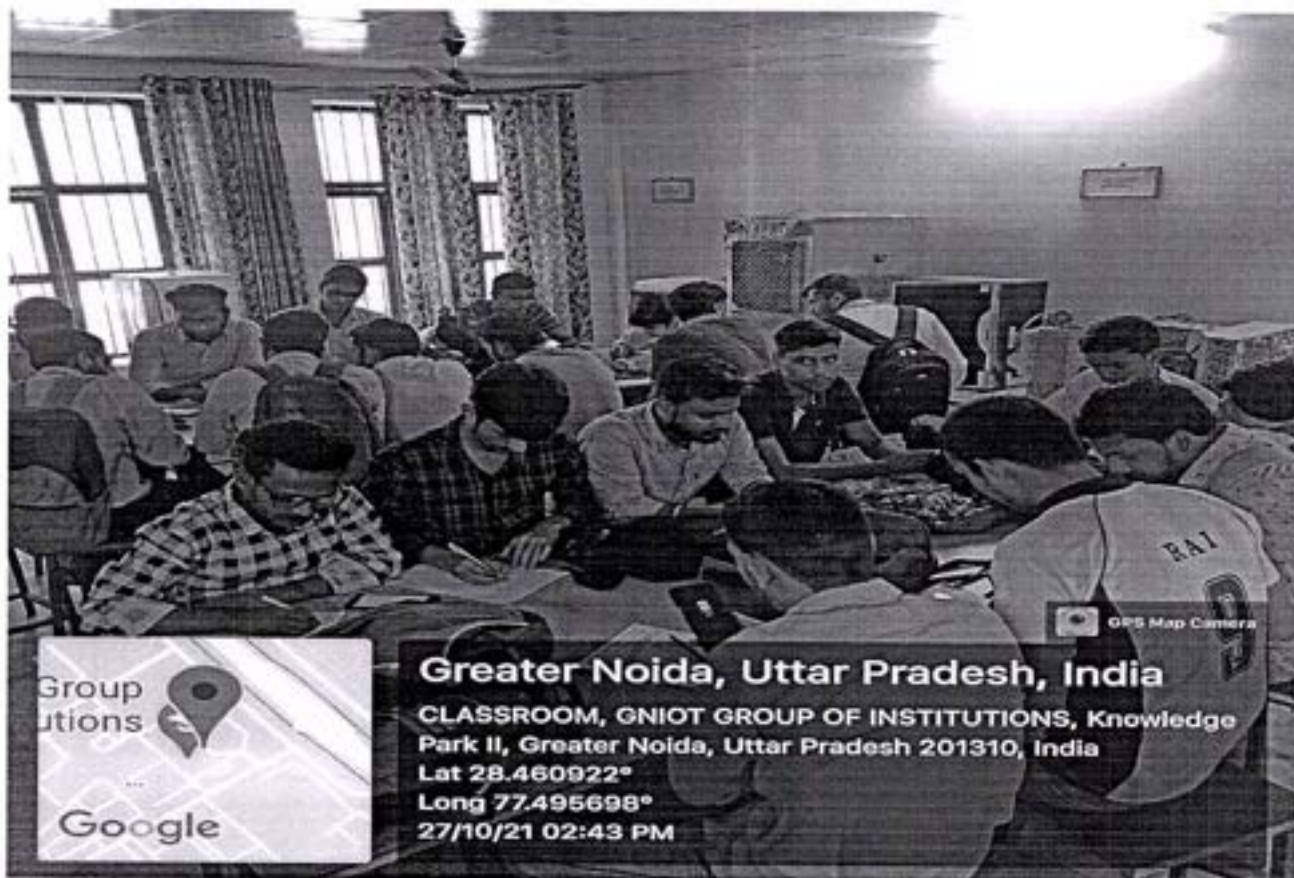
2021-10-26(Tue) 10:17(am)

26°C

79°F

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Department of Mechanical Engineering				
List of Students				
S. No.	Roll No	Name of the Student	Year & Section	Signature
1	1713240098	SYED ZAHEER SAJJAD	4A	Syed Zaheer Sajjad
2	1813240001	ABDULLAH ANSARI	4A	Abdullah Ansari
3	1813240002	ABDULLAH HUSSAIN	4A	Abdullah Hussain
4	1813240003	ABHISHEK SINGH	4A	Abhishek Singh
5	1813240004	ABHISHEK KUMAR PRIYADARSH	4A	Abhishek Kumar Priyadarsh
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10	1813240024	HARSHDEEP SRIVASTAVA	4A	Harshdeep Srivastava
11	1813240048	SHUBHAM MISHRA	4A	Shubham Mishra
12	1813240050	SUNNY SINGH	4A	Sunny Singh
13	1813240051	UTTAM PANWAR	4A	Uttam Panwar
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15	1901320409008	MD SHAHOOD ALAM	4A	MD Shahood Alam
16	1901320409009	MD HELAL AHSAN	4A	MD Helal Ahsan
17	1901320409011	SHIVAM RANA	4A	Shivam Rana
18	1901320409012	VIKESH KUMAR	4A	Vikesh Kumar
19	1901320400001	ABHINAV MADAAN	3A	Abhinav Madaan
20	1901320400002	ABHISHEK SINGH	3A	Abhishek Singh
21	1901320400003	ABHISHEK MANOHAR	3A	Abhishek Manohar
22	1901320400004	ABUZAR MUSTAQUIM	3A	Abuzar Mustaquim
23	1901320400005	ADARSH PATHAK	3A	Adarsh Pathak
24	1901320400006	ADITYA RAO	3A	Aditya Rao
25	1901320400007	AKHILESH KUMAR YADAV	3A	Akhilesh Kumar Yadav
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31	1901320400013	ARPIT KUMAR	3A	Arpit Kumar
32	1901320400021	KRITAGYA CHAUDHARY	3A	Kritagya Chaudhary
33	1901320400023	MD. ARIF	3A	MD. Arif
34	1901320400027	MOHAMMAD MISAQUE KHAN	3A	Mohammad Misaque Khan
35	1901320400033	PRADUMAN KUMAR GUPTA	3A	Praduman Kumar Gupta
36	1901320400035	RAVI SAHU	3A	Ravi Sahu
37	1901320400038	RAVI SHANKAR PANDEY	3A	Ravi Shankar Pandey
38	1901320400042	SAJID HUSSAIN	3A	Sajid Hussain
39	1901320400043	SANJU SHARMA	3A	Sanju Sharma
40	1901320400044	SARIM REYAZ	3A	Sarim Reyaz
41	1901320400048	SHIVAM KUMAR NISHAD	3A	Shivam Kumar Nishad
42	DIPLOMA	BABLISH KUMAR	2A	Babliish Kumar
43	DIPLOMA	FAIZ MOHAMMAD	2A	Faiz Mohammad
44	DIPLOMA	MAUSAM SHARMA	2A	Mausam Sharma
45	DIPLOMA	SHIVAM TIWARI	2A	Shivam Tiwari
46	DIPLOMA	AMAN KUMAR SINGH	2A	Aman Kumar Singh



47	DIPLOMA	MUKESH KUMAR	2A	Mukesh Kumar
48	DIPLOMA	MD ARIF	2A	MD Arif
49	DIPLOMA	MD ATIF JAMEEL	2A	MD Atif Jameel
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59	2001320400020	RAVI KUMAR VERMA	2A	Ravi Kumar Verma
60	2001320400022	SIKANDAR SINGH	2A	Sikandar Singh

Signature of HOD  
Dr. Iqbal Ahmed Khan



**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 16<sup>th</sup> October 2021**NOTICE**

It is hereby informed to all the students that as per the academic calendar the Mechanical Engineering Department is organizing "BEST OUT OF WASTE COMPETITION" on 27<sup>th</sup> October 2021 Timings: 1pm-3 am.

The students are advised to present in full strength and take the maximum benefit from the event.

  
**Dr. Iqbal Ahmed Khan**  
(HOD-ME)



Copy to;

1. The Director; For kind information please
2. All concerned
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**"BEST OUT OF WASTE COMPETITION"**

*27<sup>th</sup> October, 2021*  
*(1:00 PM to 3:00 PM)*

*Organized by*  
**Department of Mechanical Engineering**



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida- 201308

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**Activity Report**  
**ON BEHALF OF OUR ESTEEMED ORGANIZATION**  
**GNIOT**  
**&**  
**COORDINATION BY MECHANICAL ENGINEERING**  
**DEPARTMENT**

**Activity:- BEST OUT OF WASTE COMPETITION**

**Duration:- 27<sup>th</sup> October 2021**

**Venue:- Manufacturing Science Lab, MED, GNIOT campus, Greater Noida**

**Participants:- Students from all engineering departments.**

**About the activity:**

Department of mechanical engineering has been successfully organized an environmental awareness entitled "Best out of waste". Following the motto of "REGARD BEFORE YOU DISCARD"- BEST OUT OF WASTE COMPETITION has been evidenced with the overwhelming response of the participations among the all engineering departments.

Students presented their creativity through innovative approach to get rid of most concern domain of waste including household wastes, plastic, glasses, and newspapers. The ideas were not only economical and material value for students and society, but would be helpful in creating environmental consciousness among them that is the need of the hour. The event has been well organized by Dr. Avinash Ravi Raja (Coordinator) and Mr. Girendra Bhati (Co-coordinator) with the help of Team Mechanical including Mr.

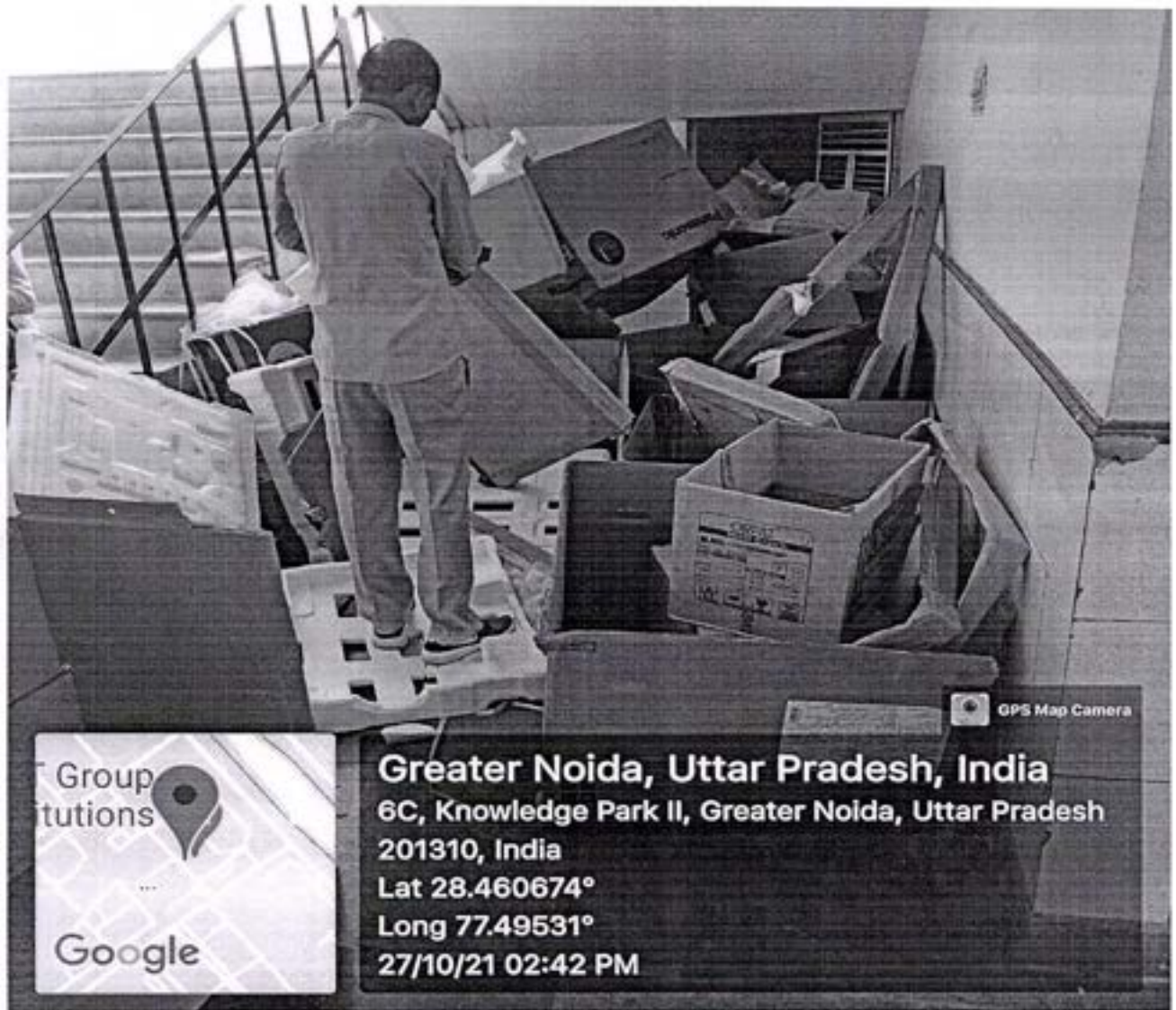
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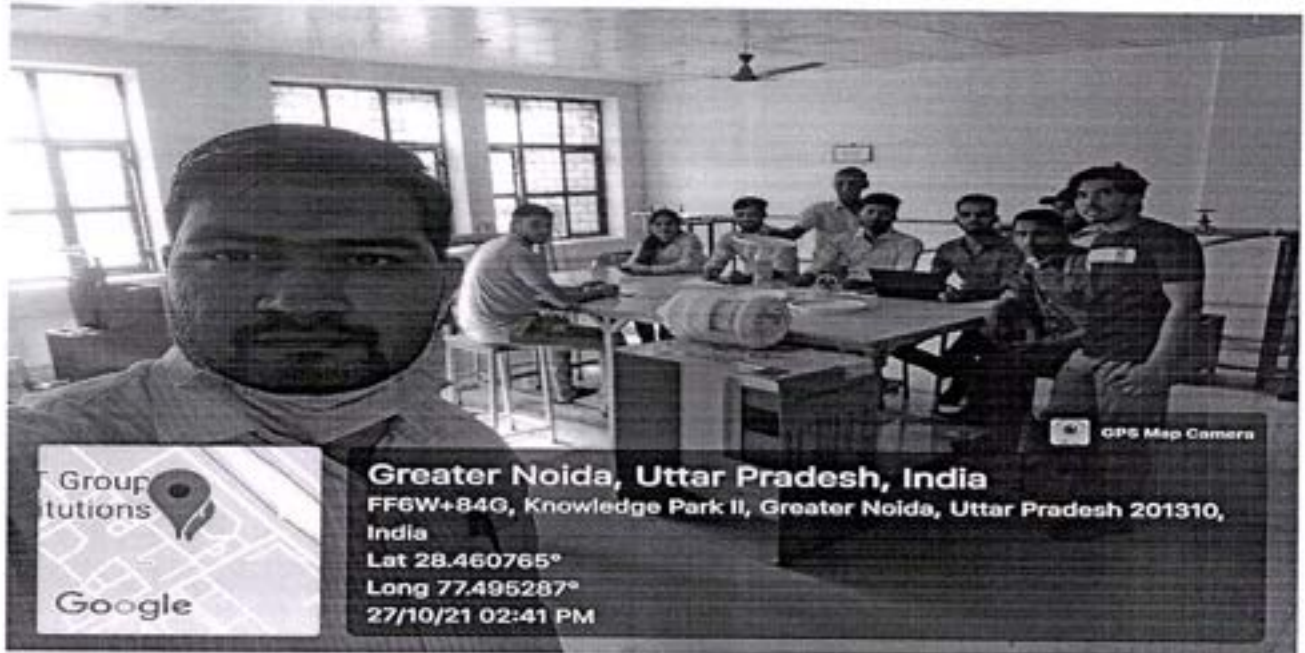
Gagan Varshney, Mr. Vaibhav Gangwar, Mr. Husain, Mr. Prabhakar Singh and Mr. Sandeep Patidar under the supervision of HoD Mechanical Engineering.

**Photographs:**



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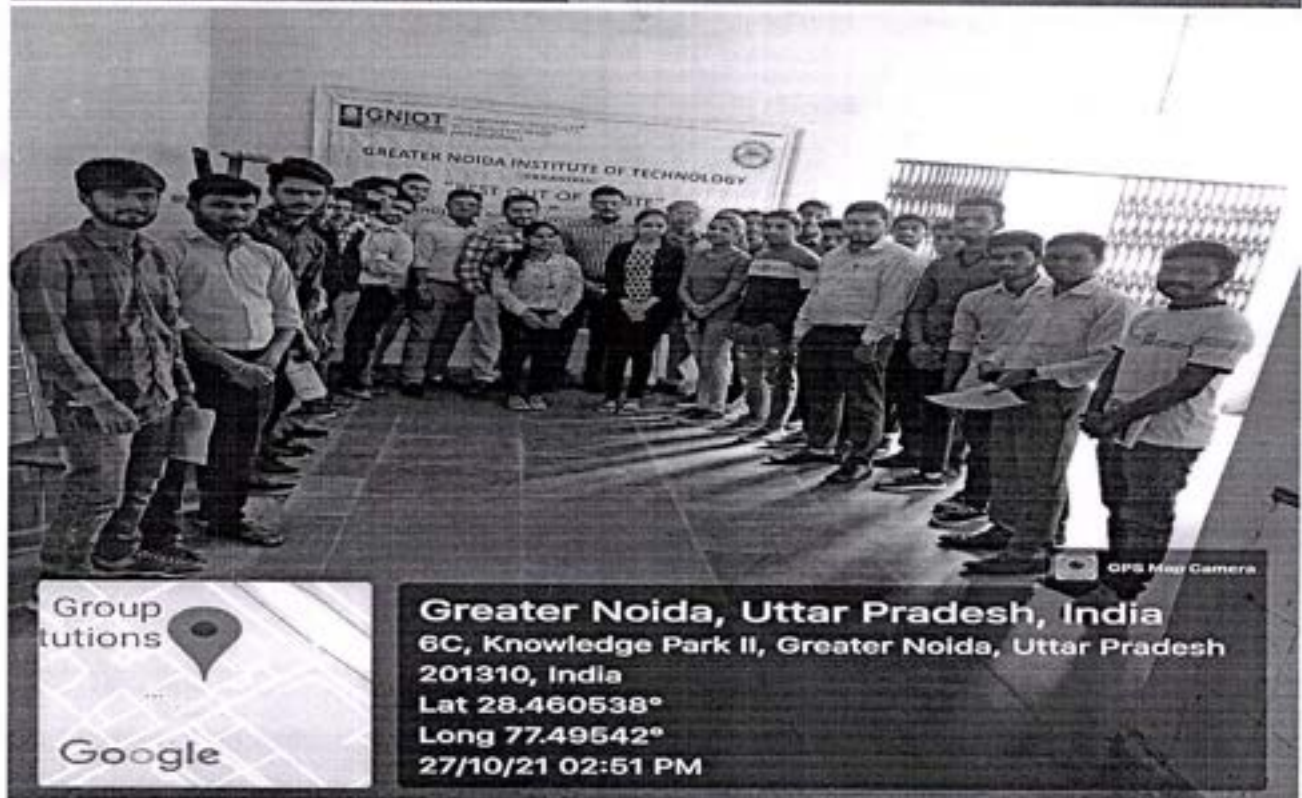
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Long 77.495287°

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**Greater Noida, Uttar Pradesh, India**

6C, Knowledge Park II, Greater Noida, Uttar Pradesh 201310, India

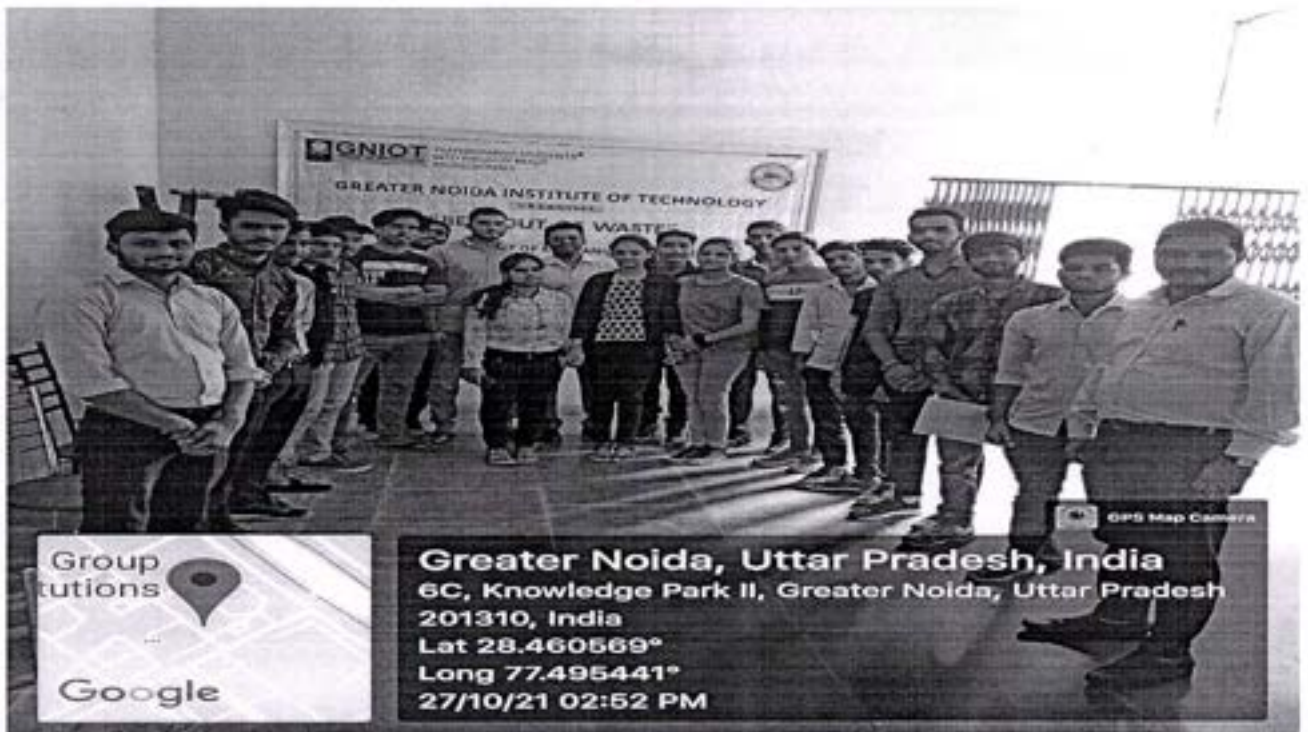
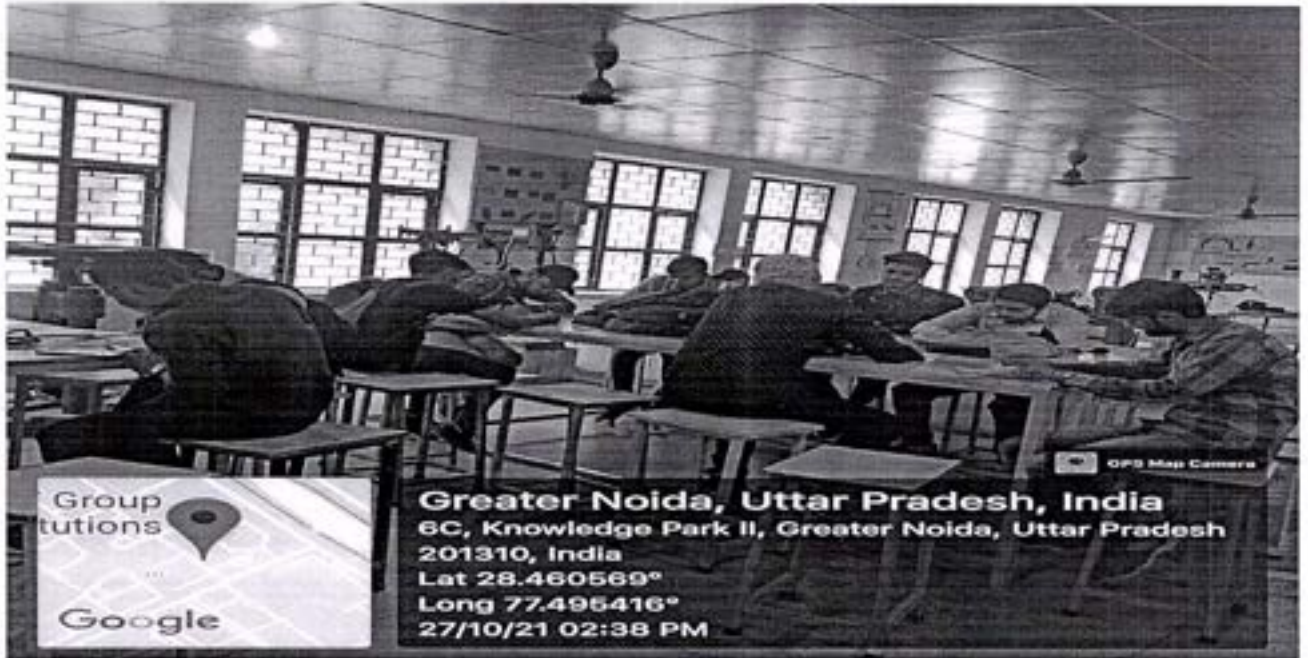
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Long 77.49542°

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Department of Mechanical Engineering				
List of Students				
S. No.	Roll No	Name of the Student	Year & Section	Signature
1	1713240095	SYED ZAHEER SAJJAD	4A	Zaheer
2	1813240001	ABDULLAH ANSARI	4A	Ansari
3	1813240002	ABDULLAH HUSSAIN	4A	Abdullah
4	1813240003	ABHISHEK SINGH	4A	Abhishek
5	1813240004	ABHISHEK KUMAR PRIYADARSH	4A	Abhishek
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20	1901320400036	RAVI SHANKAR PANDEY	3A	Ravi Shankar
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30	2001320400018	NIKHIL SINGH	2A	Nikhil
31	2001320400020	RAVI KUMAR VERMA	2A	Ravi
32	2001320400021	SAIF ALI	2A	Saif
33				
34				

*(Handwritten Signature)*  
 Director  
 Greater Noida Institute of Technology  
 Greater Noida

Signature of HOD  
 Dr. Iqbal Ahmed Khan  
 HoD-ME  
 Greater Noida Institute of Technology  
 Greater Noida

**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 21<sup>th</sup> October 2021**NOTICE**

It is hereby informed to all the students that as per the academic calendar the Mechanical Engineering Department is organizing Webinar on "Entrepreneurship in Rural and Urban Setting" on 29<sup>th</sup> October 2021 Timings: 1pm-3 pm.

The students are advised to present in full strength and take the maximum benefit from the event.

Dr. Iqbal Ahmed Khan  
(HOD-ME)



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2. All concerned
3. Notice boards



**GNIOT- Institution's Innovation Council**  
**(an initiative of Ministry of Education, Govt. of India)**  
**in collaboration with ME Department organizes**  
**Impact lecture series on**

**PRESENTS**

## **"Entrepreneurship in . Rural and urban setting"**

**SPEAKERS**



**Ms Reena Saxena**  
Founding Director  
Money GoalZ

**SPEAKERS**



**Dr Mala Bhandari**  
Founding Director  
SADRAG & Child Line



**Dr. Pranveer Singh**  
(Director General)



**Dr. Dhiraj Gupta**  
(Director)



**Dr. Anuranjan Misra**  
Dean(R&D)



**Dr. Iqbal Ahmad Khan**  
HOD (ME)



**29.10.2021 from 10 AM - 1 PM**

**Plot No. 7, Knowledge Park II**  
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**www.gniotgroup.edu.in**

**1800-274-6969**

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**“Webinar on “Entrepreneurship in Rural and Urban Setting” ”**

**29<sup>th</sup> October, 2021  
(10:00 AM to 1:00 PM)**

***Organized by***

**Department of Mechanical Engineering**



**Greater Noida Institute of Technology (GNIOT)**

**(Knowledge park-II, Greater Noida– 201308**

**[www.gniot.net.in](http://www.gniot.net.in)**



## Activity Report

**Department:** - GNIOT- Institution's Innovation Council (an initiative of Ministry of Education, Govt. of India) in collaboration with Mechanical Engineering Department.

**Activity:** - Webinar on "**Entrepreneurship in Rural and Urban Setting**"

**Speakers:** - **1. Dr Mala Bhandari,**  
Founding Director, SADRAG & Child Line

**2. Ms Reena Saxena,**  
Founding Director, Money GoalZ

**Held On:** - 29<sup>th</sup> OCTOBER, 2021

**Venue:** - GREATER NOIDA INSTITUTE OF TECHNOLOGY,  
GREATER NOIDA

**Moderator:** - Dr. Avinash Ravi Raja, (Associate Professor, MED, GNIOT)

**Attended by:** - ALL FACULTY MEMBERS AND MECHANICAL SECOND,  
THIRD AND FINAL YEAR STUDENTS.

### **Brief Report:** -

GNIOT- Institution's Innovation Council (an initiative of Ministry of Education, Govt. of India) in collaboration with Department of Mechanical Engineering organized a webinar on "**Entrepreneurship in Rural and Urban Setting**" on 29<sup>th</sup> October, 2021. The session was inaugurated by **Dr. Dheeraj Gupta**, Director, GNIOT Greater Noida, with their introductory and inspiring speech. **Dr. Anuranjan Mishra**, Dean (Research and Development) has explained the importance of entrepreneurship in technical education. **Dr. Iqbal Ahmad Khan**, Head of Mechanical Department, shared his knowledge and experiences with students.

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Speakers of this webinar were **Dr Mala Bhandari**, Founding Director, SADRAG & Child Line and **Ms Reena Saxena**, Founding Director, Money GoalZ. Ms Reena Saxena introduced and overviewed the entrepreneurship in Rural and Urban areas. She demonstrated the scope of entrepreneurship in technical and engineering field. She explained the methods of generation of entrepreneurship. She also covered the research background, outcomes and future scope of startup and entrepreneurship. She introduced the talent to identify the need which does not exist.

Dr Mala Bhandari demonstrated the functions of entrepreneurship and guided the students for the future trends and applications of startup. She discussed the various components and factors of skills, enlightened the knowledge in rural and urban development. Further, introduced many case studies of entrepreneurship in Rural and Urban areas.

Dr. Avinash Ravi Raja moderated the program and give vote of thanks. The students participated with full enthusiasm. They got the knowledge, inspiration and motivation from speakers of the session.



**Photographs:**


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*[Handwritten Signature]*  
 Director  
 Greater Noida Institute of Technology  
 Greater Noida

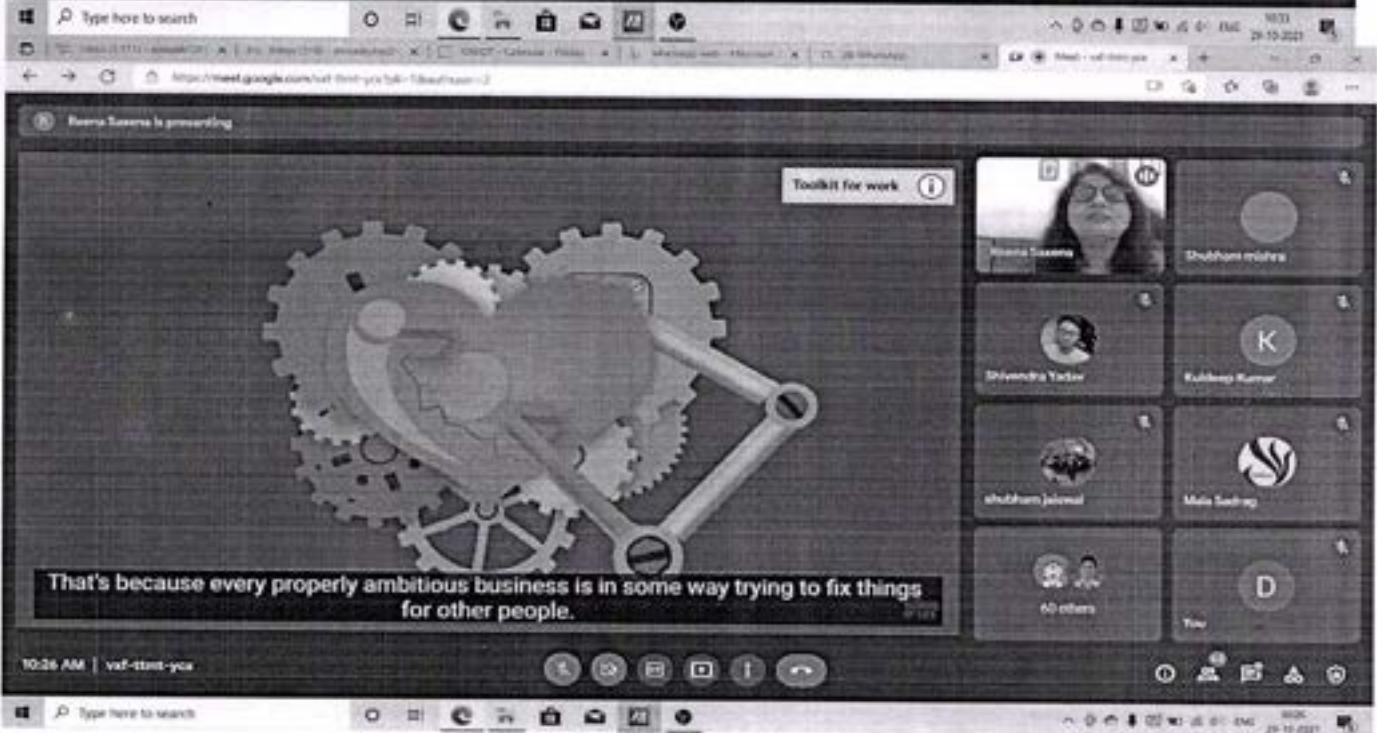
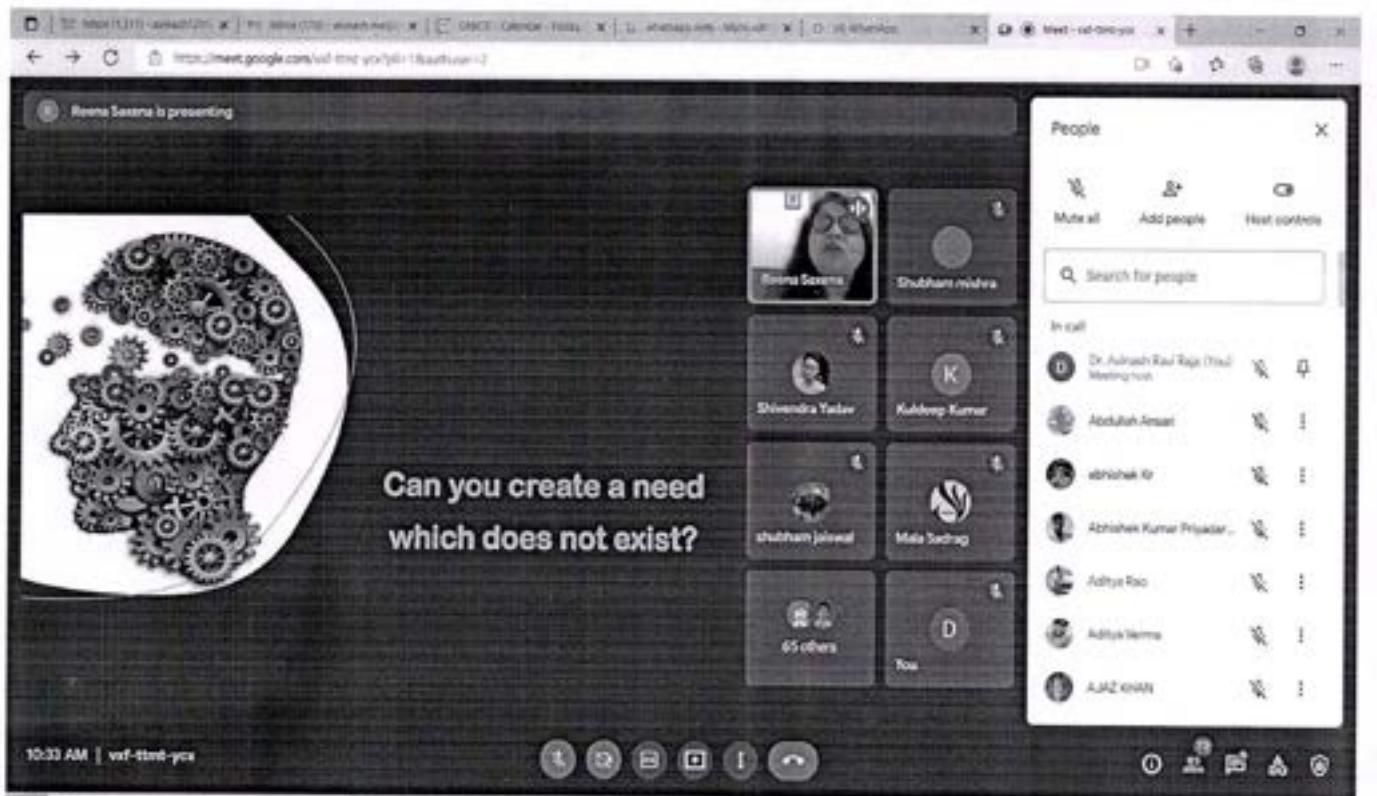
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4	1813240009	AMIT SHARMA	4A	Amit
5	1813240010	ANAND SAURABH	4A	Anand
8	1813240021	FAISAL ZAFAR	4A	Faisal
9	1813240023	HANAN ANSARI	4A	Hanan
10	1813240024	HARSHDEEP SRIVASTAVA	4A	Harsh
11	1813240048	SHUBHAM MISHRA	4A	Shubham
12	1813240050	SUNNY SINGH	4A	Sunny
13	1813240051	UTTAM PANWAR	4A	Uttam
14	1901320409007	MD INTAKHAB ALAM	4A	Intakhab
15	1901320409008	MD SHAHOOD ALAM	4A	Shahood
16	1901320400014	ASHISH DABAS	3A	Ashish
17	1901320400017	DEVESH MISHRA	3A	Devesh
18	1901320400020	HARSH NARAYAN	3A	Harsh
19	1901320400035	RAVI SAHU	3A	Ravi
20	1901320400036	RAVI SHANKAR PANDEY	3A	Ravi Pandey
21	1901320400037	RISHABH SHARMA	3A	Rishabh
22	1901320400039	SACHIN KUMAR	3A	Sachin
23	DIPLOMA	BABLISH KUMAR	2A	Bablish
24	DIPLOMA	FAIZ MOHAMMAD	2A	Faiz
25	DIPLOMA	MAUSAM SHARMA	2A	Mau
26	DIPLOMA	SHIVAM TIWARI	2A	Shivam
27	2001320400015	MD KAIF	2A	md. kaif
28	2001320400016	MINHAZ AHMAD	2A	Minhaz
29	2001320400017	MUSHARAF AJMAT	2A	Musharaf
30	2001320400018	NIKHIL SINGH	2A	Nikhil
31	2001320400020	RAVI KUMAR VERMA	2A	Ravi
32	2001320400021	SAIF ALI	2A	Saif

Signature of HOD  
Dr. Javed Ahmad Khan

Director

**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 22<sup>th</sup> November 2021**NOTICE**

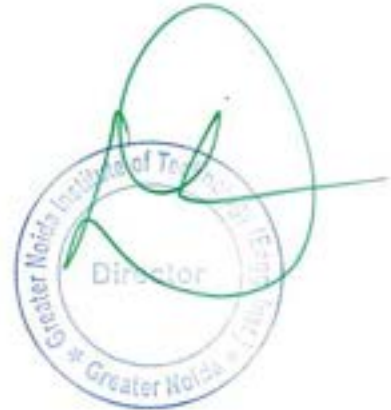
It is hereby informed to all the students that as per the academic calendar the Mechanical Engineering Department is organizing Webinar on “**Introduction to Product Design and Optimization**” on 27<sup>th</sup> November 2021

The students are advised to present in full strength and take the maximum benefit from the event.

**Dr. Iqbal Ahmed Khan****(HOD-ME)**

Copy to;

1. The Director; For kind information please
2. All concerned
3. Notice boards



ALUMNI CELL &amp; ME DEPARTMENT IS ORGANIZING A WEBINAR

ON

*"Introduction to Product Design and Optimization"*

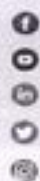
BY GNIOT, GREATER NOIDA

**Piyush Kumar**CEO (Pioneer Infotech)  
ALUMNUS (2011-15)**Dr. Dhiraj Gupta**  
Director**Dr. Iqbal Ahmed Khan**  
HOD-ME**Mr. S. Q. Husain**  
Moderator

@WEBINAR

27<sup>th</sup> Saturday  
November, 202111:00 AM  
12:00 PM

Google Meet

Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201310 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969

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☎ 0120-2328214/15/16 | 1800 274 6969 ✉ [director@gniote.net.in](mailto:director@gniote.net.in) 🌐 [www.gniote.net.in](http://www.gniote.net.in)



Webinar on  
"Introduction to product design and optimization"

27<sup>th</sup> November, 2021  
(11:00 AM to 12:00 PM)

*Organized by*  
Department of Mechanical Engineering



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida- 201308

[www.gniot.net.in](http://www.gniot.net.in)

## Activity Report

- Department: -** MECHANICAL ENGINEERING & ALUMINI CELL
- Activity: -** EXPERT TALK ON “Introduction to Product Design and Optimization”
- Guest: -** MR. PIYUSH KUMAR  
(CEO AT Pioneer Info. Tech, GURGAON) & Alumnus (2011-15)
- Held On: -** 27<sup>th</sup> November 2021
- Venue: -** GREATER NOIDA INSTITUTE OF TECHNOLOGY,  
GREATER NOIDA
- Attended by: -** ALL FACULTY MEMBERS AND MECHANICAL 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> YEAR STUDENTS.

### **Brief Report: -**

Department of Mechanical Engineering under the aegis of Alumni cell has organized a Webinar on “Introduction to Product Design and Development” for the students of Mechanical 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> Year Students. Mr. Piyush Kumar (CEO at Pioneer Info. Tech, GURGAON) and Alumnus (2011-15) has delivered expert lecture focusing on basics of Product Design and Optimization, their Day today problems and their steps to fulfill the tasks of optimization. Mr. Piyush Kumar (CEO at Pioneer Info. Tech, GURGAON) Alumnus (2011-15) was the speaker at this webinar. He has rich experience in the field of Product Design Engineering, 3-D modelling, assembly and drafting, CAD, CAM and CAE. He introduced all the processes of career oriented design fundamentals and problem evaluations with their specific applications in industries and live demonstration on software in a very lucid ways and student interactive session.

Mr. Piyush Kumar gave a highly encouraging talk mesmerizing students as well as faculty members. Design engineering being a state of art technology in almost every industry was touched upon with latest developments. Designing of products and their optimizations plays a very important role in order to fulfill all the requirements of Industrial criteria, specifically leading towards industry 4.0. This webinar will be very helpful and covers the following points like Product design, Concept of

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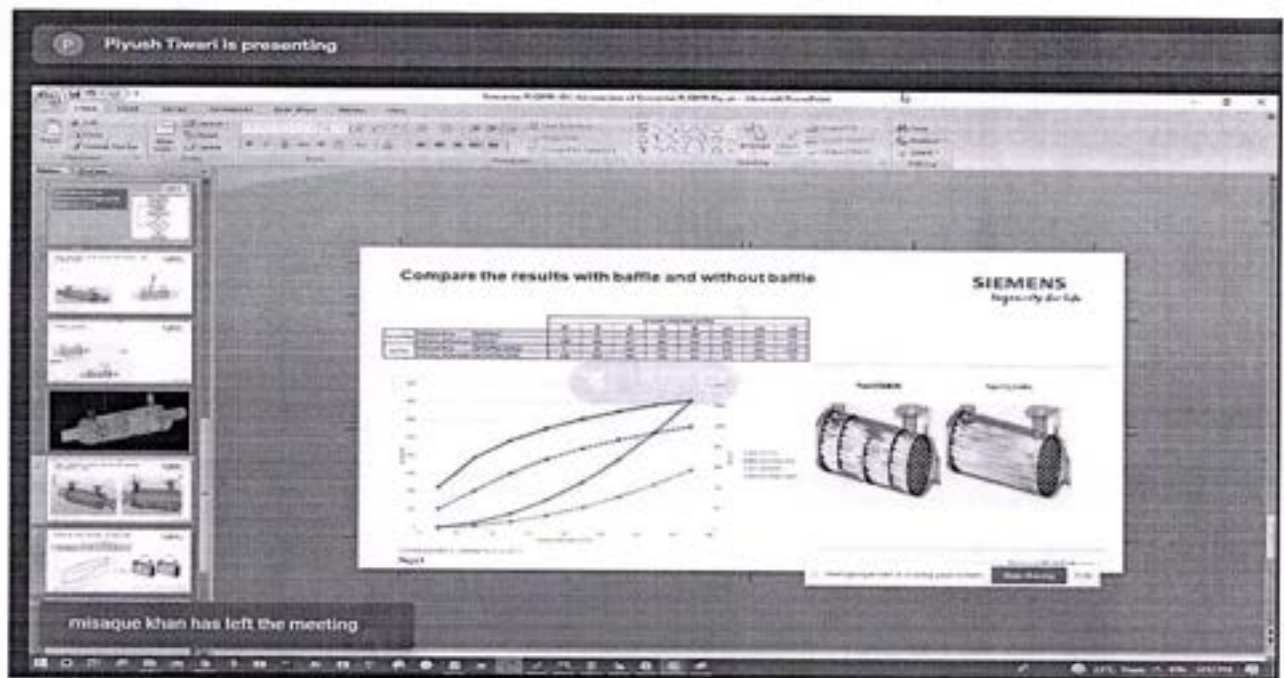
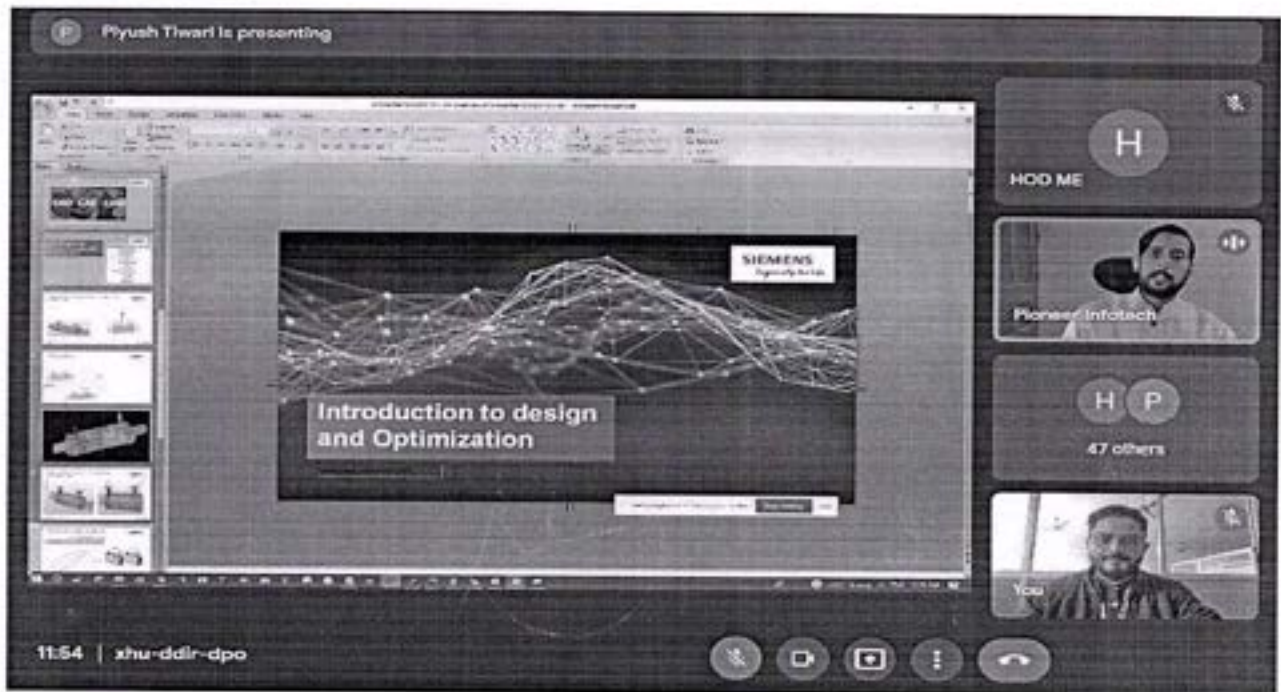


Design, 3-D modelling, assembly and drafting, CAD, CAM and CAE with live demonstration. This is certainly an out of box developments in design oriented career that has so far being consider a very challenging task. More than 50 members participated in the webinar. It was a great success.

The expert lecture was held on Google Meet platform. About 40 students and 12 faculty members has attended the expert talk. Dr. Dheeraj Gupta Director GNIOT and Dr. Iqbal Ahmad Khan HOD Mechanical welcome Mr. Piyush Kumar with their valuable words. At the end of lecture Mr. Piyush Kumar interacted with students and answers their queries related to topic.



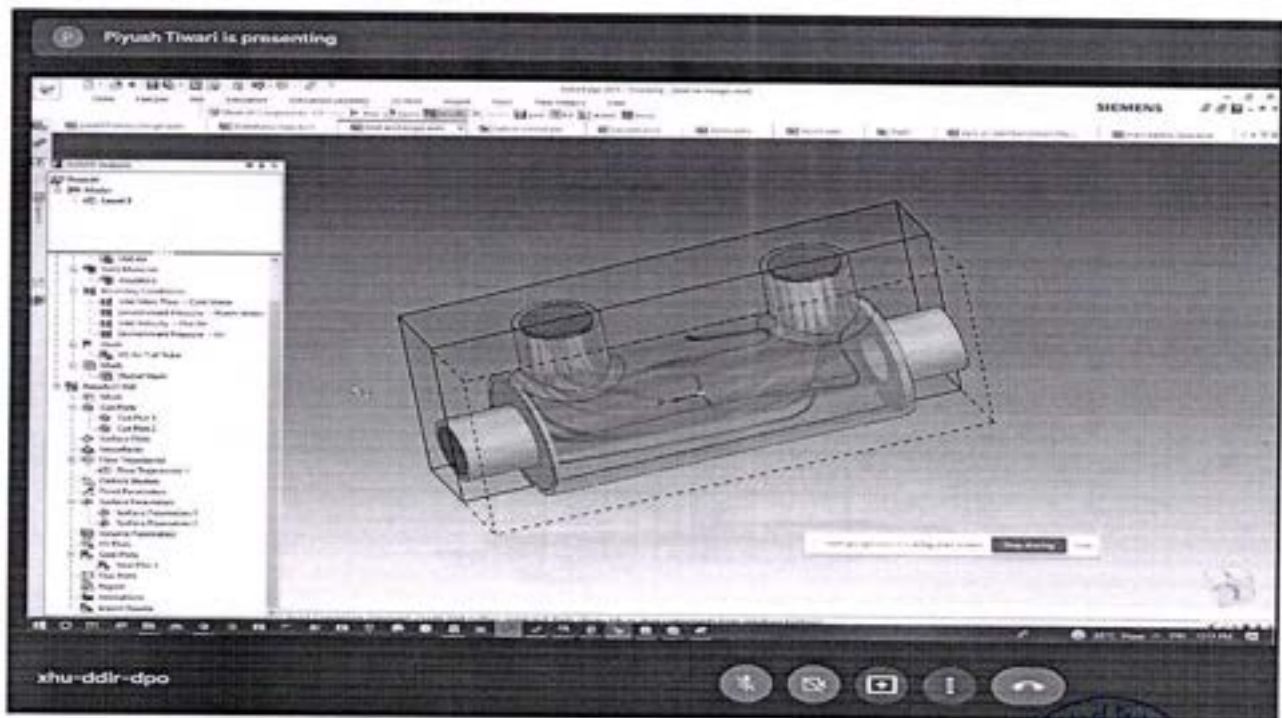
### Photographs:



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Department of Mechanical Engineering

List of Students

S. No.	Roll No	Name of the Student	Year & Section	Signature
1	1713240096	SYED ZAHEER SAJJAD	4A	S. Sajjad
2	1813240001	ABDULLAH ANSARI	4A	A. Ansari
3	1813240002	ABDULLAH HUSSAIN	4A	A. Hussain
4	1813240003	ABHISHEK SINGH	4A	A. Singh
5	1813240004	ABHISHEK KUMAR PRIYADARS	4A	A. Priyadars
6	1813240009	AMIT SHARMA	4A	A. Sharma
7	1813240010	ANAND SAURABH	4A	A. Saurabh
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20	1901320400036	RAVI SHANKAR PANDEY	3A	R. Pandey
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22	1901320400039	SACHIN KUMAR	3A	S. Kumar
23	DIPLOMA	BABLISH KUMAR	2A	B. Kumar
24	DIPLOMA	FAIZ MOHAMMAD	2A	F. Mohammad
25	DIPLOMA	MAUSAM SHARMA	2A	M. Sharma
26	DIPLOMA	SHIVAM TIWARI	2A	S. Tiwari
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28	2001320400016	MINHAZ AHMAD	2A	M. Ahmad
29	2001320400017	MUSHARAF AJMAT	2A	M. Ajmat
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31	2001320400020	RAVI KUMAR VERMA	2A	R. Verma
32	2001320400021	SAIF ALI	2A	S. Ali
33	1813240025	HIMANSHU SHUKLA	4A	H. Shukla
34	1813240026	KARTIK SINGH	4A	K. Singh
35	1813240027	KULDEEP KUMAR	4A	K. Kumar
36	1813240028	KUSH	4A	K. Kush
37	1813240029	MD MERAJ ALAM	4A	M. Alam
38	1813240052	VICKY	4A	V. Vicky
39	1813240053	VINEET FULARA	4A	V. Fulara
40	1813240054	VISHAL	4A	V. Vishal

Signature of HOD  
Dr. Iqbal Ahmed Khan



**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 25<sup>th</sup> November 2021**NOTICE**

It is hereby informed to all the students of 2<sup>nd</sup> year and 4<sup>th</sup> year that as per the academic calendar the Mechanical Engineering Department is organizing an Industrial Visit on **2<sup>nd</sup> December 2021**.

The students are advised to present in full strength and take the maximum benefit from the event.

**Dr. Iqbal Ahmed Khan**  
(HOD/ME)



Copy to;

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ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**



TRANSFORMING STUDENTS  
 INTO INDUSTRY READY  
 PROFESSIONALS



DEPARTMENT OF MECHANICAL ENGINEERING

IS ORGANISING

*“Industrial Visit”*

National Small Industries Corporation

INDUSTRIAL VISIT



02, Thursday  
 December, 2021



09:00AM  
 Onwards

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 Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh-201310  
 0120-2328214/15/16 | 1800 274 6969 | [director@gniotech.net.in](mailto:director@gniotech.net.in) | [www.gniotech.net.in](http://www.gniotech.net.in)



# “Industrial Visit”

To

National Small Industries corporation(NSIC), Okhla, New delhi

*02 December, 2021*

*(9:00 AM to 5:00 PM)*

## VISIT REPORT

*Organized by*

*Department of Mechanical Engineering*



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida– 201308

[www.gniot.net.in](http://www.gniot.net.in)



## Activity Report

### Department:- Mechanical Engineering

**Activity:-** Industrial Visit

**Duration:-** 02<sup>nd</sup> December 2021

**Venue:-** National Small Industries corporation(NSIC), Okhla, New delhi.

**Participants:-** 4<sup>th</sup> and 2<sup>nd</sup> Year students of Mechanical Engineering Deptt.

#### **About the activity:**

Department of Mechanical engineering has been organized an Industrial visit to NSIC, Okhla New Delhi for our undergraduate students on 2nd December 2021. Visit was very fruitful as it's exposed the industrial exploration and motivated the students to think about the implementation of theoretical knowledge upon practical application. This visit provide the advantage of exploration to our students about the latest technology like, additive manufacturing, industrial automation, self sustainable Startup, useful STL coding associated with 3D printing and many more technologies based on industry 4.0. students also learned how to lead any startup as NSIC has very attractive proposal to carry any startup upto its sustainability.

We have a detail discussion with GM Mr. OP Singh (ntscok@nsic.co.in) and their training and placement coordinator about the future endeavor of our current and pass-out students along with our existing faculty members as they proposed to sign a MoU with the GNIOT groups of Institution. In this regards we have send an official invitation to Mr. OP Singh, General Manager (NSIC, New Delhi) to visit our campus in between 20th to 24th December 2021.

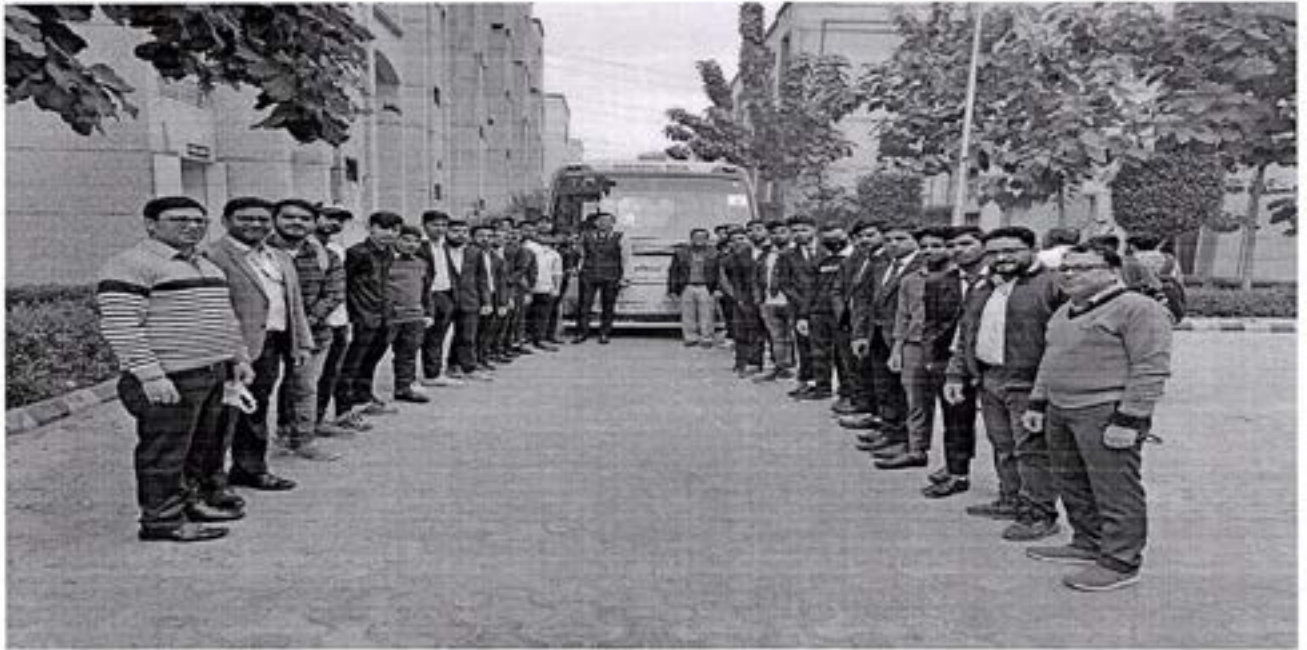
The industrial visit was inaugurated by our honorable **Director Prof.(Dr.) Dheeraj Gupta, HOD(ME) Prof.(Dr.) Iqbal Ahamd Khan and Faculty**

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members of the department. The visit was escorted by **Dr. Avinash Ravi Raja and Mr. Jitendra Kumar Tripathi**. About 40 students have attended the training program.



**Photographs:**











List of Students

S. No.	Roll No	Name of the Student	Year & Section	Signature
1	1813240045	SATYAM SHIVA	3A	[Signature]
2	1901320400001	ABHINAV MADAAN	3A	[Signature]
3	1901320400002	ABHISHEK SINGH	3A	[Signature]
4	1901320400003	ABHISHEK MANOHAR	3A	[Signature]
5	1901320400004	ABUZAR MUSTAQUIM	3A	[Signature]
6	1901320400005	ADARSH PATHAK	3A	[Signature]
7	1901320400006	ADITYA RAO	3A	[Signature]
13	1901320400012	ANKIT KUMAR TIWARI	3A	[Signature]
14	1901320400013	ARPIT KUMAR	3A	[Signature]
15	1901320400014	ASHISH DABAS	3A	[Signature]
16	1901320400017	DEVESH MISHRA	3A	[Signature]
17	1901320400020	HARSH NARAYAN	3A	[Signature]
18	1901320400021	KRITAGYA CHAUDHARY	3A	[Signature]
19	1901320400023	MD. ARIIF	3A	[Signature]
20	1901320400027	MOHAMMAD MISAQUE KHAN	3A	[Signature]
21	1901320400028	MOHIT PAL	3A	[Signature]
22	1901320400030	NADEEM FAZAL	3A	[Signature]
23	1901320400031	NAMAN MANI TRIPATHI	3A	[Signature]
24	1901320400032	NIKITA NATH	3A	[Signature]
25	1901320400033	PRADUMAN KUMAR GUPTA	3A	[Signature]
26	1901320400034	PRAMOD KUMAR	3A	[Signature]
27	1901320400035	RAVI SAHU	3A	[Signature]
28	1901320400036	RAVI SHANKAR PANDEY	3A	[Signature]
29	1901320400037	RISHABH SHARMA	3A	[Signature]
30	1901320400039	SACHIN KUMAR	3A	[Signature]
31	1901320400040	SADDAM HUSSAIN	3A	[Signature]
32	1901320400041	SAJAN	3A	[Signature]
39	1901320400049	SIDDHARTH SINGH SENGAR	2A	[Signature]
40	1901320400050	SOHRAB ALAM ANSARI	2A	[Signature]
41	1901320400051	TAPAN SHARMA	2A	[Signature]
42	1901320400053	VIKRANT UPADHYAY	2A	[Signature]
43	1901320400054	YOGESH KUMAR PATHAK	2A	[Signature]
44	2001320409002	ASHISH KUMAR	2A	[Signature]
45	2001320409003	KULDEEP SHARMA	2A	[Signature]
46	2001320409004	MD ANSAR ANSARI	2A	[Signature]
47	2001320409005	MD DILDAR	2A	[Signature]
48	2001320409006	RAHUL RANA	2A	[Signature]
49	2001320409007	RITUNJAY RAI	2A	[Signature]
50	2001320409008	SUDHIR KUMAR	2A	[Signature]
51	2001320400006	ASHISH KUMAR	2A	[Signature]
52	2001320400007	AYAN ALI SHAH	2A	[Signature]
53	2001320400008	AYUSH SHRIVASTAVA	2A	[Signature]
57	2001320400013	KAIF AHMAD	2A	[Signature]
58	2001320400014	MANVEER	2A	[Signature]
59	2001320400015	MD KAIF	2A	[Signature]
60	2001320400016	MINHAZ AHMAD	2A	[Signature]
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62	2001320400018	NIKHIL SINGH	2A	[Signature]
63	2001320400020	RAVI KUMAR VERMA	2A	[Signature]
64	2001320400021	SAIF ALI	2A	[Signature]
65	2001320400022	SIKANDAR SINGH	2A	[Signature]
66	2001320400023	SURBIT KUMAR SINGH	2A	[Signature]
67	2001320400024	VIVEK TIWARI	2A	[Signature]

Head of HOD  
Dr. [Signature]

Director  
Greater Noida Institute of Technology (Engg.)  
Greater Noida

**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 26<sup>th</sup> November 2021**NOTICE**

It is hereby informed to all faculty, staff and students that as per the academic calendar the Mechanical Engineering Department is organizing Free Health Check-up on **3<sup>rd</sup> December 2021**.

All are advised to be present in full strength and take the maximum benefit of this event.

Dr. Iqbal Ahmed Khan  
(HOD-ME)



Copy to;

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TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS



**GREATER NOIDA INSTITUTE OF TECHNOLOGY**  
**(ENGINEERING INSTITUTE) COLLEGE CODE-132**

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in association with



PARENT HOSPITAL  
**GREEN CITY GREATER NOIDA**

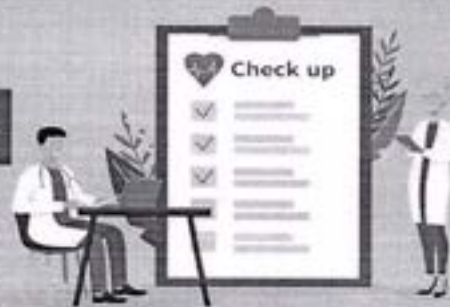
ORGANISING

DEPARTMENT OF MECHANICAL ENGINEERING

**“FREE HEALTH CHECKUP”**

For FACULTY & STAFF

THE  
GREATEST  
**WEALTH IS**  
**HEALTH**



@HEALTHCHECKUP

Venue : CAM Lab (Room No. 64, Ground Floor)



03, Friday  
December, 2021



11:00 AM  
03:00 PM



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director@gniotech.net.in

www.gniotech.net.in



# “Free Health Check-up”

03 December, 2021

(10:00 AM to 4:00 PM)

## Health Check-up REPORT

*Organized by*

*Department of Mechanical Engineering*



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida- 201308

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## Activity Report

### Department:- Mechanical Engineering

**Activity:-** Free Health Check-up

**Duration:-** 03<sup>rd</sup> December 2021

**Venue:-** Room no. 64, ME Department GNIOT, Greater Noida

**Participants:-** All faculty members and staff from all branches of the institute.

**About the activity:**

“ *The Greatest Wealth is Health*”, in this context, a free health checkup event was organized by Mechanical Engineering Department on 03-12-21 at Room no: 64, GNIOT, Greater Noida campus. For setting up the medical camp, the Mechanical Engineering Department collaborated with the Green City Hospital, Delta-I, Greater Noida. The 3 team members of the hospital including two technicians has arrived the college at 10.00 am. Free **physical examinations**, along with **Pulse rate**, **SpO2** and **Blood pressure** measurements were provided by the hospital. Approximately **70** faculty members and staff from all branches came for the checkup.

This Magna social event was successfully organized under the guidance of our Director Prof. (Dr.) Dheeraj Gupta, HOD Mechanical Prof. (Dr.) Iqbal Ahmad Khan, Dy HOD Mr. Gagan Varshney, Dr Rajeev Kumar and other faculty members.

The health checkup camp was coordinated by Mr. Trinath Mahala, Faculty of Mechanical Engineering Department.



**Photographs:****TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS****GREATER NOIDA INSTITUTE OF TECHNOLOGY  
(ENGINEERING INSTITUTE) COLLEGE CODE-132**

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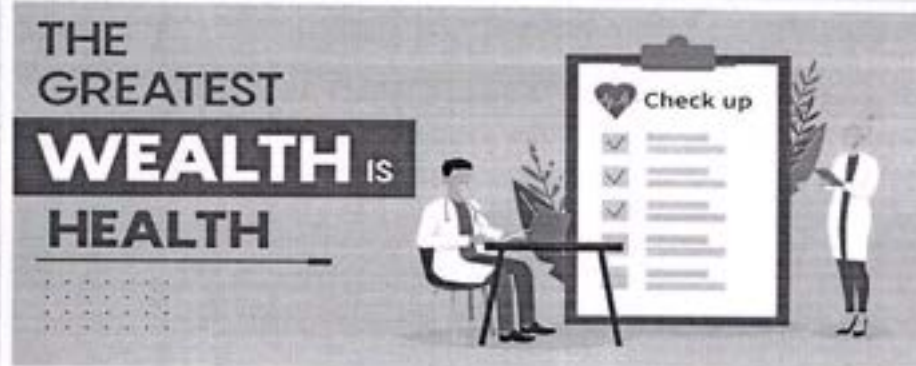
in association with

**PARENT HOSPITAL  
GREEN CITY GREATER NOIDA****ORGANISING**

DEPARTMENT OF MECHANICAL ENGINEERING

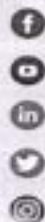
**"FREE HEALTH CHECKUP"**

For FACULTY &amp; STAFF



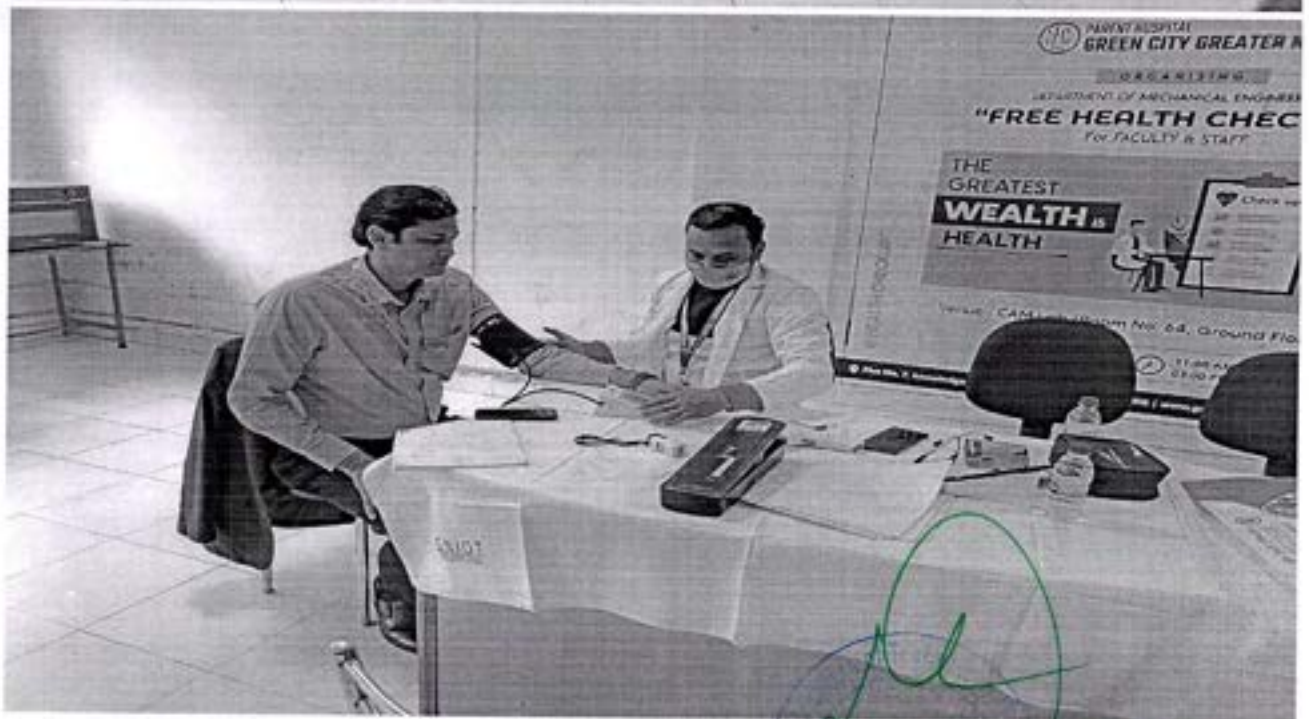
@HEALTHCHECKUP

Venue : CAM Lab (Room No. 64, Ground Floor)

03, Friday  
December, 202111:00 AM  
03:00 PMPlot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969

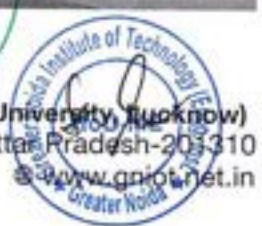
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 ☎ 0120-2328214/15/16 | 1800 274 6969    ✉ director@gniot.net.in    🌐 www.gniot.net.in

*Director*







ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

Department of Mechanical Engineering				
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2	1901320400001	ABHINAV MADAAN	3A	Abhinav
3	1901320400023	MD. ARIF	3A	Arif
4	1901320400027	MOHAMMAD MISAQUE KHAN	3A	Misake Khan
5	1901320400028	MOHIT PAL	3A	Mohit
6	1901320400048	SHUBHAM YADAV	3A	Shubham
7	1901320400049	SIDDHARTH SINGH SENGAR	3A	Siddharth
8	1901320400051	TAPAN SHARMA	3A	Tapan
9	2001320400009	AZAZ ALI	2A	Azaz
10	2001320400010	CHINMOY TALUKDAR	2A	Chinmoy
11	2001320400011	ELIYAS AHMAD	2A	Eliyas
12	2001320400013	KAIF AHMAD	2A	Kaif
13	2001320400014	MANVEER	2A	Manveer
14	2001320400015	MD KAIF	2A	MD Kaif
15	2001320400016	MINHAZ AHMAD	2A	Minhaz
16	2001320400017	MUSHARAF AJMAT	2A	Musharaf
17	2001320400018	NIKHIL SINGH	2A	Nikhil
				Signature of HOD
				Dr. Iqbal Ahmed Khan

(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
9 Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddh Nagar, Uttar Pradesh-201305  
T: 0120-2328214/15/16 | 1800 274 6969 | director@gniot.net.in



**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 2<sup>nd</sup> December 2021**NOTICE**

It is hereby informed to all the students that as per the academic calendar the Mechanical Engineering Department is organizing an Industrial Visit on **9<sup>th</sup> December 2021** for 3rd Year students of Mechanical Engineering Department.

The students are advised to present in full strength and take the maximum benefit from the event.



**Dr. Iqbal Ahmed Khan**  
(HOD-ME)

Copy to;

1. The Director; For kind information please
2. All concerned
3. Notice boards



Director  
Greater Noida \* (Engg. Institute)

# “Industrial Visit”

To

National Small Industries Corporation (NSIC), Okhla, New delhi

09 December, 2021

(9:00 AM to 5:00 PM)

## VISIT REPORT

*Organized by*

*Department of Mechanical Engineering*



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida- 201308

[www.gniot.net.in](http://www.gniot.net.in)





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)



TRANSFORMING STUDENTS  
 INTO INDUSTRY READY  
 PROFESSIONALS



DEPARTMENT OF MECHANICAL ENGINEERING

IS ORGANISING

# *“Industrial Visit”*

National Small Industries Corporation

INDUSTRIAL VISIT



09, Thursday  
 December, 2021



09:00AM  
 Onwards

Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969



(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
 9 Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh-201310  
 ☎ 0120-2328214/15/16 | 1800 274 6969 ✉ [director@gniota.net.in](mailto:director@gniota.net.in) 🌐 [www.gniota.net.in](http://www.gniota.net.in)

## Activity Report

### Department:- Mechanical Engineering

**Activity:-** Industrial Visit

**Duration:-** 09<sup>th</sup> December 2021

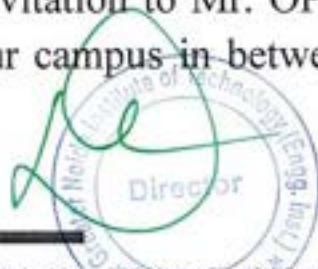
**Venue:-** National Small Industries corporation(NSIC), Okhla, New delhi.

**Participants:-** 3<sup>rd</sup> Year students of Mechanical Engineering Deptt.

#### **About the activity:**

Department of Mechanical engineering has been organized an Industrial visit to NSIC, Okhla New Delhi for our undergraduate students on 2nd December 2021. Visit was very fruitful as it's exposed the industrial exploration and motivated the students to think about the implementation of theoretical knowledge upon practical application. This visit provide the advantage of exploration to our students about the latest technology like, additive manufacturing, industrial automation, self sustainable Startup, useful STL coding associated with 3D printing and many more technologies based on industry 4.0. students also learned how to lead any startup as NSIC has very attractive proposal to carry any startup upto its sustainability.

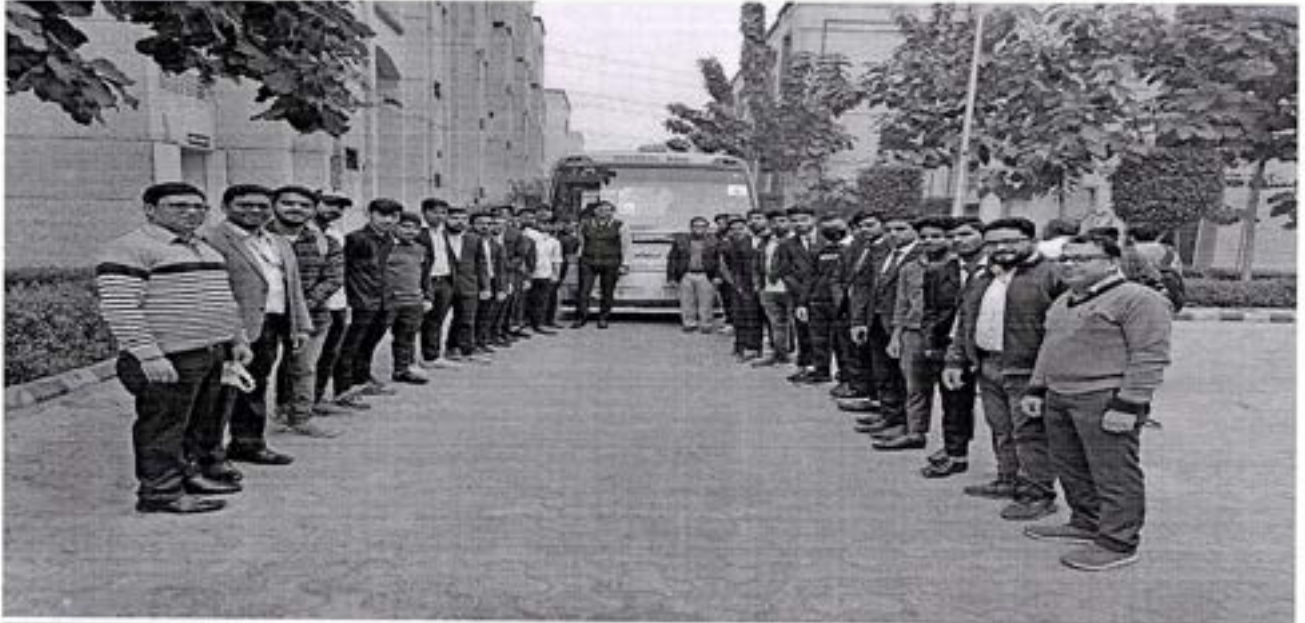
We have a detail discussion with GM Mr. OP Singh (ntscok@nsic.co.in) and their training and placement coordinator about the future endeavor of our current and pass-out students along with our existing faculty members as they proposed to sign a MoU with the GNIOT groups of Institution. In this regards we have send an official invitation to Mr. OP Singh, General Manager (NSIC, New Delhi) to visit our campus in between 20th to 24th December 2021.

  
Director  
HoD-ME



The industrial visit was inaugurated by our honorable **Director Prof.(Dr.) Dheeraj Gupta, HOD(ME) Prof.(Dr.) Iqbal Ahamd Khan** and Faculty members of the department. The visit was escorted by **Mr. Syed Qaisar Husain** and **Mr. Girendra Singh Bhati**. About 30 students have attended the training program.



**Photographs:**



Department of Mechanical Engineering				
List of Students				
S. No.	Roll No	Name of the Student	Year & Section	Signature
1	1813240045	SATYAM SHIVA	3A	Satyam
2	1901320400001	ABHINAV MADAAN	3A	Abhinav
3	1901320400002	ABHISHEK SINGH	3A	Abhishek
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8	1901320400007	AKHILESH KUMAR YADAV	3A	Akhilesh
9	1901320400008	AKHLAKUR RAHMAN	3A	Akhilakur
10	1901320400009	AMAN SHISHODIA	3A	Aman
11	1901320400010	AMAN SINGH	3A	Aman
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22	1901320400030	NADEEM FAZAL	3A	Nadeem
23	1901320400031	NAMAN MANI TRIPATHI	3A	Naman
24	1901320400032	NIKITA NATH	3A	Nikita
25	1901320400033	PRADUMAN KUMAR GUPTA	3A	Praduman
26	1901320400034	PRAMOD KUMAR	3A	Pramod

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 ☎ 0120-2328214/15/16 | 1800 274 6969 ✉ director@gniot.net.in 🌐 www.gniot.net.in





**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 3<sup>rd</sup> February 2022**NOTICE**

It is hereby informed to all the faculty and students of 3<sup>rd</sup> year and 4<sup>th</sup> year that as per the academic calendar the Mechanical Engineering Department is organizing an expert talk on 9<sup>th</sup> February 2022.

The students are advised to present in full strength and take the maximum benefit from the event.

Dr. Iqbal Ahmed Khan  
(HOD-ME)

Copy to;

1. The Director; For kind information please
2. All concerned
3. Notice boards





Institution's Innovation Council (GNIOT) in  
association with **Mechanical Engineering Deptt.** and  
GNIOT-MSME Incubation center  
(Ministry of MSME, Govt of India)

ORGANIZES

ONLINE EXPERT TALK ON

*A Success Story of a Successful  
Innovator turned Entrepreneur*



SPEAKER

**Mr. AKASH SINGH**

Founder  
Energinee Innovations

#Entrepreneur



(Prof.) Dr. Dhiraaj Gupta  
Director



Dr. Anuranjan Misra  
Dean (MSD)



Dr. Iqbal Ahmed Khan  
HOD-ME



Dr. Rajeev Kumar  
Associate Professor (ME)



09<sup>th</sup>, Wednesday  
February, 2021



01:36 AM  
02:25 PM



Google Meet

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☎ 0120-2328214/15/16 | 1800 274 6969 ✉ [director@gniots.net.in](mailto:director@gniots.net.in) 🌐 [www.gniots.net.in](http://www.gniots.net.in)

# “EXPERT TALK”

ON

A Success story of a successful Innovator turned Entrepreneur

09 February, 2022

(1:35 PM to 2:25 PM)

## VISIT REPORT

*Organized by*

*Department of Mechanical Engineering*



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida- 201308

[www.gniot.net.in](http://www.gniot.net.in)





## Activity Report

**Department:** - MECHANICAL ENGINEERING.

**Activity:** - EXPERT TALK ON "A Success story of a successful Innovator turned Entrepreneur"

**Guest:** - Mr. AKASH SINGH  
(Founder & CEO, Energinee Innovation)

**Held On:** - 09<sup>th</sup> Feb. 2022

**Venue:** - GREATER NOIDA INSTITUTE OF TECHNOLOGY,  
GREATER NOIDA

**Attended by:** - ALL FACULTY MEMBERS AND B.Tech, III & IV year (ME and CE) STUDENTS.

### **Brief Report:** -

Institution's Innovation Council (GNIOT-132) in association with Mechanical Engineering Department and GNIOT-MSME Incubation Center has organized an online expert talk on "A Success story of a successful Innovator turned Entrepreneur" for the students of Mechanical and Civil third year and final year. Mr. AKASH SINGH (Founder & CEO, Energinee Innovation) has delivered expert lecture focusing on the following objectives:

- To make them aware about how to become an innovator and carry out innovation(s).
- To provide insight into how to develop, organize and manage a business venture in order to enhance student's knowledge in this domain.
- To provide knowledge to the students about how to remove unemployment and to develop industrially backward region.
- To know the pros and cons of being an entrepreneur.
- To make them understand the process and procedure involved in setting up small units.

Furthermore Mr. Akash Singh discussed the following key points which was struggled by him during his long journey of carrier. He also put emphasis on the same for the better development of students to become a good and successful Innovators, entrepreneurs and Businessman.

- Participation in several science and innovation festivals.
- Carryout projects such as a self-power generating walking stick, a smart irrigation sprinkler and wind harnessing machine.
- How his work received accolades from the Ministry of Environment and Climate Change and MSME (GOI), New Delhi.
- Launching of his start-up Energinee Innovations, which aims to help temples recycle waste and enable prisoners to get a livelihood.

The expert lecture was held in online mode. About 70 students and 15 faculty members has attended the expert talk. Dr. Dhiraj Gupta Director GNIOT and Dr. Iqbal Ahmad Khan HOD Mechanical welcome Mr. Akash Singh. At the end of lecture Mr. Akash Singh interacted with students and answers their queries related to topic.



**Photographs:**


Director  
 Greater Noida Institute of Technology (Engg.)

Greater Noida Institute of Technology (Engg.)  
 Plot No. 7, Knowledge Park-II, Greater Noida, Gautam-Buddh Nagar, Uttar Pradesh-201310

Department of Mechanical Engineering				
List of Students				
S. No.	Roll No	Name of the Student	Year & Section	Signature
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25	1901320400033	PRADUMAN KUMAR GUPTA	3A	Praduman
26	1901320400034	PRAMOD KUMAR	3A	Pramod
27	1901320400035	RAVI SAHU	3A	Ravi
28	1901320400036	RAVI SHANKAR PANDEY	3A	Ravi
29	1901320400037	RISHABH SHARMA	3A	Rishabh
30	1901320400039	SACHIN KUMAR	3A	Sachin
31	1901320400040	SADDAM HUSSAIN	3A	Saddam
32	1901320400041	SAJAN	3A	Sajan
33	1813240002	ABDULLAH HUSSAIN	4A	Abdullah
34	1813240003	ABHISHEK SINGH	4A	Abhishek
35	1813240004	ABHISHEK KUMAR PRIYADARSH	4A	Abhishek
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38	1813240007	AJAZ KHAN	4A	Ajaz
39	1813240008	ALOK CHAUHAN	4A	Alok
40	1813240009	AMIT SHARMA	4A	Amit

41	1813240010	ANAND SAURABH	4A	<i>A Saurabh</i>
42	1813240011	ANAND VEER VIKRAM	4A	<i>A Veer Vikram</i>
43	1813240012	ANUBHAV DHAMA	4A	<i>Anubhav</i>
44	1813240014	ARUN HARIJAN	4A	<i>Arun</i>
45	1813240015	ARVIND KUMAR GUPTA	4A	<i>Arvind gupta</i>
46	1813240017	ASHISH SHAKYA	4A	<i>A Shukla</i>
47	1813240020	DEEPANKAR PANDEY	4A	<i>Deepankar</i>
48	1813240021	FAISAL ZAFAR	4A	<i>F Zafar</i>
49	1813240023	HANAN ANSARI	4A	<i>H Ansari</i>
50	1813240024	HARSHDEEP SRIVASTAVA	4A	<i>H Srivastava</i>
51	1813240025	HIMANSHU SHUKLA	4A	<i>H Shukla</i>
52	1813240026	KARTIK SINGH	4A	<i>K Singh</i>
53	1813240027	KULDEEP KUMAR	4A	<i>K Kumar</i>
54	1813240028	KUSH	4A	<i>Kush</i>
55	1813240029	MD MERAJ ALAM	4A	<i>MD Alam</i>
56	1813240030	MD SAHIL	4A	<i>MD Sahil</i>
57	1813240031	MD SAIF	4A	<i>MD Saif</i>
58	1813240032	MOHAMMAD DANISH	4A	<i>M Danish</i>
59	1813240035	MOHD. JAMAL	4A	<i>MD Jamal</i>

Signature of HOD

Dr. Iqbal Ahmad Khan



**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 17<sup>th</sup> February 2022**NOTICE**

It is hereby informed to all the faculty and students of 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year (ME, CE, EE) that as per the academic calendar the Mechanical Engineering Department is organizing an Webinar ON "Automation Studio Software" on **21st February 2022..**

The students are advised to present in full strength and take the maximum benefit from the event.

Dr. Iqbal Ahmed Khan  
(HOD-ME)



Copy to;

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2. All concerned
3. Notice boards





TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS



**Mechanical Engineering Department is  
organizing a webinar**

ON

## *Automation Studio Software*

By GNIOT, Greater Noida



**Mr. Rohan Bingi**

Product Support Team Leader  
Famic Technologies Pvt. Ltd, Pune



**Dr. Dhiraj Gupta**  
Director



**Dr. Iqbal Ahmed Khan**  
HOD-ME



**Mr. S. Q. Husain**  
Moderator

@WEBINAR



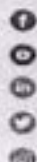
21th, Monday  
February, 2022



11:00 AM  
1:00 PM



Google Meet



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**“Webinar”**  
**ON**  
**Automation Studio Software**

*21 February, 2022*

*(11:00 AM to 1;00 PM)*

**REPORT**

*Organized by*  
*Department of Mechanical Engineering*



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida- 201308

[www.gniot.net.in](http://www.gniot.net.in)



## Activity Report

**Department:** - MECHANICAL ENGINEERING.

**Activity:** - Webinar ON "*Automation Studio Software*"

**Guest:** - **Mr. ROHAN BINGI**  
(Product Support Team Leader, Famic Technologies Pvt. Ltd.,PUNE)

**Held On:** - 21<sup>th</sup> Feb. 2022

**Venue:** - GREATER NOIDA INSTITUTE OF TECHNOLOGY,  
GREATER NOIDA

**Attended by:** - ALL FACULTY MEMBERS AND B.Tech. II, III & IV year (ME,EC & EE)  
STUDENTS.

**Brief Report:** -

Mechanical Engineering Department is organizing a Webinar on Automation Studio software. This software is provided by Famic Technologies Pvt. Ltd. PUNE. **Mr. ROHAN BINGI** (Product Support Team Leader, Famic Technologies Pvt. Ltd.,PUNE) has delivered expert lecture focusing on the following objectives:

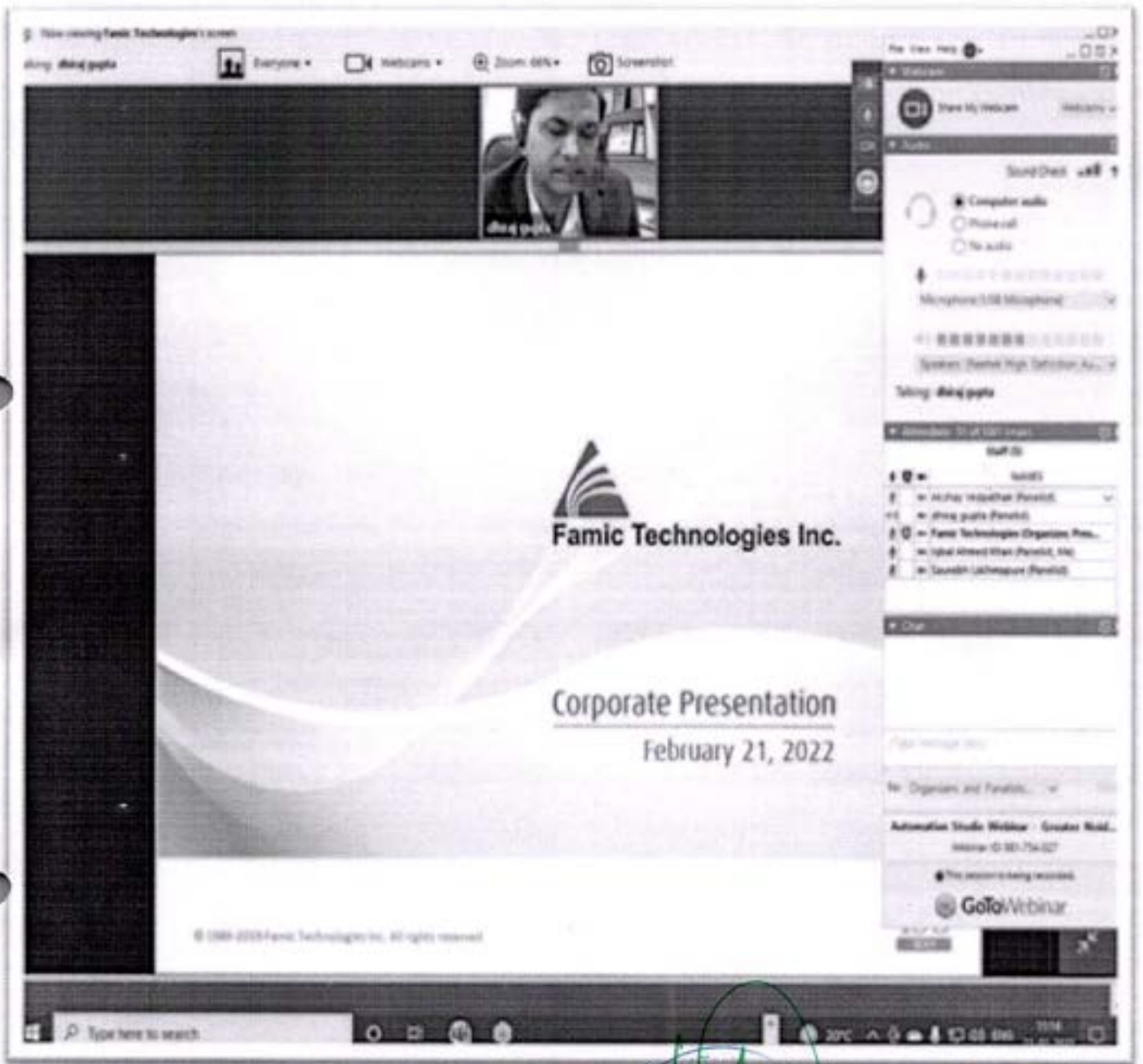
1. Basic Overview of the software and system requirements.
2. Problem Handling Capabilities of software in context with Engineering based industrial automation.
3. Outcomes and significance of the software specially related to Industrial Automation.
4. Detailed step by step illustration of a sample problem simulation.

The objective of the webinar is to provide overview information on Industrial Automation for Mechanical, Electrical and Electronics Engineering students. This software performs simulation of Automation such as PLC programming, Hydraulic and Pneumatic circuits design etc. as per requirement of the industries. Further, Industrial Automation is the first step towards Industry 4.0.

The expert lecture was held in online mode. About 70 students and 10 faculty members has attended the expert talk. Dr. Dhiraj Gupta Director GNIOT and Dr. Iqbal Ahmad Khan HOD Mechanical welcome Mr. Rohan Bingi. At the end of lecture Mr. Rohan Bingi interacted with students and answers their queries related to topic.

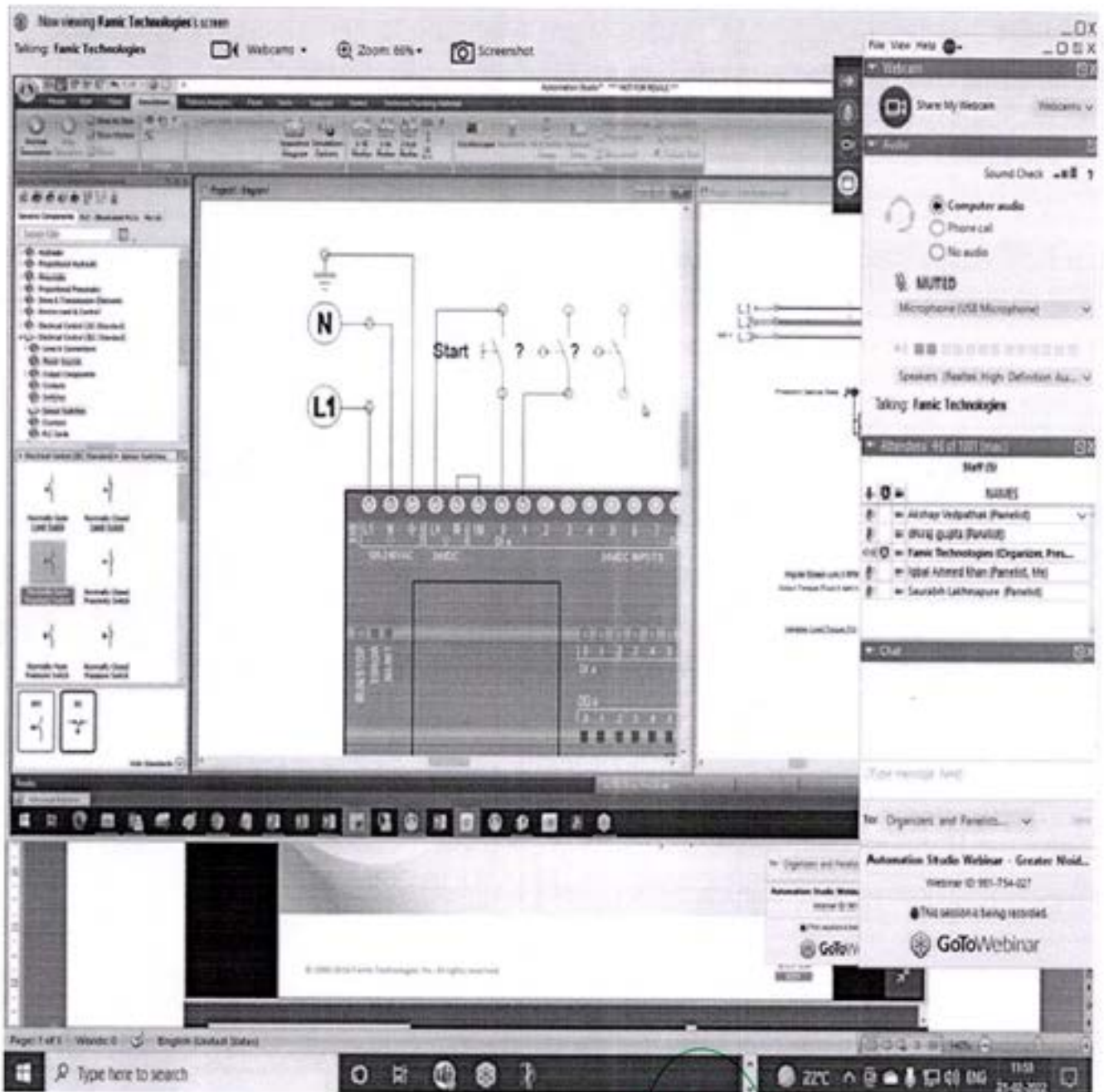
Mechanical Engineering field problems persisted in industries.



**Photographs:**

*[Handwritten Signature]*  
Director  
Greater Noida Institute of Technology  
Greater Noida

*[Handwritten Signature]*  
Vidya ME  
Greater Noida Institute of Technology (Engg.)  
Greater Noida



Department of Mechanical Engineering				
List of Students				
S. No.	Roll No	Name of the Student	Year & Section	Signature
1	2001320400014	MANVEER	2A	Manveer
2	2001320400015	MD KAIF	2A	Md. Kaif
3	2001320400016	MINHAZ AHMAD	2A	Minhaz
4	2001320400017	MUSHARAF AJMAT	2A	Nikhil
5	2001320400018	NIKHIL SINGH	2A	Musharaf
6	2001320400020	RAVI KUMAR VERMA	2A	Ravi
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8	2001320400022	SIKANDAR SINGH	2A	Sikandar
9	2001320400023	SUMIT KUMAR SINGH	2A	Sumit
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34	1813240010	ANAND SAURABH	4A	Anand
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46	1813240027	KULDEEP KUMAR	4A	Kuldeep
47	1813240028	KUSH	4A	Kush



Signature of HOD  
 Dr. Iqbal Ahmed Khan



**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 15<sup>th</sup> February 2022**NOTICE**

It is hereby informed to all the students of 2<sup>nd</sup> year that as per the academic calendar the Mechanical Engineering Department is organizing Training Programme ON " Industrial Automation " from 22<sup>nd</sup> to 26<sup>th</sup> February 2022..

The students are advised to present in full strength and take the maximum benefit from the event.



**Dr. Iqbal Ahmed Khan**  
(HOD, ME)

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3. Notice boards



Director



**GNIOT**  
GROUP OF INSTITUTIONS

TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS



**DEPARTMENT OF MECHANICAL ENGINEERING**

IS ORGANISING

Training Program

on

*“Industrial Automation”*

in association with

**National Small Industries Corporation**

#TrainingProgram



22th to 26th  
February, 2022



11:00 AM  
ON WARDS



OKHLA  
NEW DELHI

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(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddh Nagar, Uttar Pradesh-201310  
☎ 0120-2328214/15/16 | 1800 274 6969 ✉ [director@gniotech.net.in](mailto:director@gniotech.net.in) 🌐 [www.gniotech.net.in](http://www.gniotech.net.in)



**“Training Program”**  
**ON**  
**Industrial Automation**

*22 - 26 February, 2022*

*(11:00 AM onwards)*

**REPORT**

*Organized by*  
*Department of Mechanical Engineering*



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida– 201308

[www.gniot.net.in](http://www.gniot.net.in)



## Activity Report

### Department:- Mechanical Engineering

**Activity:-** Orientation Program Cum Workshop

**Resource person:-** Mr. Shantanu (Expert from NSIC, Okhla, New-Delhi)

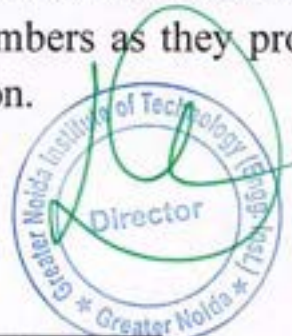
**Duration:-** 22<sup>nd</sup> Feb 2022 To 26<sup>th</sup> Feb 2022

**Venue:-** Room No. 36 main block GNIOT, Greater Noida From 22/02/2022 To: 24/02/2022 and National Small Industries corporation(NSIC), Okhla, New delhi From 25/02/2022 To: 26/02/2022.

**Participants:-** 2<sup>nd</sup> Year students of Mechanical Engineering Deptt.

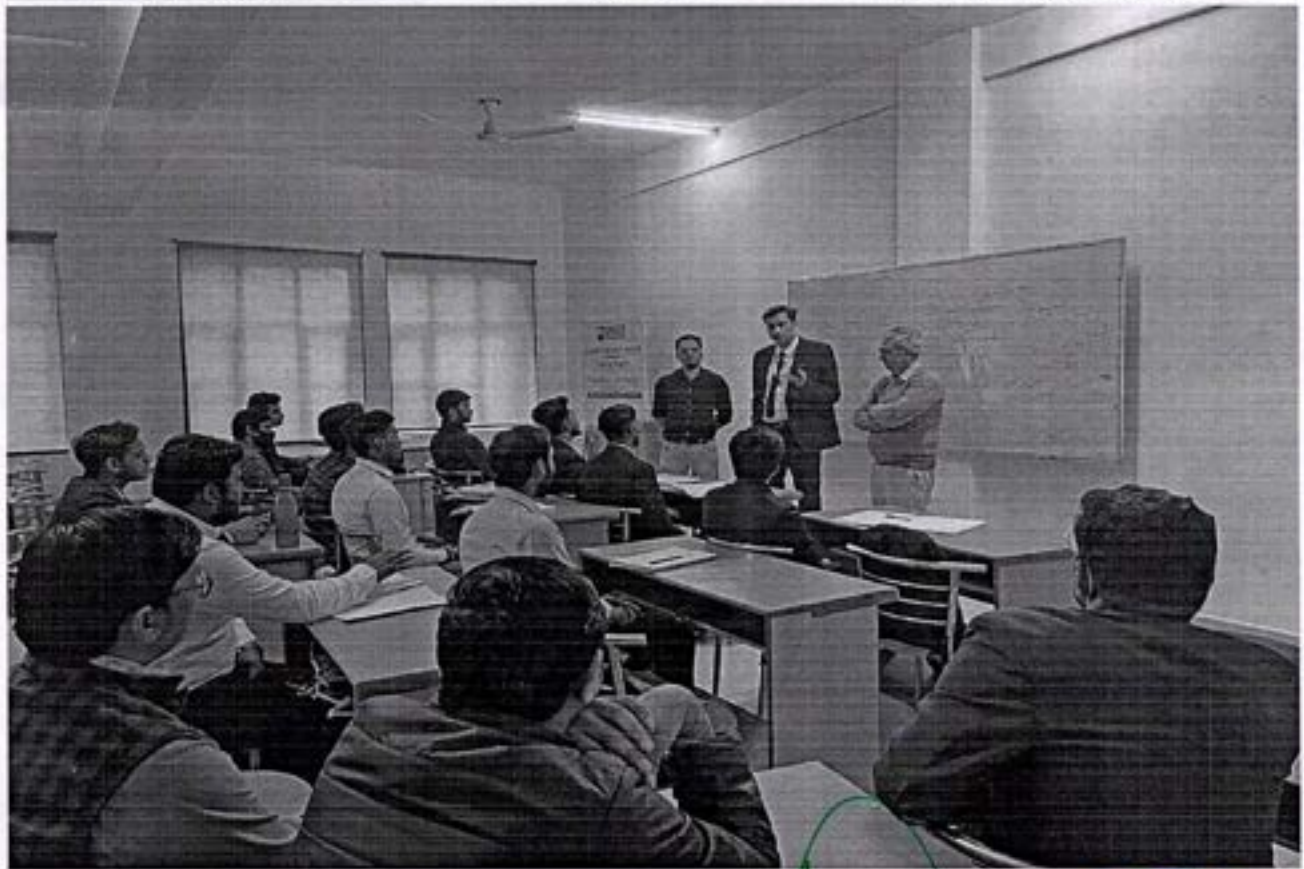
#### **About the activity:**

Mechanical Engineering Department has organized a Five day Orientation program/workshop on Industrial Automation with elementary exposure on Automation Kits in NSIC, Okhla, New-Delhi. The objective of this orientation program is to aware the Mechanical Engineering students with the need of Industrial Automation in Industries. This will provide a great help to our students in understanding recent advancement in industrial Automation. Furthermore this program will also help to create a bridge between Academics and Industries and create job opportunities to the upcoming Engineering students. During this program students have to know the fundamentals of Industrial Automation and further how they will link with Industry 4.0 technologies. Also it explores placement opportunities for them in the industries. We have a detail discussion with GM Mr. OP Singh (ntscok@nsic.co.in) and their training and placement coordinator about the future endeavor of our current and pass-out students along with our existing faculty members as they proposed to sign a MoU with the GNIOT groups of Institution.



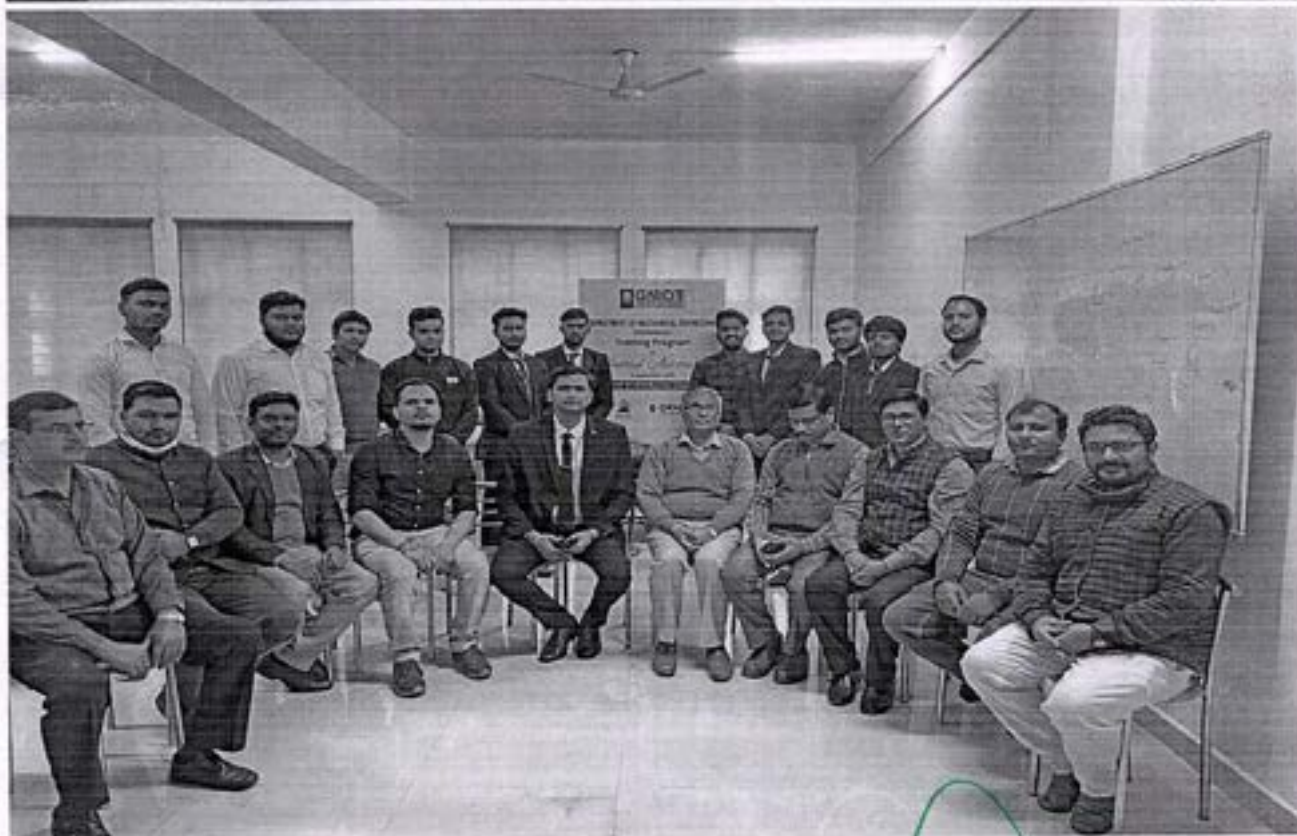
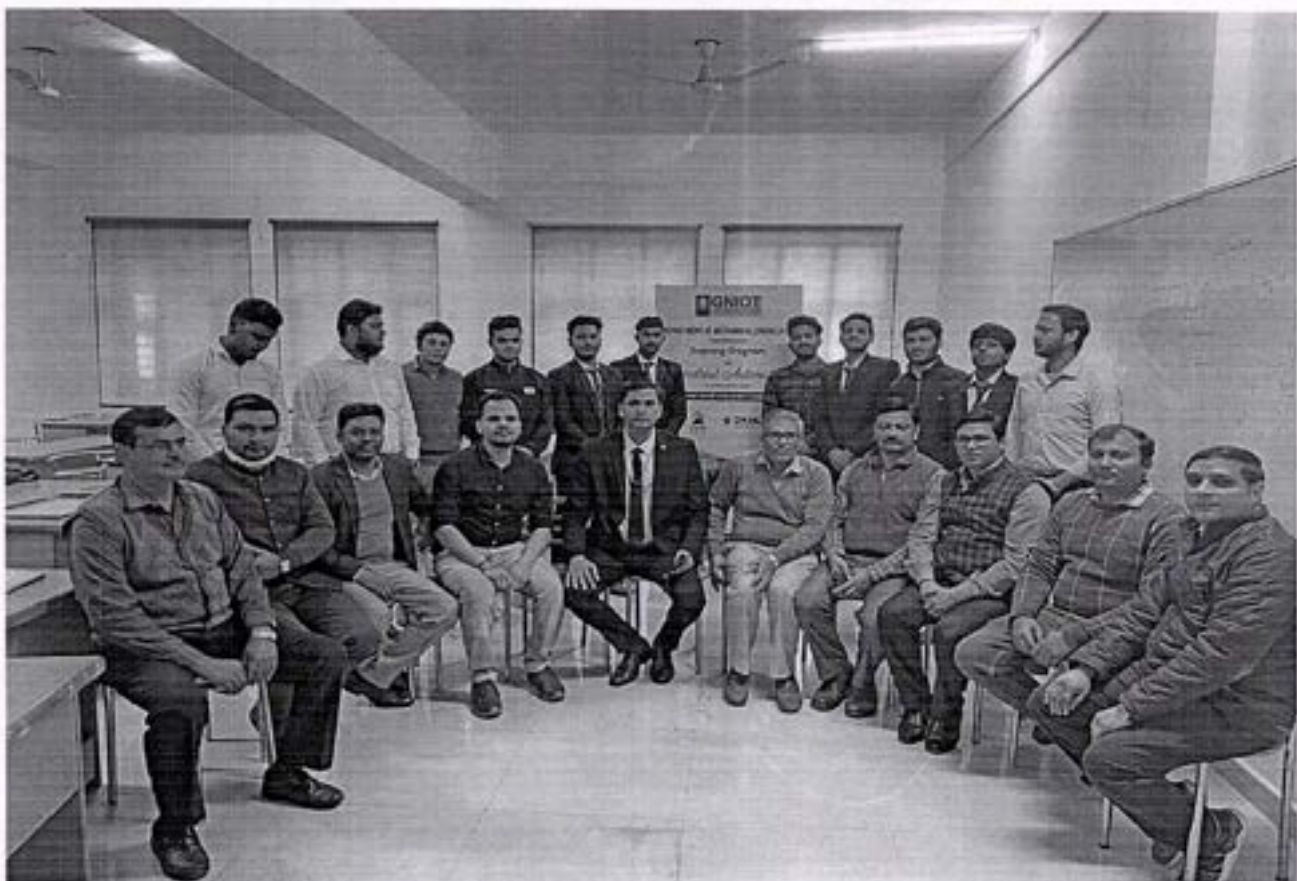
The orientation program was inaugurated by our honorable **Director Prof.(Dr.) Dheeraj Gupta, HOD(ME) Prof.(Dr.) Iqbal Ahamd Khan** and Faculty members of the department. The visit to NSIC was escorted by **Prof.(Dr.) Iqbal Ahamd Khan and Dr. Avinash Ravi Raja**. About 20 students have attended the training program.



**Photographs:**

(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
9 Plot No. 7, Knowledge Park-II, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh, 201310  
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**Department of Mechanical Engineering**
**List of Students**

S. No.	Roll No	Name of the Student	Year & Section	Signature
1	2001320400002	ADITYA KUMAR	2A	Aditya
2	2001320400003	AKASH KUMAR BHARTI	2A	Akash
3	2001320400004	AMAN KHAN	2A	Aman
4	2001320400005	ARMAN ASHRAF	2A	Arman
5	2001320400006	ASHISH KUMAR	2A	Ashish
6	2001320400007	AYAN ALI SHAH	2A	Ayan
7	2001320400008	AYUSH SHRIVASTAVA	2A	Ayush
8	2001320400009	AZAZ ALI	2A	Azaz
9	2001320400010	CHINMOY TALUKDAR	2A	Chinmay
10	2001320400011	ELIYAS AHMAD	2A	Eliyas
11	2001320400013	KAIF AHMAD	2A	Kaif
12	2001320400014	MANVEER	2A	Manveer
13	2001320400015	MD KAIF	2A	MD Kaif
14	2001320400016	MINHAZ AHMAD	2A	Minhaz
15	2001320400017	MUSHARAF AJMAT	2A	Mushraf
16	2001320400018	NIKHIL SINGH	2A	Nikhil
17	2001320400020	RAVI KUMAR VERMA	2A	Ravi
18	2001320400021	SAIF ALI	2A	Saif
19	2001320400022	SIKANDAR SINGH	2A	Sikandar
20	2001320400023	SUMIT KUMAR SINGH	2A	Sumit
21	2001320400024	VIVEK TIWARI	2A	Vivek




Signature of HOD  
**Dr. Iqbal Ahmed Khan**

**Department of Mechanical Engineering**

Ref: - No. GNIOT/ME/ 2021/

Date: 10<sup>th</sup> March 2022**NOTICE**

It is hereby informed to all the students of 2<sup>nd</sup> year that as per the academic calendar the Mechanical Engineering Department is organizing a competition ON "Auto CAD " on 14<sup>th</sup> March 2022..

The students are advised to present in full strength and take the maximum benefit from the event.

  
Dr. Iqbal Ahmed Khan  
(HOD-ME)

Copy to;

1. The Director; For kind information please
2. All concerned
3. Notice boards

  
Director



TRANSFORMING STUDENTS  
INTO INDUSTRY READY  
PROFESSIONALS

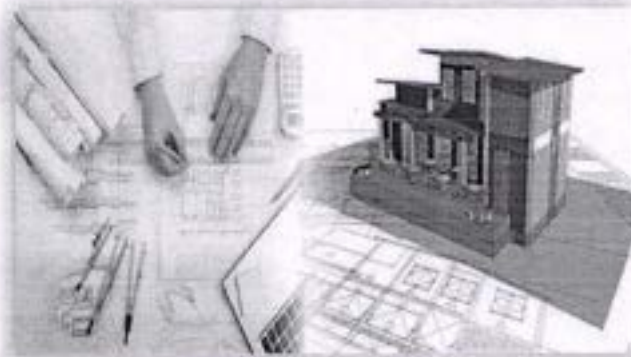


DEPARTMENT OF MECHANICAL ENGINEERING

ORGANIZED BY

# Autocad Competition

Under the banner of Tech Mechanizer's in  
association with Institute Technical Committee



#AUTOCADCOMPETITION



14th March  
Monday, 2022



CAD LAB  
Room No. 46



Plot No. 7, Knowledge Park II, Greater Noida, (UP) 201306 | [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in) | 1800-274-6969





**“Competition”**

**ON**

**Auto CAD**

**14<sup>th</sup> March, 2022**

**(10:00 AM onwards)**

**REPORT**

*Organized by*

*Department of Mechanical Engineering*



**Greater Noida Institute of Technology (GNIOT)**

Knowledge park-II, Greater Noida– 201308

[www.gniot.net.in](http://www.gniot.net.in)



## Activity Report

### Department:- Mechanical Engineering

**Activity:-** AutoCAD Competition

**Duration:-** 14<sup>th</sup> March 2022

**Venue:-** CAD Lab, Room No.46, GNIOT Campus, Greater Noida

**Participants:-** 3<sup>rd</sup> Year students of Mechanical Engineering Deptt.

#### **About the activity:**

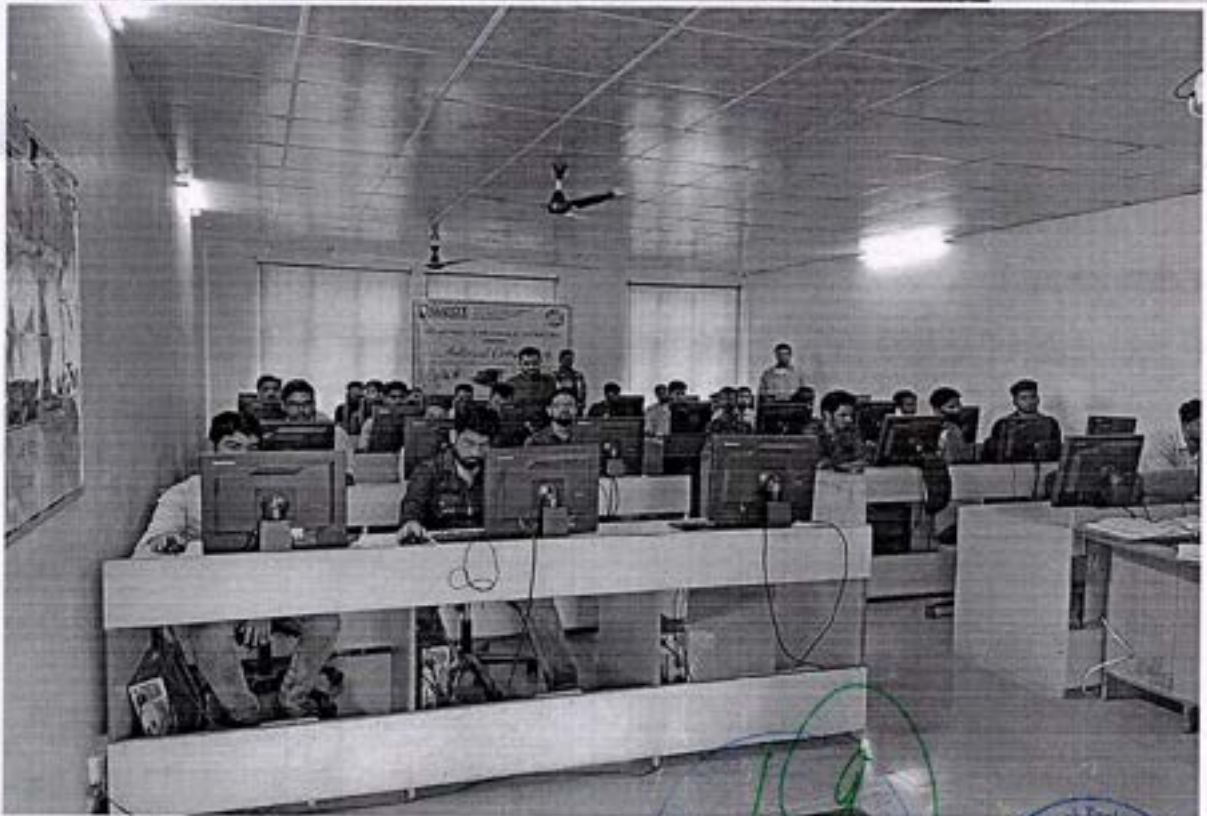
Mechanical Engineering Department is going to organised an AutoCAD competition under the banner of its technical club "Tech Mechanizer's" in association with ITC, GNIOT. The main objective of such competition it to nurture the students mind in the field of Design and it's applications. Furthermore such competition will help in revocation of new and modern ideas in the field of mechanical Engineering design problems and it's problem solutions in a very innovative and lucid manner.

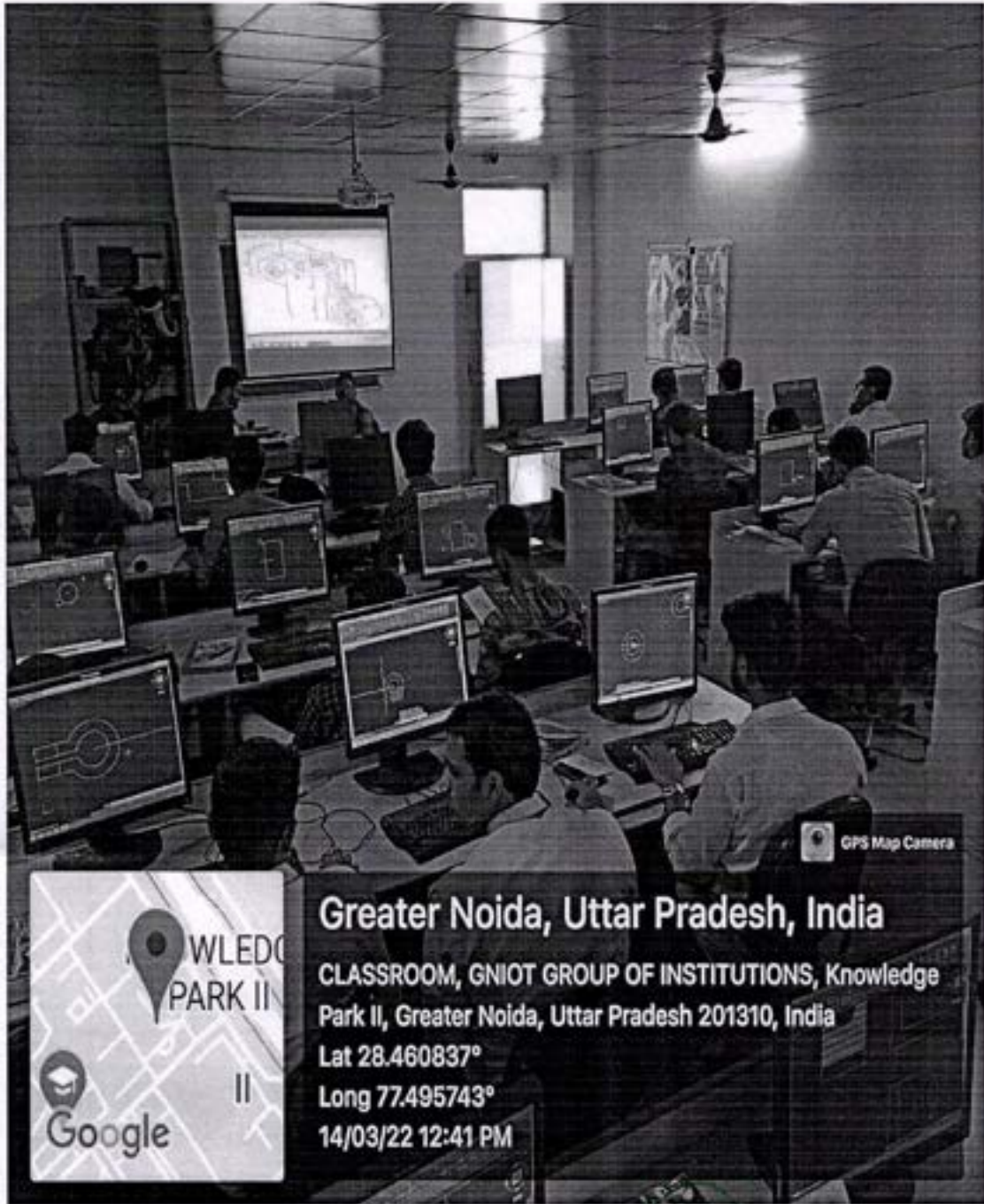
The Competition was inaugurated by our honorable **Director Prof.(Dr.) Dheeraj Gupta, HOD(ME) Prof.(Dr.) Iqbal Ahamd Khan** and Faculty members of the department. The Competition was Conducted by **Mr. Girendra Singh Bhati**. About 23 students have attended the Compition.

Furthermore the winners for first 3 positions were awarded by Certificate of appreciation from Institutional Technical committee (ITC), GNIOT. The Detail is as follows:

1. Yogesh Kumar pathak.-----1<sup>st</sup> Position
2. Shubham Jaiswal.-----2<sup>nd</sup> Position
3. Mohit Pal. -----3<sup>rd</sup> Position.



**Photographs:**



### Greater Noida, Uttar Pradesh, India

CLASSROOM, GNIOT GROUP OF INSTITUTIONS, Knowledge Park II, Greater Noida, Uttar Pradesh 201310, India

Lat 28.460837°

Long 77.495743°

14/03/22 12:41 PM

GPS Map Camera



Department of Mechanical Engineering				
List of Students				
S. No.	Roll No	Name of the Student	Year & Section	Signature
1	1813240045	SATYAM SHIVA	3A	Satya
2	1901320400001	ABHINAV MADAAN	3A	Abhinav
3	1901320400002	ABHISHEK SINGH	3A	Abhishek Singh
4	1901320400003	ABHISHEK MANOHAR	3A	Abhishek
5	1901320400004	ABUZAR MUSTAQUIM	3A	Abuzar
6	1901320400005	ADARSH PATHAK	3A	Adarsh Pathak
7	1901320400006	ADITYA RAO	3A	Aditya Rao
8	1901320400013	ARPIT KUMAR	3A	Arpit Kumar
9	1901320400014	ASHISH DABAS	3A	Ashish Dabas
10	1901320400017	DEVESH MISHRA	3A	Devesh Mishra
11	1901320400020	HARSH NARAYAN	3A	Harsh Narayan
12	1901320400027	MOHAMMAD MISAQUE KHAN	3A	Mohammad Misque Khan
13	1901320400028	MOHIT PAL	3A	Mohit Pal
14	1901320400031	NAMAN MANI TRIPATHI	3A	Naman Mani Tripathi
15	1901320400032	NIKITA NATH	3A	Nikita Nath
16	1901320400033	PRADUMAN KUMAR GUPTA	3A	Praduman Kumar Gupta
17	1901320400034	PRAMOD KUMAR	3A	Pramod Kumar
18	1901320400036	RAVI SHANKAR PANDEY	3A	Ravi Shankar Pandey
19	1901320400037	RISHABH SHARMA	3A	Rishabh Sharma
20	1901320400040	SADDAM HUSSAIN	3A	Saddam Hussain
21	1901320400041	SAJAN	3A	Sajan
22	1901320400042	SAJID HUSSAIN	3A	Sajid Hussain
23	1901320400043	SANJU SHARMA	3A	Sanju Sharma
24	1901320400044	SARIM REYAZ	3A	Sarim Reyaz
25	1901320400046	SHIVAM KUMAR NISHAD	3A	Shivam Kumar Nishad
26	1901320400047	SHUBHAM JAISWAL	3A	Shubham Jaiswal
27	1901320400048	SHUBHAM YADAV	3A	Shubham Yadav
28	1901320400054	YOGESH KUMAR PATHAK	3A	Yogesh Kumar Pathak
29	2001320409002	ASHISH KUMAR	3A	Ashish Kumar
30	2001320409003	KULDEEP SHARMA	3A	Kuldeep Sharma
31	2001320409005	MD DILDAR	3A	MD Dildar



Greater Noida Institute of Technology  
 Greater Noida  
 Director

Signature of HOD  
 Dr. Iqbal Ahmed Khan



Greater Noida Institute of Technology  
 Greater Noida  
 HOD



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

**CSE AIML & IoT  
Department**

**NOTICE**

GNIOT/AIML&IoT/2021/05

Date: 18/10/2021

AIML & IoT Department is organizing a “Strategy for Start ups” activity in Room number 106 on 18<sup>th</sup> October 2021. The objective of this event is to aware the students about subtle Strategic information of startups.

Venue: Room 106, GNIOT, Greater Noida

Date & Time: 18<sup>th</sup> October 2021 at 2:00 PM to 4:00 PM

Event Coordinator: Ms. Pooja Sharma


Resources required: Projector, faculty members (02) and related items


  
Dr. Amit Agarwal  
(HoD, CSE-AIML & IoT)



The department of AI - ML & IoT organised strategy for start up program with the students to inspire them for start up. Such little steps taken together by the college and students will surely help in fostering strong mental and social health. Students were enlightened with the minute details of business and motivate to inculcate the key features for being an entrepreneur.


In the drive student's of AIML & IoT Department was the participants and got benefitted under the guidance of HoD Prof. Dr. Amit Kumar Aggarwal along with the faculties of the department.


 **GNIOT**  
GROUP OF INSTITUTIONS  
Approved by AICTE, New Delhi and Affiliated to GGS Indraprastha University, Delhi




Department CSE AIML & IoT  
is organizing


# STRATEGY FOR START-UPS

 18 Oct 2021  
02: 00 PM to 04: 00 PM  
Venue : Class Room No 106

  
Prof. (Dr.) Dhiraj Gupta  
Director - GNIOT

  
Dr. Amit Agarwal  
HoD - CSE - AIML

Greater Noida, Delhi/NCR  
Toll Free No : 18002746969  
Web : [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in)

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# REPORT

## START UP *On*

"BE A DOER, NOT JUST A DREAMER "

18 OCT 2021

*Organized by*

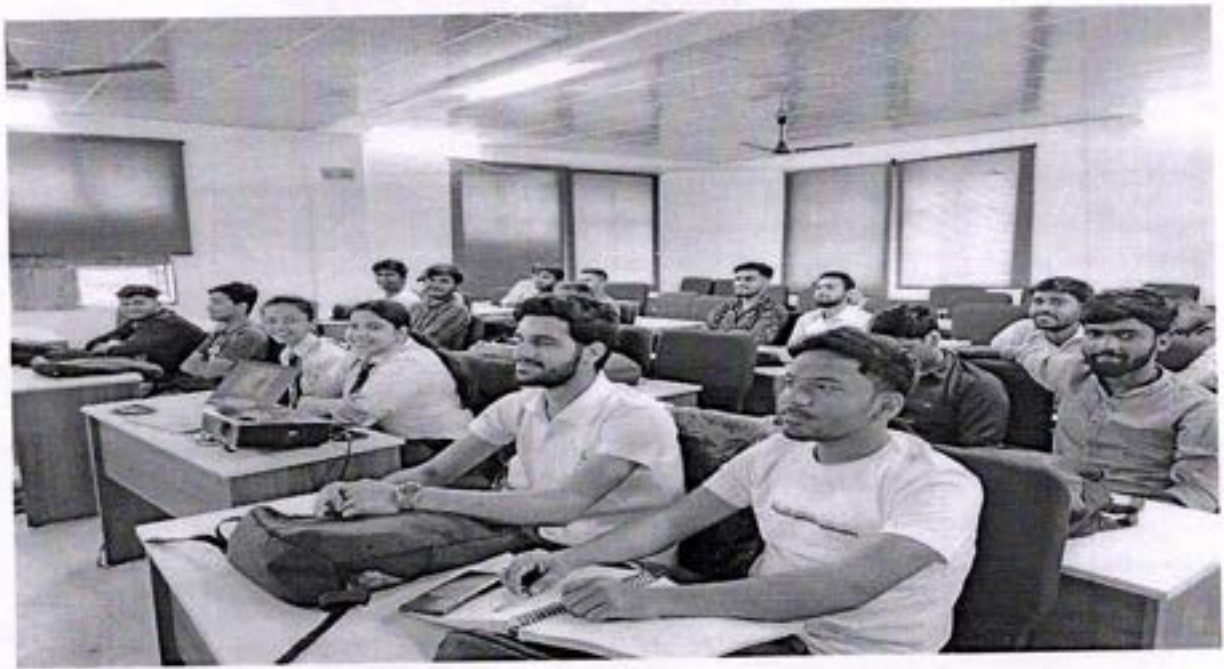


***Computer Science Engineering  
Artificial Intelligence & Machine Learning  
Department***









**CONCLUSION:** Strategic planning for start up was the motto of the event and students got to know the outline of start ups. They are able to know about the product privacy and flow chart on process of designing a product to marketing the product.



GREATER NOIDA INSTITUTE OF TECHNOLOGY				
CSE-AI/ML& IoT Department (Session 2021-22)				
Event Name- Startups Date: 18.10.2021				
S.No.	I.D. No.	UPTU R No	Student Name	Attendance
1	200290	2001321530001	AAKASH SRIVASTAVA	A
2	2100280	2101321539001	AATIF WAQUAR QUASMI	A
3	200755	2001321530002	ABHIJEET KUMAR	P
4	200167	2001321530003	ABHISHEK KUMAR	P
5	200101	2001321530004	ADIT VATS	P
6	200059	2001321530007	ADITYA KUMAR SINGH	A
7	200229	2001321530006	ADITYA KUMAR SINGH	P
8	200880	2001321530005	ADITYA KUMAR SINGH	P
9	200122	2001321530009	AJAY KUMAR	P
10	200235	2001321530010	ANAS SIDDIQUI	A
11	200252	2001321530011	ANIRUDDHA	P
12	200707	2001321530012	ANKITA PRAKASH	P
13	200849	2001321530013	ANUP UPADHYAY	A
14	200258	2001321530014	ANUPAMA KUMARI	A
15	200730	2001321530015	ANURAG CHAUDHARY	P
16	200209	2001321530016	ANURAG KUMAR PATEL	A
17	2100309	2101321539002	ARPIT	A
18	200232	2001321530018	ARUN KUMAR SHARMA	P
19	200118	2001321530019	ARUNJAY KUMAR	P
20	200138	2001321530020	ASHUTOSH NARAYAN	A
21	200213	2001321530021	BHUVNESH SHARMA	A
22	200179	2001321530022	DEEP KUMAR RANA	A
23	200796	2001320130036	DEEPAK CHAUDHARY	P
24	200247	2001321530023	DEEPAK KUMAR SINGH	A
25	200295	2001321530024	DIVYANSHU SHARMA	P
26	200346	2001321530025	DOLLY	P
27	200222	2001321530026	DUSHYANT SHARMA	P
28	2100171	2101321539003	FIROZ HUSAIN	A
29	200715	2001321530027	GAURAV PATEL	P
30	200815	2001321530028	HARSH SINGH	A
31	2100310	2101321539004	HARSHIT DAWRA	P
32	200609	2001321530029	JAYKISHAN SAHANI	A
33	200680	2001321530030	JITENDRA PRATAP SINGH	P
34	2100324	2101321539005	MAAZ ASDAQUE	P
35	200675	2001321530032	MADHAVI CHAUDHARY	P
36	2100416	2101321539006	MD SHAHBAZ	P



37	200245	2001321530034	MOHIT YADAV	A
38	200193	2001321530035	MUSKAN PANWAR	P
39	2100223	2101321539007	NIKUNJ GAUR	P
40	200105	2001321530036	PARTH SINGH	A
41	200195	2001321530038	PIYUSH SINGH	P
42	200688	2001321530039	PRAKHAR PANDEY	A
43	200259	2001321530040	PRANJAL TIGGA	A
44	200732	2001321530041	PRASHANT KAUSHIK	P
45	200207	2001321530042	PRAWAL MISHRA	A
46	200358	2001321550036	PUNEET GOYAL	P
47	200228	2001321530043	RAHUL KUMAR	A
48	200227	2001321530044	RAJNESH KUMAR	P
49	200248	2001321530045	RAJNISH GAUTAM	A
50	200351	2001321530046	RANJEET KUMAR	P
51	200820	2001321530047	RAVI KUMAR JHA	P
52	2100290	2101321539008	RAVI KUMAR RAY	P
53	200249	2001321530048	ROHAN SHARMA	A
54	200583	2001321530049	SACHIN SRIVASTAVA	P
55	200710	2001321530051	SATAKSHI DIXIT	A
56	200543	2001321530052	SAUMYA MISHRA	P
57	200125	2001321530053	SAURAV ANAND	A
58	200182	2001321530054	SAURAV RAWAT	P
59	2100187	2101321539009	SHADAB ALI	P
60	200204	2001321530055	SHIVAM LOHIYA	P
61	200109	2001321530056	SHIVAM SINHA	A
62	200284	2001321530057	SHLOK RAJ	P
63	2100959	2101321539010	SHUBH LODHI	A
64	200130	2001321530058	SHUBHAM SINGH BISHT	P
65	200470	2001321550052	SUNNY PATEL	A
66	200892	2001321530059	TANMAY RAJ	A
67	200146	2001321530060	TUSHAR SHARMA	P
68	200336	2001321550054	TUSHAR SINGH	A
69	200116	2001321530061	VIVEK KUMAR	P



GREATER NOIDA INSTITUTE OF TECHNOLOGY				
CSE-AI/ML& IoT Department (Session 2021-22)				
Event Name- Startups Date: 18.10.2021				
S.No.	I.D. No.	UPTU R No	Student Name	Attendance
1	200819	2001321550001	ADITYA RAJ	P
2	200791	2001321550002	AJAY SAINI	A
3	200783	2001321550003	AKASH KUMAR	P
4	200463	2001321550004	ALTAF REZA	A
5	200471	2001321550005	AMAN KUMAR SINGH	P
6	200739	2001321550006	AMAN PRATAP SINGH	A
7	200637	2001321550007	ANJALI RAI	P
8	200444	2001321550008	ANKIT SHAH	P
9	200743	2001321550009	ANKIT YADAV	P
10	200587	2001321550010	ANMOL KUMAR JHA	P
11	200641	2001321550011	ANUJ PRAKASH	A
12	200350	2001321550012	AYUSH ARUN	P
13	200863	2001321550013	CHIRAG YADAV	A
14	200628	2001321550014	DIVYANSHU SRIVASTAVA	P
15	200141	2001321550015	GAURAV SINGH	A
16	200375	2001321550016	HAMMAD ALAM	P
17	200545	2001320130041	HARSH	A
18	200289	2001321550017	HIMANSHU PRAYER	P
19	200626	2001321550018	JAYANT AGRAWAL	A
20	200563	2001321550020	KUNDAN KUMAR SINGH	P
21	200431	2001321550021	MADHAVI SHARMA	P
22	200414	2001321550022	MANAS KUMAR SRIVASTAVA	P
23	200440	2001321550024	MANISH SINGH TOMAR	P
24	200640	2001321550025	MAYANK MIHIR DAS	P
25	200883	2001321550028	MOHD WAZID	A
26	200148	2001321550029	MUZAMMIL ABEDIN	P
27	200636	2001321550030	NIMISHA MAURYA	A
28	200864	2001321550031	NITESH KUMAR	P
29	200298	2001321550032	PIYUSH UPRETY	P
30	200430	2001321550035	PRIYANSH JAIN	P
31	200503	2001321550037	PURSHOTTAM KUMAR MISHRA	P
32	200437	2001321550038	ROCHAK SHARMA	P
33	200379	2001321550039	ROHIT KUMAR MISHRA	P
34	200111	2001321550040	ROHIT SHARMA	P



35	200448	2001321550041	ROSHAN RAJ	P
36	200424	2001321550043	SACHIN KUMAR	A
37	200279	2001321550044	SAHIL KUMAR	A
38	200695	2001321550045	SATYENDRA KUMAR YADAV	P
39	200841	2001321550046	SHAMI GAFFAR	P
40	200197	2001321550047	SHIVAM	A
41	200217	2001321550048	SHIVAM BHARDWAJ	A
42	200161	2001321550049	SHRESHTHA GUPTA	P
43	200603	2001321550050	SHUBHAM KUMAR SINGH	A
44	200453	2001321550053	SWASTIKA MISHRA	P
45	200243	2001321550055	VIPIN KUMAR YADAV	A
46	2100694	2101321559001	VISHAL	P
47	200839	2001321550056	VISHAL PRATAP SINGH	P
48	200579	2001321550057	VIVEK SENGAR	P
49	200767	2001321550058	WASEEM AHMAD	A





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

**CSE AIML & IoT  
Department**

**NOTICE**

GNIOT/AIML&IoT/2021/06

Date: 25/10/2021


AIML & IoT Department is organizing a **“Intellectual Property Right”** activity in Room number 107 on 25<sup>th</sup> October 2021. The objective of this event is to acknowledge students regarding copy rights and patent .

Venue: Room 107, GNIOT, Greater Noida

Date & Time: 25 October 2021 at 2:00 PM to 4:00 PM

Event Coordinator: Ms. Pooja Sharma

Resources required: Projector, faculty members (02) and related items

  
Dr. Amit Agarwal  
(HoD, CSE-AIML & IoT)



# REPORT

## INTELLECTUAL PROPERTY RIGHTS

*On*

25 OCT 2021

*Organized by*



***Computer Science Engineering  
Artificial Intelligence & Machine Learning  
Department***



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Intellectual property is a category of property that includes intangible creations of the human intellect, and primarily encompasses copyrights, patents, and trademarks. It also includes other types of rights, such as trade secrets, publicity rights, moral rights, and rights against unfair competition. Artistic works like music and literature, as well as some discoveries, inventions, words, phrases, symbols, and designs can all be protected as intellectual property. The main purpose of intellectual property law is to encourage the creation of a wide variety of intellectual goods. Intellectual property rights refer to the general term for the assignment of property rights through patents, copyrights and trademarks. These property rights allow the holder to exercise a monopoly on the use of the item for a specified period.

In the Session students of AIML & IoT Department equipped themselves with the subtle information of IPR, the session was conducted under Hod of the Department Prof. Dr. Amit Kumar Aggarwal along with the faculties of the department.



Department CSE AIML & IoT  
is organizing

# Intellectual Property Rights



25 Oct 2021  
02: 00 PM to 04: 00 PM  
Venue : Class Room No 107



Prof. (Dr.) Dhiraj Gupta  
Director - GNIOT

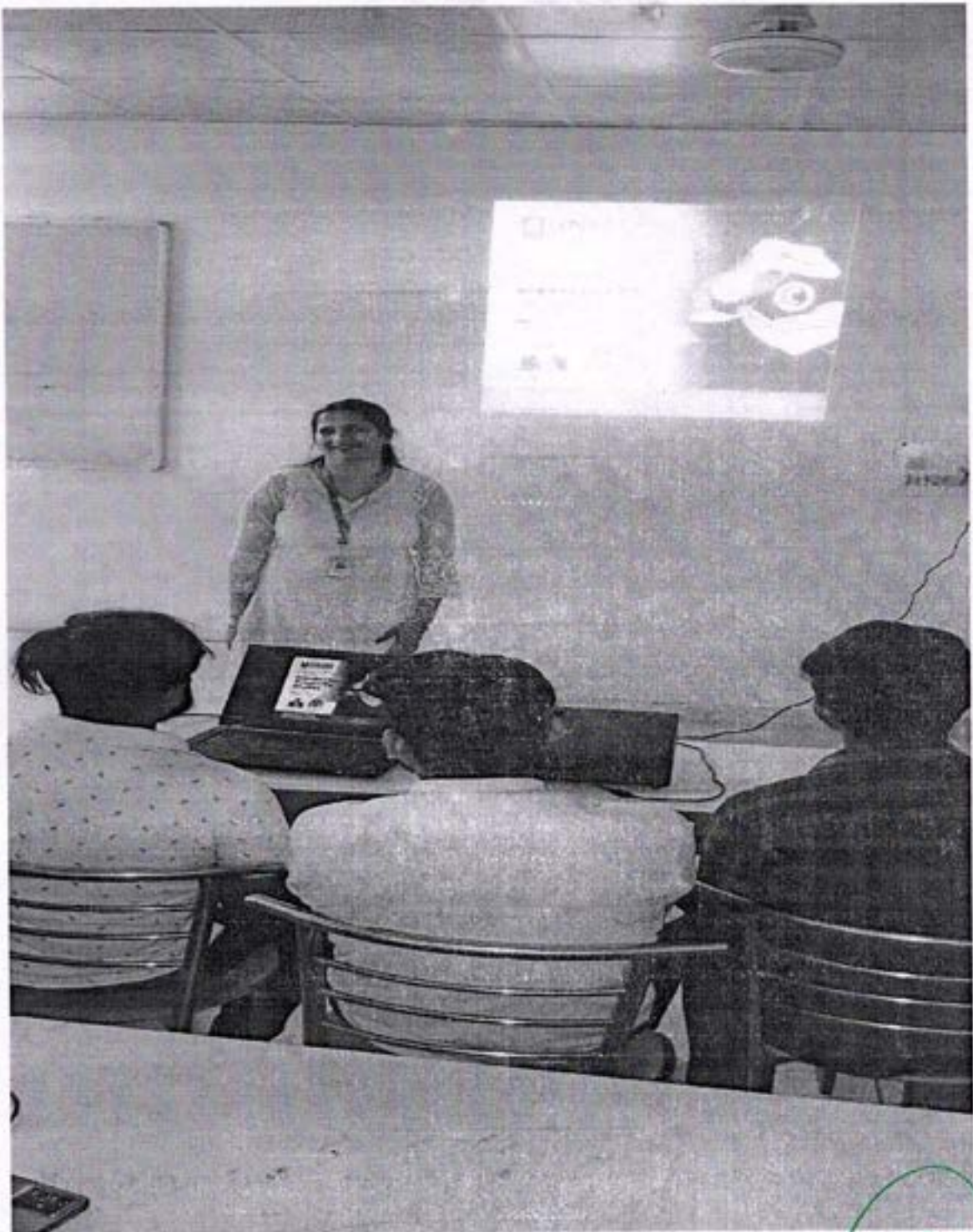


Dr. Amit Agarwal  
HoD - CSE - AIML

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*[Handwritten Signature]*  
Director  
Greater North Carolina Institute of Technology  
\* Greater Minds \* / / / / /



**CONCLUSION:** IPR as its name indicates students enlightened with the copyright issues and other right issues to protect the intellectuality of individual.



GREATER NOIDA INSTITUTE OF TECHNOLOGY				
CSE-AIML& IoT Department (Session 2021-22)				
Event Name- Intellectual Property Rights Date: 25.10.2021				
S.No.	I.D. No.	UPTU R No	Student Name	Attendance
1	200290	2001321530001	AAKASH SRIVASTAVA	P
2	2100280	2101321539001	AATIF WAQUAR QUASMI	P
3	200755	2001321530002	ABHIJEET KUMAR	A
4	200167	2001321530003	ABHISHEK KUMAR	P
5	200101	2001321530004	ADIT VATS	P
6	200059	2001321530007	ADITYA KUMAR SINGH	P
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8	200880	2001321530005	ADITYA KUMAR SINGH	A
9	200122	2001321530009	AJAY KUMAR	P
10	200235	2001321530010	ANAS SIDDIQUI	P
11	200252	2001321530011	ANIRUDDHA	P
12	200707	2001321530012	ANKITA PRAKASH	A
13	200849	2001321530013	ANUP UPADHYAY	P
14	200258	2001321530014	ANUPAMA KUMARI	P
15	200730	2001321530015	ANURAG CHAUDHARY	A
16	200209	2001321530016	ANURAG KUMAR PATEL	P
17	2100309	2101321539002	ARPIT	P
18	200232	2001321530018	ARUN KUMAR SHARMA	P
19	200118	2001321530019	ARUNJAY KUMAR	A
20	200138	2001321530020	ASHUTOSH NARAYAN	P
21	200213	2001321530021	BHUVNESH SHARMA	P
22	200179	2001321530022	DEEP KUMAR RANA	A
23	200796	2001320130036	DEEPAK CHAUDHARY	P
24	200247	2001321530023	DEEPAK KUMAR SINGH	A
25	200295	2001321530024	DIVYANSHU SHARMA	P
26	200346	2001321530025	DOLLY	P
27	200222	2001321530026	DUSHYANT SHARMA	A
28	2100171	2101321539003	FIROZ HUSAIN	A
29	200715	2001321530027	GAURAV PATEL	P
30	200815	2001321530028	HARSH SINGH	A
31	2100310	2101321539004	HARSHIT DAWRA	A
32	200609	2001321530029	JAYKISHAN SAHANI	P
33	200680	2001321530030	JITENDRA PRATAP SINGH	P
34	2100324	2101321539005	MAAZ ASDAQUE	A
35	200675	2001321530032	MADHAVI CHAUDHARY	P
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37	200245	2001321530034	MOHIT YADAV	P
38	200193	2001321530035	MUSKAN PANWAR	A
39	2100223	2101321539007	NIKUNJ GAUR	P
40	200105	2001321530036	PARTH SINGH	A
41	200195	2001321530038	PIYUSH SINGH	P
42	200688	2001321530039	PRAKHAR PANDEY	A
43	200259	2001321530040	PRANJAL TIGGA	P
44	200732	2001321530041	PRASHANT KAUSHIK	P
45	200207	2001321530042	PRAWAL MISHRA	P
46	200358	2001321550036	PUNEET GOYAL	P
47	200228	2001321530043	RAHUL KUMAR	P
48	200227	2001321530044	RAJNESH KUMAR	A
49	200248	2001321530045	RAJNISH GAUTAM	A
50	200351	2001321530046	RANJEET KUMAR	A
51	200820	2001321530047	RAVI KUMAR JHA	A
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57	200125	2001321530053	SAURAV ANAND	A
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59	2100187	2101321539009	SHADAB ALI	A
60	200204	2001321530055	SHIVAM LOHIYA	P
61	200109	2001321530056	SHIVAM SINHA	A
62	200284	2001321530057	SHLOK RAJ	P
63	2100959	2101321539010	SHUBH LODHI	P
64	200130	2001321530058	SHUBHAM SINGH BISHT	P
65	200470	2001321550052	SUNNY PATEL	P
66	200892	2001321530059	TANMAY RAJ	P
67	200146	2001321530060	TUSHAR SHARMA	A
68	200336	2001321550054	TUSHAR SINGH	A
69	200116	2001321530061	VIVEK KUMAR	A

Ankit

Director  
Greater Noida Institute of Technology  
Greater Noida

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14	200628	2001321550014	DIVYANSHU SRIVASTAVA	A
15	200141	2001321550015	GAURAV SINGH	P
16	200375	2001321550016	HAMMAD ALAM	A
17	200545	2001320130041	HARSH	P
18	200289	2001321550017	HIMANSHU PRAYER	P
19	200826	2001321550018	JAYANT AGRAWAL	P
20	200563	2001321550020	KUNDAN KUMAR SINGH	A
21	200431	2001321550021	MADHAVI SHARMA	P
22	200414	2001321550022	MANAS KUMAR SRIVASTAVA	P
23	200440	2001321550024	MANISH SINGH TOMAR	A
24	200840	2001321550025	MAYANK MIHIR DAS	P
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27	200836	2001321550030	NIMISHA MAURYA	P
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29	200298	2001321550032	PIYUSH UPRETY	P
30	200430	2001321550035	PRIYANSH JAIN	P
31	200503	2001321550037	PURSHOTTAM KUMAR MISHRA	P
32	200437	2001321550038	ROCHAK SHARMA	P
33	200379	2001321550039	ROHIT KUMAR MISHRA	A
34	200111	2001321550040	ROHIT SHARMA	P



35	200448	2001321550041	ROSHAN RAJ	P
36	200424	2001321550043	SACHIN KUMAR	A
37	200279	2001321550044	SAHIL KUMAR	A
38	200695	2001321550045	SATYENDRA KUMAR YADAV	P
39	200841	2001321550046	SHAMI GAFFAR	P
40	200197	2001321550047	SHIVAM	P
41	200217	2001321550048	SHIVAM BHARDWAJ	A
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43	200603	2001321550050	SHUBHAM KUMAR SINGH	A
44	200453	2001321550053	SWASTIKA MISHRA	P
45	200243	2001321550055	VIPIN KUMAR YADAV	A
46	2100694	2101321559001	VISHAL	P
47	200839	2001321550056	VISHAL PRATAP SINGH	P
48	200579	2001321550057	VIVEK SENGAR	P
49	200767	2001321550058	WASEEM AHMAD	A





ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

CSE AIML & IoT  
Department

NOTICE

GNIOT/AIML&IoT/2022/0017

Date: 25/05/2022

AIML & IoT Department is organizing a “**Expert Talk**” activity in class room number 106 on 25<sup>th</sup> May 2022. The objective of this event is to acknowledge students for innovation and related activities.

Venue: Class Room 106, GNIOT, Greater Noida

Date & Time: 25<sup>th</sup> May 2022 at 2:00 PM to 3:00 PM

Event Coordinator: Ms. Pooja Sharma

Resources required: Projector, faculty members (02) and related items

Dr. Amit Agarwal  
(HoD, CSE-AIML & IoT)





# **REPORT**

## **EXPERT TALK**

*On*

**"ALWAYS LISTEN TO EXPERTS THEY'LL TELL YOU WHAT CAN'T BE DONE, AND WHY. THEN DO IT."**

**25 MAY 2022**

*Organized by*



***Computer Science Engineering  
Artificial Intelligence & Machine Learning  
Department***



Department of CSE-IOT and CSE-AIML in association with Institution's innovations council (IIC) organized a workshop on Entrepreneurship and Innovation as Career Opportunity for the 2nd-year students on 25 May 2022.

Dr Mishra , Dean R & D, gave a talk for the students and also explained the various steps for opening the start ups and motivated the students for being an entrepreneur. Dr. Mishra discussed several case studies of startups, their ideas, product development and establishment of the startups among students.

Around 100 students participated in the event, which also created a tech environment in the department.

We would like to extend a heartfelt thanks to GNIOT Management and Dr. Dhiraj Gupta, Director, for giving us the opportunity to organize this event. We're also thankful to Dr. Dr. Amit Agarwal (HOD-CSE-AIML) for their valuable inputs and necessary support.



Department CSE AIML & IoT  
is organizing

# EXPERT TALK



25 May, 2022  
02: 00 PM - 03:00 PM  
Venue : Class Room 106



Prof. (Dr.) Dhiraj Gupta  
Director - GNIOT



Dr. Anuranjan Misra  
Dean - GNIOT

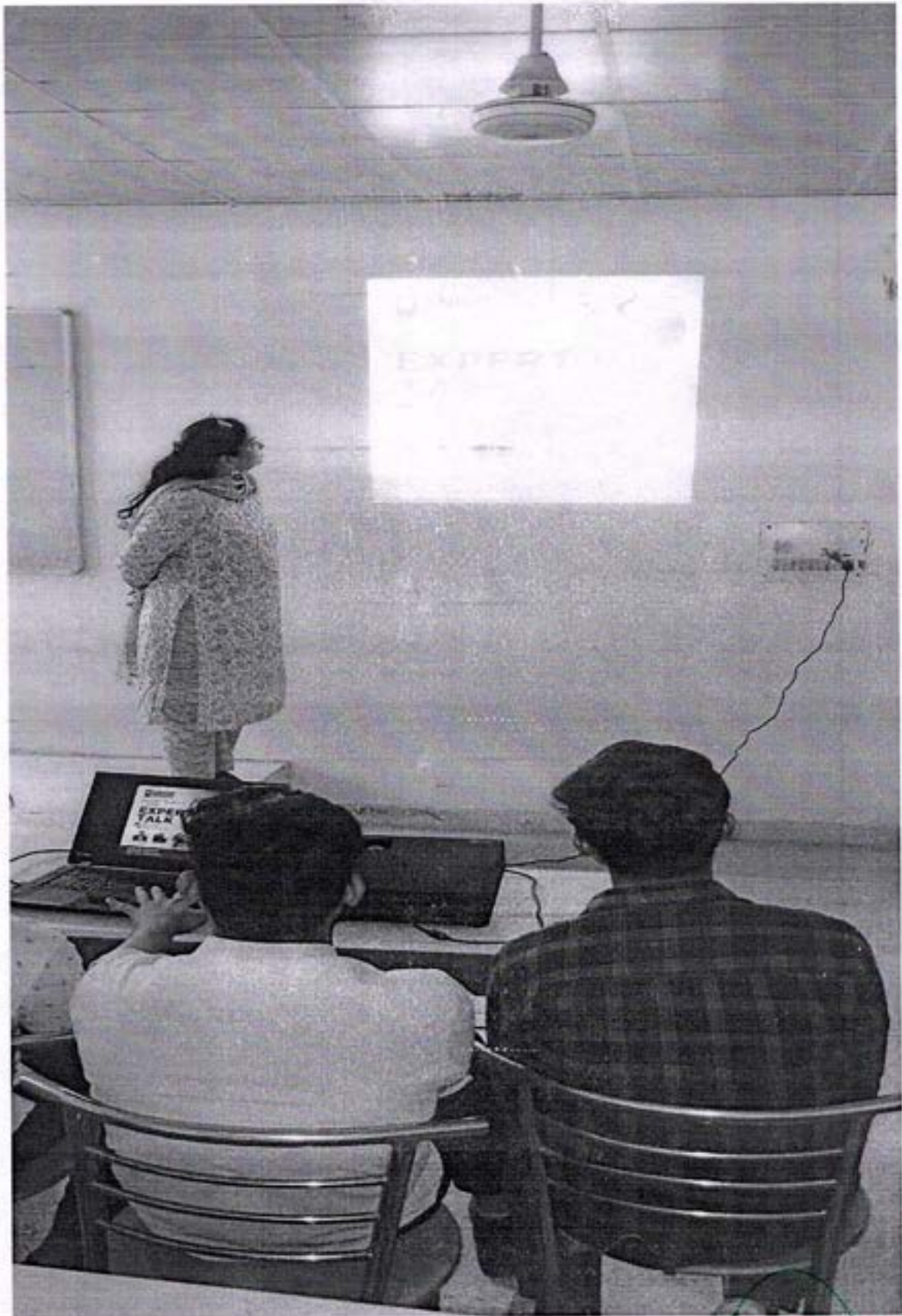


Dr. Amit Agarwal  
HoD - CSE - AIML

Greater Noida, Delhi/NCR  
Toll Free No : 18002746969  
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**CONCLUSION:** Students enlightened with the knowledge of expert in the domain of Innovation. Students acquired the basic fundamental knowledge of innovation.



GREATER NOIDA INSTITUTE OF TECHNOLOGY				
CSE-AIML& IoT Department (Session 2021-22)				
Event Name- Expert Talk Date: 25.05.2022				
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13	200849	2001321530013	ANUP UPADHYAY	P
14	200258	2001321530014	ANUPAMA KUMARI	A
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10	200587	2001321550010	ANMOL KUMAR JHA	A
11	200641	2001321550011	ANUJ PRAKASH	P
12	200350	2001321550012	AYUSH ARUN	P
13	200863	2001321550013	CHIRAG YADAV	A
14	200628	2001321550014	DIVYANSHU SRIVSATAVA	A
15	200141	2001321550015	GAURAV SINGH	P
16	200375	2001321550016	HAMMAD ALAM	P
17	200545	2001320130041	HARSH	A
18	200289	2001321550017	HIMANSHU PRAYER	P
19	200826	2001321550018	JAYANT AGRAWAL	A
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21	200431	2001321550021	MADHAVI SHARMA	P
22	200414	2001321550022	MANAS KUMAR SRIVASTAVA	A
23	200440	2001321550024	MANISH SINGH TOMAR	P
24	200840	2001321550025	MAYANK MIHIR DAS	P
25	200883	2001321550028	MOHD WAZID	A
26	200148	2001321550029	MUZAMMIL ABEDIN	P
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GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

**CSE AIML & IoT  
Department**

**NOTICE**

GNIOT/AIML&IoT/2022/018

Date: 26/05/2022


AIML & IoT Department is organizing a “**Industrial Visit**” activity at Bennett University, Greater Noida on 26<sup>th</sup> May 2022. The objective of this event is to provide exposure of Advanced Artificial Intelligence Labs.

Venue: Bennett University, Greater Noida

Date & Time: 26<sup>th</sup> May 2022 at 10:00 AM

Event Coordinator: Ms. Pooja Sharma

Resources required: Transport facility to carry the students, faculty members (02) and related items

  
Dr. Amit Agarwal  
(HoD, CSE-AIML & IoT)



# REPORT

## INDUSTRIAL VISIT

*On*

"Knowledge is of no value unless you put it into practice"

26 MAY 2022

*Organized by*



***Computer Science Engineering  
Artificial Intelligence & Machine Learning  
Department***



Department of CS- IoT & AIML has successfully conducted Industrial Visit to "Bennett University, Greater Noida" for the students of IoT and AIML under the guidance of our visionary Director Prof. Dr. Dhiraj Gupta sir and HOD Dr. Amit Agarwal with other faculty members.

Bennett University (BU) is the first private educational Institute in the country to get an AI (artificial intelligence) supercomputer; it has signed an MoU with American tech firm NVIDIA to set up a Centre of Excellence for Artificial Intelligence.

For students, witnessing a supercomputer and gaining knowledge about its function was like a once in a lifetime experience.

Department's effort is to create relevance of classroom education to the real world and enable students to map their possible future selves.



Department CSE AIML & IoT  
is organizing

# Industrial Visit



26 May 2022

10: 00 AM onwards

Venue : Bennett University, Gr. Noida



Prof. (Dr.) Dhiraj Gupta  
Director - GNIOT



Dr. Amit Agarwal  
HoD - CSE - AIML

Greater Noida, Delhi/NCR  
Toll Free No : 18002746969  
Web : [www.gniotgroup.edu.in](http://www.gniotgroup.edu.in)

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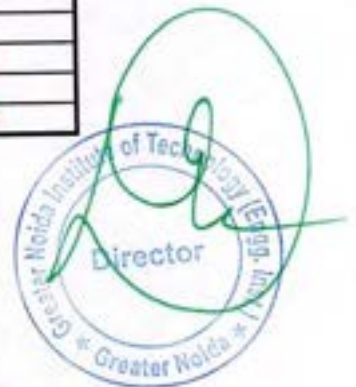
**CONCLUSION:** During the industrial visit students explore the infrastructure and managerial resources. Student Attend the AI session over Robots and High speed Drones . Also attend the server session which in totality help students to the core technology of AI and its future perspectives.



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38	200193	2001321530035	MUSKAN PANWAR	P
39	2100223	2101321539007	NIKUNJ GAUR	A
40	200105	2001321530036	PARTH SINGH	P
41	200195	2001321530038	PIYUSH SINGH	A
42	200688	2001321530039	PRAKHAR PANDEY	A
43	200259	2001321530040	PRANJAL TIGGA	P
44	200732	2001321530041	PRASHANT KAUSHIK	P
45	200207	2001321530042	PRAWAL MISHRA	P
46	200358	2001321550036	PUNEET GOYAL	P
47	200228	2001321530043	RAHUL KUMAR	P
48	200227	2001321530044	RAJNESH KUMAR	A
49	200248	2001321530045	RAJNISH GAUTAM	A
50	200351	2001321530046	RANJEET KUMAR	A
51	200820	2001321530047	RAVI KUMAR JHA	A
52	2100290	2101321539008	RAVI KUMAR RAY	P
53	200249	2001321530048	ROHAN SHARMA	P
54	200583	2001321530049	SACHIN SRIVASTAVA	A
55	200710	2001321530051	SATAKSHI DIXIT	P
56	200543	2001321530052	SAUMYA MISHRA	A
57	200125	2001321530053	SAURAV ANAND	P
58	200182	2001321530054	SAURAV RAWAT	A
59	2100187	2101321539009	SHADAB ALI	P
60	200204	2001321530055	SHIVAM LOHIYA	P
61	200109	2001321530056	SHIVAM SINHA	P
62	200284	2001321530057	SHLOK RAJ	A
63	2100959	2101321539010	SHUBH LODHI	P
64	200130	2001321530058	SHUBHAM SINGH BISHT	P
65	200470	2001321550052	SUNNY PATEL	A
66	200892	2001321530059	TANMAY RAJ	P
67	200146	2001321530060	TUSHAR SHARMA	P
68	200336	2001321550054	TUSHAR SINGH	P
69	200116	2001321530061	VIVEK KUMAR	A



GREATER NOIDA INSTITUTE OF TECHNOLOGY				
CSE-AIML& IoT Department (Session 2021-22)				
Event Name- Industrial Visit Date: 26.05.2022				
S.No.	I.D. No.	UPTU R No	Student Name	Attendance
1	200819	2001321550001	ADITYA RAJ	P
2	200791	2001321550002	AJAY SAINI	A
3	200783	2001321550003	AKASH KUMAR	P
4	200463	2001321550004	ALTAF REZA	A
5	200471	2001321550005	AMAN KUMAR SINGH	P
6	200739	2001321550006	AMAN PRATAP SINGH	P
7	200637	2001321550007	ANJALI RAI	P
8	200444	2001321550008	ANKIT SHAH	A
9	200743	2001321550009	ANKIT YADAV	P
10	200587	2001321550010	ANMOL KUMAR JHA	A
11	200641	2001321550011	ANUJ PRAKASH	P
12	200350	2001321550012	AYUSH ARUN	A
13	200863	2001321550013	CHIRAG YADAV	A
14	200628	2001321550014	DIVYANSHU SRIVASTAVA	A
15	200141	2001321550015	GAURAV SINGH	P
16	200375	2001321550016	HAMMAD ALAM	A
17	200545	2001320130041	HARSH	A
18	200289	2001321550017	HIMANSHU PRAYER	P
19	200826	2001321550018	JAYANT AGRAWAL	P
20	200563	2001321550020	KUNDAN KUMAR SINGH	A
21	200431	2001321550021	MADHAVI SHARMA	P
22	200414	2001321550022	MANAS KUMAR SRIVASTAVA	A
23	200440	2001321550024	MANISH SINGH TOMAR	A
24	200840	2001321550025	MAYANK MIHIR DAS	P
25	200883	2001321550028	MOHD WAZID	A
26	200148	2001321550029	MUZAMMIL ABEDIN	P
27	200836	2001321550030	NIMISHA MAURYA	P
28	200864	2001321550031	NITESH KUMAR	A
29	200298	2001321550032	PIYUSH UPRETY	P
30	200430	2001321550035	PRIYANSH JAIN	P
31	200503	2001321550037	PURSHOTTAM KUMAR MISHRA	P
32	200437	2001321550038	ROCHAK SHARMA	P
33	200379	2001321550039	ROHIT KUMAR MISHRA	P
34	200111	2001321550040	ROHIT SHARMA	P



35	200448	2001321550041	ROSHAN RAJ	P
36	200424	2001321550043	SACHIN KUMAR	A
37	200279	2001321550044	SAHIL KUMAR	A
38	200695	2001321550045	SATYENDRA KUMAR YADAV	P
39	200841	2001321550046	SHAMI GAFFAR	P
40	200197	2001321550047	SHIVAM	A
41	200217	2001321550048	SHIVAM BHARDWAJ	A
42	200161	2001321550049	SHRESHTHA GUPTA	P
43	200603	2001321550050	SHUBHAM KUMAR SINGH	A
44	200453	2001321550053	SWASTIKA MISHRA	P
45	200243	2001321550055	VIPIK KUMAR YADAV	P
46	2100694	2101321559001	VISHAL	P
47	200839	2001321550056	VISHAL PRATAP SINGH	A
48	200579	2001321550057	VIVEK SENGAR	P
49	200767	2001321550058	WASEEM AHMAD	A





# GATE classes



ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

Date: 06/07/2021

**Civil Engineering Department**

**Circular**

This is to inform all students that GATE classes are being conducted by the Civil Engineering Department according to the standard syllabus of GATE as per time table on working Saturday (Syllabus under current semester and previous semesters) Civil Engineering students are hereby informed that In-House GATE coaching will start from 17/07/2021. Kindly register your name to the departmental coordinator Mr. Anuj Sharma.

GATE scores are being used by several Indian public sector undertakings for recruiting graduate engineers' entry-level positions. It is one of the most important competitive examinations in India.

Note: Time-table is displayed on notice board.

*for* 

**Mr. Rajesh Kumar Sharma**  
HOD  
C.E DEPTT

*for*  
IQAC-Coordinator  
Greater Noida Institute of Technology  
(Engineering Institute)  
Greater Noida



**Department of Electronics and Communication Engineering  
GATE Classes (Module)**

Section -1	Engineering Mathematics	15 Hours
Section -2	Engineering Mechanics	13 Hours
Section -3	Solid Mechanics	13 Hours
Section -4	Strength of materials	13 Hours
Section -5	Structural Engineering	13 Hours
Section -6	Environmental Engineering	13 Hours
Section -7	Transportation Engineering	13 Hours
Section -8	Water Resources Engineering	13 Hours
Section -9	Concrete Structures	13 Hours
Section -10	Geotechnical Engineering	13 Hours
Section -11	Foundation Engineering	13 Hours
Section -12	Aptitude (APT)	15 Hours
<b>Total</b>		<b>160 hours</b>

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Greater Noida



## DETAILED SYLLABUS

### Section 1: Engineering Mathematics

Linear Algebra: Matrix Algebra, Systems of linear equations, Eigenvalues, Eigenvectors.

Calculus: Mean value theorems, Theorems of integral calculus, Evaluation of definite and improper integrals, Partial Derivatives, Maxima and minima, Multiple integrals, Fourier series, Vector identities, Directional derivatives, Line integral, Surface integral, Volume integral, Stokes's theorem, Gauss's theorem, Divergence theorem, Green's theorem.

Differential equations: First order equations (linear and nonlinear), Higher order linear differential equations with constant coefficients, Method of variation of parameters, Cauchy's equation, Euler's equation, Initial and boundary value problems, Partial Differential Equations, Method of separation of variables.

Complex variables: Analytic functions, Cauchy's integral theorem, Cauchy's integral formula, Taylor series, Laurent series, Residue theorem, Solution integrals.

Probability and Statistics: Sampling theorems, Conditional probability, Mean, Median, Mode, Standard Deviation, Random variables, Discrete and Continuous distributions, Poisson distribution, Normal distribution, Binomial distribution, Correlation analysis, Regression analysis.

### • Section 2: Structural Engineering:

- **Engineering Mechanics:** System of forces, free-body diagrams, equilibrium equations; Internal forces in structures; Frictions and its applications; Centre of mass; Free Vibrations of undamped SDOF system.
- **Solid Mechanics:** Bending moment and shear force in statically determinate beams; Simple stress and strain relationships; Simple bending theory, flexural and shear stresses, shear centre; Uniform torsion, Transformation of stress; buckling of column, combined and direct bending stresses.
- **Structural Analysis:** Statically determinate and indeterminate structures by force/energy methods; Method of superposition; Analysis of trusses, arches, beams, cables and frames;
- **Displacement methods:** Slope deflection and moment distribution methods; Influence lines; Stiffness and flexibility methods of structural analysis.
- **Construction Materials and Management:** Construction Materials: Structural Steel – Composition, material properties and behaviour; Concrete – Constituents, mix design, short-term and long-term properties.
- Construction Management: Types of construction projects; Project planning and network analysis – PERT and CPM; Cost estimation.
- **Concrete Structures:** Working stress and Limit state design concepts; Design of beams, slabs, columns; Bond and development length; Prestressed concrete beams.
- **Steel Structures:** Working stress and Limit state design concepts; Design of tension and compression members, beams and beam- columns, column bases; Connections – simple and eccentric, beam-column connections, plate girders and trusses; Concept of plastic analysis – beams and frames.

### Section 3: Geotechnical Engineering

- **Soil Mechanics:** Three-phase system and phase relationships, index properties; Unified and Indian standard soil classification system; Permeability – one dimensional flow, Seepage through soils – two – dimensional flow, flow nets, uplift pressure, piping, capillarity, seepage force; Principle of effective stress and quicksand condition; Compaction of soils; One- dimensional consolidation, time rate of consolidation; Shear

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Strength, Mohr's circle, effective and total shear strength parameters, Stress-Strain characteristics of clays and sand; Stress paths.

- **Foundation Engineering:** Sub-surface investigations – Drilling bore holes, sampling, plate load test, standard penetration and cone penetration tests; Earth pressure theories – Rankine and Coulomb; Stability of slopes – Finite and infinite slopes, Bishop's method; Stress distribution in soils – Boussinesq's theory; Pressure bulbs, Shallow foundations – Terzaghi's and Meyerhoff's bearing capacity theories, effect of water table; Combined footing and raft foundation; Contact pressure; Settlement analysis in sands and clays; Deep foundations – dynamic and static formulae, Axial load capacity of piles in sands and clays, pile load test, pile under lateral loading, pile group efficiency, negative skin friction.

#### Section 4: Water Resources Engineering

- **Fluid Mechanics:** Properties of fluids, fluid statics; Continuity, momentum and energy equations and their applications; Potential flow, Laminar and turbulent flow; Flow in pipes, pipe networks; Concept of boundary layer and its growth; Concept of lift and drag.
- **Hydraulics:** Forces on immersed bodies; Flow measurement in channels and pipes; Dimensional analysis and hydraulic similitude; Channel Hydraulics – Energy-depth relationships, specific energy, critical flow, hydraulic jump, uniform flow, gradually varied flow and water surface profiles.
- **Hydrology:** Hydrologic cycle, precipitation, evaporation, evapo-transpiration, watershed, infiltration, unit hydrographs, hydrograph analysis, reservoir capacity, flood estimation and routing, surface run-off models, groundwater hydrology – steady state well hydraulics and aquifers; Application of Darcy's Law.
- **Irrigation:** Types of irrigation systems and methods; Crop water requirements – Duty, delta, evapo-transpiration; Gravity Dams and Spillways; Lined and unlined canals, Design of weirs on permeable foundation; cross drainage structures.

#### Section 5: Environmental Engineering

- **Water and Waste Water Quality and Treatment:** Basics of water quality standards – Physical, chemical and biological parameters; Water quality index; Unit processes and operations; Water requirement; Water distribution system; Drinking water treatment.
- Sewerage system design, quantity of domestic wastewater, primary and secondary treatment. Effluent discharge standards; Sludge disposal; Reuse of treated sewage for different applications.
- **Air Pollution:** Types of pollutants, their sources and impacts, air pollution control, air quality standards, Air quality Index and limits.
- **Municipal Solid Wastes:** Characteristics, generation, collection and transportation of solid wastes, engineered systems for solid waste management (reuse/ recycle, energy recovery, treatment and disposal).



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### Transportation Engineering:

- **Transportation Infrastructure:** Geometric design of highways – cross-sectional elements, sight distances, horizontal and vertical alignments.
- Geometric design of railway Track – Speed and Cant,
- Concept of airport runway length, calculations and corrections; taxiway and exit taxiway design.
- **Highway Pavements:** Highway materials – desirable properties and tests; Desirable properties of bituminous paving mixes; Design factors for flexible and rigid pavements; Design of flexible and rigid pavement using IRC codes.
- **Traffic Engineering:** Traffic studies on flow and speed, peak hour factor, accident study, statistical analysis of traffic data; Microscopic and macroscopic parameters of traffic flow, fundamental relationships; Traffic signs; Signal design by Webster's method; Types of intersections; Highway capacity.

### Section 7: Geomatics Engineering

- Principles of surveying; Errors and their adjustment; Maps – scale, coordinate system; Distance and angle measurement – Levelling and trigonometric levelling; Traversing and triangulation survey; Total station; Horizontal and vertical curves.
- Photogrammetry and Remote Sensing – Scale, flying height; Basics of remote sensing and GIS.

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**CIVIL ENGINEERING (Code-CE)  
Session (2021-22)**

**Gate-2022 (Time Table)**

w.e.f: 17/07/2021

S.N O	DATE/TIME	9:15-10:5	10:55-12:35	12:35-1:35	1:35-3:15	3:15-4:55
1	17 JULY 2021	EMC	SoM	<b>BREAK</b>	TE	EM
2	31 JULY 2021	SoM	TE		SM	APT
3	07 AUG 2021	TE	EMC		SoM	EM
4	14 AUG 2021	SM	TE		SE	APT
5	21 AUG 2021	SM	EMC		EMC	EM
6	28 AUG 2021	SoM	TE		SM	APT
7	04 SEPT 2021	EMC	TE		SoM	EM
8	11 SEPT 2021	SM	SE		Env	APT
9	18 SEPT 2021	SoM	SM		SE	EM
10	25 SEPT 2021	EMC	SE		Env	APT
11	9 OCT 2021	SE	Env		WRE	EM
12	16 OCT 2021	Env	SE		FE	APT
13	23 OCT 2021	Env	WRE		FE	EM
14	30 OCT 2021	WRE	CoS		GT	APT
15	13 NOV 2021	CoS	WRE		GT	EM
16	20 NOV 2021	WRE	CoS		GT	APT
17	27 NOV 2021	CoS	FE		WRE	EM
18	04 DEC 2021	GT	FE		Env	APT
19	11 DEC 2021	GT	FE		CoS	EM
20	18 DEC 2021	GT	FE		CoS	APT

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### Subject allotted to faculty members


	Subjects	Faculty
1	Engineering mathematics (EM)	Mr. Sandeep Gahlot
2	Engineering Mechanics (EMC)	Mr. Anuj Kumar Sharma
3	Solid Mechanics(SM)	Mr. Saurav Yadav
4	Strength of materials(SoM)	Mr. Saurav Yadav
5	Structural Engineering(SE)	Ms.Shreeja Kacker
6	Environmental Engineering(Env)	Mr. Anuj Kumar Sharma
7	Transportation Engineering(TE)	Syed. Tabish Kouadri
8	Water Resources Engineering(WRE)	Mr. Sushant Kumar
9	Concrete Structures(CoS)	Ms.Shreeja Kacker
10	Geotechnical Engineering(GT)	Ms. Taranpreet Kaur
11	Foundation Engineering(FE)	Ms. Taranpreet Kaur
12	Aptitude (APT)	

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SL NO	STUDENT ID	ROLL NO	NAME	BATCH
1	190123	1901320000042	SACHIN KUMAR	2022-2023
2	190210	1901320000032	OM KUMAR OM	2022-2023
3	190361	1901320000022	JAYVIND KUMAR YADAV	2022-2023
4	190386	1901320000001	AAREEZ NASEEM	2022-2023
5	190419	1901320000044	SANKET SAROWER	2022-2023
6	190441	1901320000009	ANKITA RAWAT	2022-2023
7	190444	1901320000018	FAISAL AHMAD	2022-2023
8	190450	1901320000030	MOHD TALIB	2022-2023
9	190661	1901320000037	RAMASHANKAR KUMAR	2022-2023
10	200157	2001320009016	MOHD. ASHAR KHAN	2022-2023
11	200403	2001320009027	VISHAL SINGH	2022-2023
12	200510	2001320009015	MOHD SAMAD	2022-2023
13	200560	2001320009001	ABHISHEK	2022-2023
14	200410	2001320009014	MOHAMMAD SAMAR	2022-2023
15	200461	2001320009017	MOHSIN SARFARAZ	2022-2023
16	200462	2001320009013	MD FAIZAN SHAMSHI	2022-2023
17	190830	1901320000026	MD. SADIQUE IQBAL	2022-2023
18	190536	1901320000048	SHIVANSHU SINGH PAL	2022-2023
19	190550	1901320000031	MRITYUNJAY MISHRA	2022-2023
20	200784	2001320009007	CHHOTE LAL YADAV	2022-2023
21	200792	2001320009005	AMIT KUMAR SONI	2022-2023
22	200822	2001320009011	HRITIK SRIVASTAV	2022-2023
23	200888	2001320009009	DIPTANU DAS	2022-2023

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SL NO	STUDENT ID	ROLL NO	NAME	BATCH
1	200843	2001320009021	RAJAK ANSARI	2021-2022
2	190466	1901320000012	ASHHAR NEYAZ	2021-2022
3	200766	2001320009018	MUSHRRAF ALI	2021-2022
4	200647	2001320009008	DEEPANSHU GARG	2021-2022
5	200632	2001320009010	HONEY SHARMA	2021-2022
6	190709	1901320000002	ABHAY KUMAR	2021-2022
7	190066	1901320000023	KRISHNA KUMAR	2021-2022
8	190710	1901320000016	DHANANJAY YADAV	2021-2022
9	190130	1901320000020	HASAN SAHREYAR	2021-2022
10	190794	1901320000021	HIMANSHU KUMAR	2021-2022
11	200584	2001320009006	BABAR AHMAD SAIFI	2021-2022
12	190514	1901320000051	SUNMOON KR	2021-2022
13	200410	2001320009014	MOHAMMAD SAMAR	2021-2022
14	190037	1901320000025	MANISH KUMAR	2021-2022
15	190027	1901320000050	SUMIT	2021-2022
16	200575	2001320009023	SHAHWEZ SAIFI	2021-2022
17	190777	1901320000036	RAHUL KASHYAP	2021-2022
18	190521	1901320000007	AKHILESH KUMAR	2021-2022
19	190019	1901320000041	SACHIN GAUTAM	2021-2022
20	190025	1901320000047	SHIVAM RAJ	2021-2022
21	190156	1901320000045	SHAKSHI KUMARI	2021-2022
22	190179	1901320000008	AMRESH KUMAR SAH	2021-2022
23	190262	1901320000046	SHAYBAN AKHTAR	2021-2022
24	190287	1901320000049	SHREYASH SINGH	2021-2022
25	190321	1901320000013	ASHUTOSH KUMAR	2021-2022
26	190324	1901320000011	ARUSHI SINGH	2021-2022
27	190056	1901320000043	SALMAN ALI KHAN	2021-2022
28	190065	1901320000038	RAVI RAMAN	2021-2022
29	190075	1901320000010	ANUBHAV BHATI	2021-2022
30	190084	1901320000028	MD SERAJ SIDDIQUEE	2021-2022
31	190097	1901320000029	MD SHAQUIB	2021-2022
32	190115	1901320000014	ASHWANI NEEM	2021-2022



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GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

MECHANICAL ENGINEERING DEPARTMENT

Ref. GNIOT/ME/2021-22/ODD/St/11

Date: 05/07/2021

Circular

All students are hereby informed that the Department of Mechanical Engineering is going to schedule the In-House GATE preparation coaching classes from 19/07/2021, according to the GATE syllabus. The classes will be conducted on Saturday only. All students of 4<sup>th</sup> year are required register to the departmental coordinator Mr. S.Q. Hussain.

GATE scores are being used by several Indian public sector undertakings for recruiting graduate engineers entry-level positions. It is one of the most important competitive examinations in India.

Note: Time-table is displayed on notice board.

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Greater Noida Institute of Technology  
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Dr. A.M. Dubey  
HOD  
ME DEPT.

  
Director  
Greater Noida Institute of Technology (Engg. Institute)  
Greater Noida

**MECHANICAL ENGINEERING DEPARTMENT****GATE Classes (Module)**

Section -1	Engineering Mathematics	5 Hours
Section -2	Fluid Mechanics	5 Hours
Section -3	Thermodynamics	5 Hours
Section -4	Heat Transfer	5 Hours
Section -5	Engineering Materials	5 Hours
Section -6	Casting	5 Hours
Section -7	Forming and Joining Process	5 Hours
Section -8	Machining and Machine Tool Operations	5 Hours
Section -9	Metrology and Inspection	5 Hours
Section -10	Operations Research & CIM	5 Hours
<b>Total</b>		<b>50 hours</b>

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### DETAILED SYLLABUS

**Section 1: Engineering Mathematics**

Linear Algebra: Matrix Algebra, Systems of linear equations, Eigenvalues, Eigenvectors.

Calculus: Mean value theorems, Theorems of integral calculus, Evaluation of definite and improper integrals, Partial Derivatives, Maxima and minima, Multiple integrals, Fourier series, Vector identities, Directional derivatives, Line integral, Surface integral, Volume integral, Stokes's theorem, Gauss's theorem, Divergence theorem, Green's theorem.

Differential equations: First order equations (linear and nonlinear), Higher order linear differential equations with constant coefficients, Method of variation of parameters, Cauchy's equation, Euler's equation, Initial and boundary value problems, Partial Differential Equations, Method of separation of variables.

Complex variables: Analytic functions, Cauchy's integral theorem, Cauchy's integral formula, Taylor series, Laurent series, Residue theorem, Solution integrals.

Probability and Statistics: Sampling theorems, Conditional probability, Mean, Median, Mode, Standard Deviation, Random variables, Discrete and Continuous distributions, Poisson distribution, Normal distribution, Binomial distribution, Correlation analysis, Regression analysis.

**Section 2: Fluid Mechanics:** Fluid properties; fluid statics, forces on submerged bodies, stability of floating bodies; control-volume analysis of mass, momentum and energy; fluid acceleration, differential equations of continuity and momentum; Bernoulli's equation; dimensional analysis; viscous flow of incompressible fluids, boundary layer, elementary turbulent flow, flow through pipes, head losses in pipes, bends and fittings; basics of compressible fluid flow

**Section 3: Thermodynamics:** Thermodynamic systems and processes; properties of pure substances, behavior of ideal and real gases; zeroth and first laws of thermodynamics, calculation of work and heat in various processes; second law of thermodynamics; thermodynamic property charts and tables, availability and irreversibility; thermodynamic relations.

**Section 4: Heat-Transfer:** Modes of heat transfer; one dimensional heat conduction, resistance concept and electrical analogy, heat transfer through fins; unsteady heat conduction, lumped parameter system, Heisler's charts; thermal boundary layer, dimensionless parameters in free and forced convective heat transfer, heat transfer correlations for flow over flat plates and through pipes, effect of turbulence; heat exchanger performance, LMTD and NTU methods, radioactive heat transfer, Stefan-Boltzmann law, Wien's displacement law, black and grey surfaces, view factors, radiation network analysis

**Section 5: Engineering Materials:** Structure and properties of engineering materials, phase diagrams, heat treatment, stress-strain diagrams for engineering materials.

**Section 6: Casting:** Different types of castings, design of patterns, moulds and cores, solidification and cooling; riser and gating design

**Section 7: Forming and Joining Processes:** Plastic deformation and yield criteria, fundamentals of hot and cold working processes; load estimation for bulk (forging, rolling, extrusion, drawing) and sheet (shearing, deep drawing, bending) metal forming processes; principles of powder metallurgy, Principles of welding, brazing, soldering and adhesive bonding.





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**Section 8: Machining and Machine Tool Operations:** Mechanics of machining, basic machine tools; single and multi-point cutting tools, tool geometry and materials, tool life and wear; economics of machining; principles of non-traditional machining processes; principles of work holding, jigs and fixtures; abrasive machining processes; NC/CNC machines and CNC programming.

**Section 9: Metrology and Inspection:** Limits, fits and tolerances; linear and angular measurements; comparators; interferometry; form and finish measurement; alignment and testing methods; tolerance analysis in manufacturing and assembly; concepts of coordinate-measuring machine (CMM).

**Section 10: Computer Integrated Manufacturing:** Basic concepts of CAD/CAM and their integration tools; additive manufacturing.

**Operations Research:** Linear programming, simplex method, transportation, assignment, network flow models, simple queuing models, PERT and CPM.



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GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)

MECHANICAL ENGINEERING DEPARTMENT  
GATE-2021-22  
(Time Table)

w.e.f: 17/07/2021

DATE/TIME	9:15-10:55	10:55-12:35	12:35-1:35	1:35-3:15	3:15-4:55
17 JULY 2021	EM	FM	TD	HT	EM
31 JULY 2021	CT	FJ	MMTO	MI	OR&CIM
07 AUG 2021	EM	FM	TD	HT	EM
14 AUG 2021	CT	FJ	MMTO	MI	OR&CIM
21 AUG 2021	EM	FM	TD	HT	EM
28 AUG 2021	CT	FJ	MMTO	MI	OR&CIM
04 SEPT 2021	EM	FM	TD	HT	EM
11 SEPT 2021	CT	FJ	MMTO	MI	OR&CIM
18 SEPT 2021	EM	FM	TD	HT	EM
25 SEPT 2021	CT	FJ	MMTO	MI	OR&CIM
02 OCT 2021	EM	FM	TD	HT	EM
16 OCT 2021	CT	FJ	MMTO	MI	OR&CIM
23 OCT 2021	EM	FM	TD	HT	EM
30 OCT 2021	CT	FJ	MMTO	MI	OR&CIM
13 NOV 2021	EM	FM	TD	HT	EM
20 NOV 2021	CT	FJ	MMTO	MI	OR&CIM
27 NOV 2021	EM	FM	TD	HT	EM
04 DEC 2021	CT	FJ	MMTO	MI	OR&CIM
11 DEC 2021	EM	FM	TD	HT	EM
18 DEC 2021	CT	FJ	MMTO	MI	OR&CIM
01 JAN 2022	EM	FM	TD	HT	EM
08 JAN 2022	CT	FJ	MMTO	MI	OR&CIM
15 JAN 2022	EM	FM	TD	HT	EM
22 JAN 2022	CT	FJ	MMTO	MI	OR&CIM
29 JAN 2022	EM	FM	TD	HT	EM

Sr. No	Subjects	Faculty
1	Engineering Mathematics (EM)	Mr. Shikha Srivastava
2	Fluid Mechanics	Mr. Trinath Mahala
3	Thermodynamics	Mr. Sandeep Patidar
4	Heat Transfer	Mr. S Q Hussain
5	Engineering Materials	Mr. Rajeev Kumar
6	Casting	Dr. Iqbal Ahmed Khan
7	Forming and Joining Process	Mr. Prabhakar
8	Machining and Machine Tool Operations	Mr. Gopendra Bhatti
9	Metrology and Inspection	Mr. Anuj Dixit
10	Operations Research & CIM	Mr. Gopendra Bhatti



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S.No.	AICTE Enrollment No	Student Name	BATCH
1	1813240001	ABDULLAH ANSARI	2021-22
2	1813240002	ABDULLAH HUSSAIN	2021-22
3	1813240003	ABHISHEK SINGH	2021-22
4	1813240004	ABHISHEK KUMAR PRIYADARSHI	2021-22
5	1813240005	ADITYA VERMA	2021-22
6	1813240006	AJAY SINGH	2021-22
7	1813240007	AJAZ KHAN	2021-22
8	1813240008	ALOK CHAUHAN	2021-22
9	1813240009	AMIT SHARMA	2021-22
10	1813240010	ANAND SAURABH	2021-22
11	1813240011	ANAND VEER VIKRAM	2021-22
12	1813240012	ANUBHAV DHAMA	2021-22
13	1813240014	ARUN HARIJAN	2021-22
14	1813240015	ARVIND KUMAR GUPTA	2021-22
15	1813240017	ASHISH SHAKYA	2021-22
16	1813240020	DEEPANKAR PANDEY	2021-22
17	1813240021	FAISAL ZAFAR	2021-22
18	1813240023	HANAN ANSARI	2021-22
19	1813240024	HARSHDEEP SRIVASTAVA	2021-22
20	1813240025	HIMANSHU SHUKLA	2021-22
21	1813240026	KARTIK SINGH	2021-22
22	1813240027	KULDEEP KUMAR	2021-22
23	1813240028	KUSH	2021-22
24	1813240029	MD MERAJ ALAM	2021-22
25	1813240030	MD SAHIL	2021-22
26	1813240031	MD SAIF	2021-22
27	1813240032	MOHAMMAD DANISH	2021-22
28	1813240035	MOHD. JAMAL	2021-22
29	1813240036	NIKHIL VERMA	2021-22
30	1813240038	PANKAJ KUMAR	2021-22
31	1813240039	RAHUL YADAV	2021-22
32	1813240040	RAJ PRATAP SINGH	2021-22
33	1813240041	RAJARSHEE FOUZDAR	2021-22
34	1813240042	REHAN ALAM	2021-22
35	1813240043	SABIR ALAM	2021-22
36	1813240046	SAURAV KUMAR	2021-22
37	1813240047	SHUBHAM KUMAR	2021-22

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38	1813240048	SHUBHAM MISHRA	2021-22
39	1813240050	SUNNY SINGH	2021-22
40	1813240051	UTTAM PANWAR	2021-22
41	1813240052	VICKY	2021-22
42	1813240053	VINEET FULARA	2021-22
43	1813240054	VISHAL	2021-22
44	1901320409001	AJAY KUMAR	2021-22
45	1901320409002	AMMAD AHMAD	2021-22
46	1901320409003	ARSHAD KARIM	2021-22
47	1901320409004	ARYANSH MOTLA	2021-22
48	1901320409005	HEMANT SINGH	2021-22
49	1901320409006	MD ASLAM	2021-22
50	1901320409007	MD INTAKHAB ALAM	2021-22
51	1901320409008	MD SHAHOOD ALAM	2021-22
52	1901320409009	MD HELAL AHSAN	2021-22
53	1901320409011	SHIVAM RANA	2021-22
54	1901320409012	VIKESH KUMAR	2021-22

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## Mechanical Engineering (ME, Set-1)

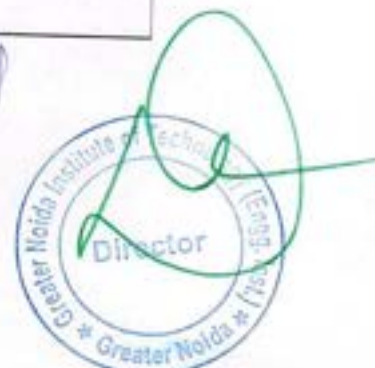
General Aptitude (GA)

Q.1 – Q.5 Multiple Choice Question (MCQ), carry ONE mark each (for each wrong answer: - 1/3).

Q.1	Consider the following sentences: (i) After his surgery, Raja hardly could walk. (ii) After his surgery, Raja could barely walk. (iii) After his surgery, Raja barely could walk. (iv) After his surgery, Raja could hardly walk. Which of the above sentences are grammatically CORRECT?
(A)	(i) and (ii)
(B)	(i) and (iii)
(C)	(iii) and (iv)
(D)	(ii) and (iv)

Q.2	Ms. X came out of a building through its front door to find her shadow due to the morning sun falling to her right side with the building to her back. From this, it can be inferred that building is facing _____
(A)	North
(B)	East
(C)	West
(D)	South

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## Mechanical Engineering (ME, Set-1)

Q.3	<div style="text-align: center;"> </div> <p>In the above figure, O is the center of the circle and, M and N lie on the circle.</p> <p>The area of the right triangle MON is <math>50 \text{ cm}^2</math>.</p> <p>What is the area of the circle in <math>\text{cm}^2</math>?</p>
(A)	$2\pi$
(B)	$50\pi$
(C)	$75\pi$
(D)	$100\pi$

Q.4	<p>If</p> <ul style="list-style-type: none"> <li>"<math>\oplus</math>" means "-",</li> <li>"<math>\otimes</math>" means "<math>\div</math>",</li> <li>"<math>\Delta</math>" means "+",</li> <li>"<math>\nabla</math>" means "<math>\times</math>".</li> </ul> <p>then, the value of the expression <math>\Delta 2 \oplus 3 \Delta ((4 \otimes 2) \nabla 4) =</math></p>
(A)	-1
(B)	-0.5
(C)	6
(D)	7





## Mechanical Engineering (ME, Set-1)

Q.5	<p>“The increased consumption of leafy vegetables in the recent months is a clear indication that the people in the state have begun to lead a healthy lifestyle”</p> <p>Which of the following can be logically inferred from the information presented in the above statement?</p>
(A)	The people in the state did not consume leafy vegetables earlier.
(B)	Consumption of leafy vegetables may not be the only indicator of healthy lifestyle.
(C)	Leading a healthy lifestyle is related to a diet with leafy vegetables.
(D)	The people in the state have increased awareness of health hazards causing by consumption of junk foods.



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## Mechanical Engineering (ME., Set-1)

Q. 6 – Q. 10 Multiple Choice Question (MCQ), carry TWO marks each (for each wrong answer: - 2/3).

Q.6	<p>Oxpeckers and rhinos manifest a symbiotic relationship in the wild. The oxpeckers warn the rhinos about approaching poachers, thus possibly saving the lives of the rhinos. Oxpeckers also feed on the parasitic ticks found on rhinos.</p> <p>In the symbiotic relationship described above, the primary benefits for oxpeckers and rhinos respectively are,</p>
(A)	Oxpeckers get a food source, rhinos have no benefit.
(B)	Oxpeckers save their habitat from poachers while the rhinos have no benefit
(C)	Oxpeckers get a food source, rhinos may be saved from the poachers.
(D)	Oxpeckers save the lives of poachers, rhinos save their own lives.


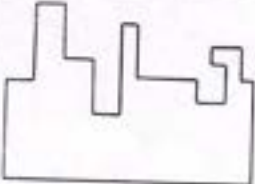
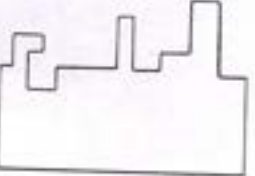
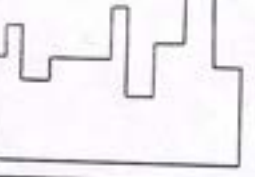



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Mechanical Engineering (ME, Set-1)

Q.7	 <p>A jigsaw puzzle has 2 pieces. One of the pieces is shown above. Which one of the given options for the missing piece when assembled will form a rectangle? The piece can be moved, rotated or flipped to assemble with the above piece.</p>
(A)	
(B)	
(C)	
(D)	



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Mechanical Engineering (ME, Set-1)

Q.8	<p>The number of hens, ducks and goats in farm P are 65, 91 and 169, respectively. The total number of hens, ducks and goats in a nearby farm Q is 416. The ratio of hens:ducks:goats in farm Q is 5:14:13. All the hens, ducks and goats are sent from farm Q to farm P.</p> <p>The new ratio of hens:ducks:goats in farm P is _____</p>
(A)	5:7:13
(B)	5:14:13
(C)	10:21:26
(D)	21:10:26

Q.9	<table border="1" style="display: inline-table; vertical-align: top;"> <thead> <tr> <th>Company</th> <th>Ratio</th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>3:2</td> </tr> <tr> <td>C2</td> <td>1:4</td> </tr> <tr> <td>C3</td> <td>5:3</td> </tr> <tr> <td>C4</td> <td>2:3</td> </tr> <tr> <td>C5</td> <td>9:1</td> </tr> <tr> <td>C6</td> <td>3:4</td> </tr> </tbody> </table> <p>The distribution of employees at the rank of executives, across different companies C1, C2, ..., C6 is presented in the chart given above. The ratio of executives with a management degree to those without a management degree in each of these companies is provided in the table above. The total number of executives across all companies is 10,000.</p> <p>The total number of management degree holders among the executives in companies C2 and C5 together is _____.</p>	Company	Ratio	C1	3:2	C2	1:4	C3	5:3	C4	2:3	C5	9:1	C6	3:4
Company	Ratio														
C1	3:2														
C2	1:4														
C3	5:3														
C4	2:3														
C5	9:1														
C6	3:4														
(A)	225														
(B)	600														
(C)	1900														
(D)	2500														



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## Mechanical Engineering (ME, Set-1)

Q. 10	Five persons P, Q, R, S and T are sitting in a row not necessarily in the same order. Q and R are separated by one person, and S should not be seated adjacent to Q. The number of distinct seating arrangements possible is:
(A)	4
(B)	8
(C)	10
(D)	16



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Mechanical Engineering (ME, Set-1)

Q.1 – Q.19 Multiple Choice Question (MCQ), carry ONE mark each (for each wrong answer: - 1/3).

Q.1	If $y(x)$ satisfies the differential equation $(\sin x) \frac{dy}{dx} + y \cos x = 1$ , subject to the condition $y(\pi/2) = \pi/2$ , then $y(\pi/6)$ is
(A)	0
(B)	$\frac{\pi}{6}$
(C)	$\frac{\pi}{3}$
(D)	$\frac{\pi}{2}$

Q.2	The value of $\lim_{x \rightarrow 0} \left( \frac{1 - \cos x}{x^2} \right)$ is
(A)	$\frac{1}{4}$
(B)	$\frac{1}{3}$
(C)	$\frac{1}{2}$
(D)	1



Q.3	<p>The Dirac-delta function <math>(\delta(t - t_0))</math> for <math>t, t_0 \in \mathbb{R}</math>, has the following property</p> $\int_a^b \varphi(t) \delta(t - t_0) dt = \begin{cases} \varphi(t_0) & a < t_0 < b \\ 0 & \text{otherwise} \end{cases}$ <p>The Laplace transform of the Dirac-delta function <math>\delta(t - a)</math> for <math>a &gt; 0</math>; <math>\mathcal{L}(\delta(t - a)) = F(s)</math> is</p>
(A)	0
(B)	$\infty$
(C)	$e^{sa}$
(D)	$e^{-sa}$

Q.4	<p>The ordinary differential equation <math>\frac{dy}{dt} = -\pi y</math> subject to an initial condition <math>y(0) = 1</math> is solved numerically using the following scheme:</p> $\frac{y(t_{n+1}) - y(t_n)}{h} = -\pi y(t_n)$ <p>where <math>h</math> is the time step, <math>t_n = nh</math>, and <math>n = 0, 1, 2, \dots</math>. This numerical scheme is stable for all values of <math>h</math> in the interval _____.</p>
(A)	$0 < h < \frac{2}{\pi}$
(B)	$0 < h < 1$
(C)	$0 < h < \frac{\pi}{2}$
(D)	for all $h > 0$



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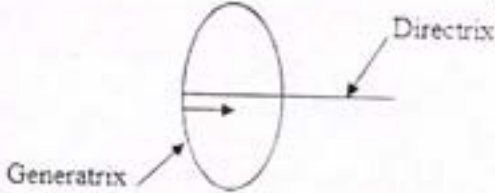
Mechanical Engineering (ME, Set-1)

Q.5	Consider a binomial random variable $X$ . If $X_1, X_2, \dots, X_n$ are independent and identically distributed samples from the distribution of $X$ with sum $Y = \sum_{i=1}^n X_i$ , then the distribution of $Y$ as $n \rightarrow \infty$ can be approximated as
(A)	Exponential
(B)	Bernoulli
(C)	Binomial
(D)	Normal

Q.6	<p>The loading and unloading response of a metal is shown in the figure. The elastic and plastic strains corresponding to 200 MPa stress, respectively, are</p>
(A)	0.01 and 0.01
(B)	0.02 and 0.01
(C)	0.01 and 0.02
(D)	0.02 and 0.02



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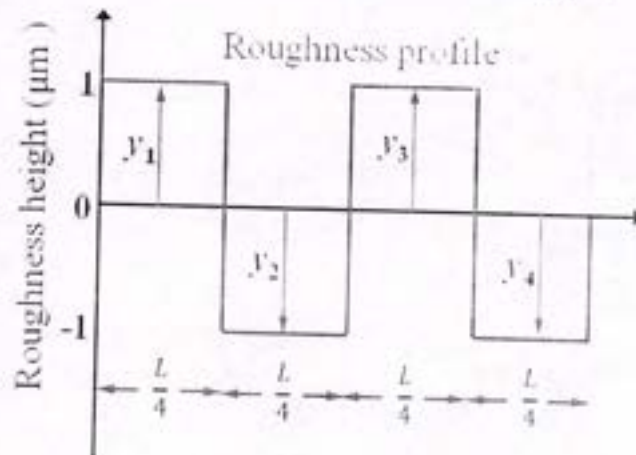
Q.7	In a machining operation, if a cutting tool traces the workpiece such that the directrix is perpendicular to the plane of the generatrix as shown in figure, the surface generated is 
(A)	plane
(B)	cylindrical
(C)	spherical
(D)	a surface of revolution

Q.8	The correct sequence of machining operations to be performed to finish a large diameter through hole is
(A)	drilling, boring, reaming
(B)	boring, drilling, reaming
(C)	drilling, reaming, boring
(D)	boring, reaming, drilling

Q.9	In modern CNC machine tools, the backlash has been eliminated by
(A)	preloaded ballscrews
(B)	rack and pinion
(C)	ratchet and pinion
(D)	slider crank mechanism



Q.10 Consider the surface roughness profile as shown in the figure.

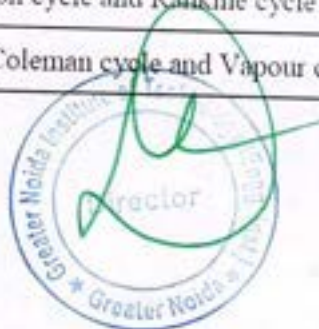


The center line average roughness ( $R_a$ , in  $\mu\text{m}$ ) of the measured length ( $L$ ) is

- (A) 0  
(B) 1  
(C) 2  
(D) 4

Q.11 In which of the following pairs of cycles, both cycles have at least one isothermal process?

- (A) Diesel cycle and Otto cycle  
(B) Carnot cycle and Stirling cycle  
(C) Brayton cycle and Rankine cycle  
(D) Bell-Coleman cycle and Vapour compression refrigeration cycle





## Mechanical Engineering (ME, Set-1)

Q.12	Superheated steam at 1500 kPa, has a specific volume of $2.75 \text{ m}^3/\text{kmol}$ and compressibility factor ( $Z$ ) of 0.95. The temperature of steam is _____ $^{\circ}\text{C}$ (round off to the nearest integer).
(A)	522
(B)	471
(C)	249
(D)	198

Q.13	A hot steel spherical ball is suddenly dipped into a low temperature oil bath. Which of the following dimensionless parameters are required to determine instantaneous center temperature of the ball using a Heisler chart?
(A)	Biot number and Fourier number
(B)	Reynolds number and Prandtl number
(C)	Biot number and Froude number
(D)	Nusselt number and Grashoff number

Q.14	An infinitely long pin fin, attached to an isothermal hot surface, transfers heat at a steady rate of $\dot{Q}_1$ to the ambient air. If the thermal conductivity of the fin material is doubled, while keeping everything else constant, the rate of steady-state heat transfer from the fin becomes $\dot{Q}_2$ . The ratio $\dot{Q}_2/\dot{Q}_1$ is
(A)	$\sqrt{2}$
(B)	2
(C)	$\frac{1}{\sqrt{2}}$
(D)	$\frac{1}{2}$





## Mechanical Engineering (ME, Set-1)

Q.15	The relative humidity of ambient air at 300 K is 50% with a partial pressure of water vapour equal to $p_v$ . The saturation pressure of water at 300 K is $p_{sat}$ . The correct relation for the air-water mixture is
(A)	$p_v = 0.5 p_{sat}$
(B)	$p_v = p_{sat}$
(C)	$p_v = 0.622 p_{sat}$
(D)	$p_v = 2 p_{sat}$

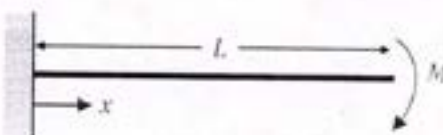
Q.16	Consider a reciprocating engine with crank radius $R$ and connecting rod of length $L$ . The secondary unbalance force for this case is equivalent to primary unbalance force due to a virtual crank of _____
(A)	radius $\frac{L^2}{4R}$ rotating at half the engine speed
(B)	radius $\frac{R}{4}$ rotating at half the engine speed
(C)	radius $\frac{R^2}{4L}$ rotating at twice the engine speed
(D)	radius $\frac{L}{2}$ rotating at twice the engine speed

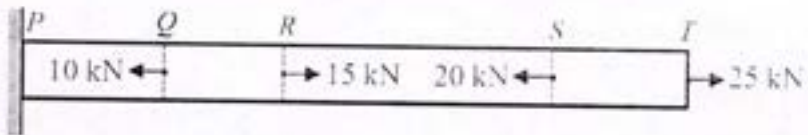
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## Mechanical Engineering (ME, Set-1)

Q.17	A cantilever beam of length, $L$ , and flexural rigidity, $EI$ , is subjected to an end moment, $M$ , as shown in the figure. The deflection of the beam at $x = \frac{L}{2}$ is 
(A)	$\frac{ML^2}{2EI}$
(B)	$\frac{ML^2}{4EI}$
(C)	$\frac{ML^2}{8EI}$
(D)	$\frac{ML^2}{16EI}$

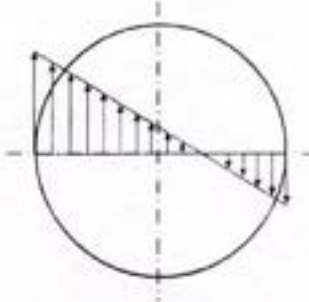
Q.18	A prismatic bar $PQRST$ is subjected to axial loads as shown in the figure. The segments having maximum and minimum axial stresses, respectively, are 
(A)	$QR$ and $PQ$
(B)	$ST$ and $PQ$
(C)	$QR$ and $RS$
(D)	$ST$ and $RS$







## Mechanical Engineering (ME, Set-1)

Q.19	Shear stress distribution on the cross-section of the coil wire in a helical compression spring is shown in the figure. This shear stress distribution represents  
(A)	direct shear stress in the coil wire cross-section
(B)	torsional shear stress in the coil wire cross-section
(C)	combined direct shear and torsional shear stress in the coil wire cross-section
(D)	combined direct shear and torsional shear stress along with the effect of stress concentration at inside edge of the coil wire cross-section



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## Mechanical Engineering (ME, Set-1)

Q.20 – Q.25 Numerical Answer Type (NAT), carry ONE mark each (no negative marks).

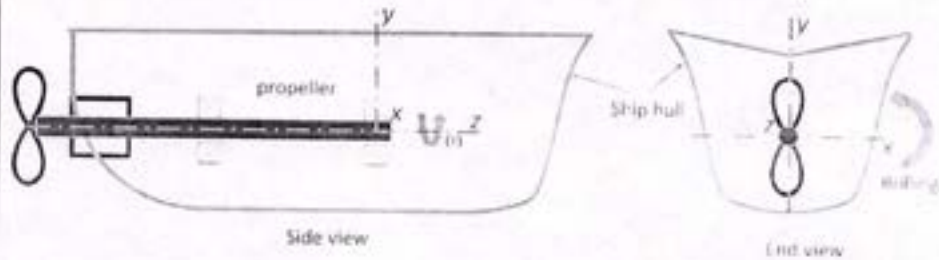
- Q.20 Robot Ltd. wishes to maintain enough safety stock during the lead time period between starting a new production run and its completion such that the probability of satisfying the customer demand during the lead time period is 95%. The lead time period is 5 days and daily customer demand can be assumed to follow the Gaussian (normal) distribution with mean 50 units and a standard deviation of 10 units. Using  $\Phi^{-1}(0.95) = 1.64$ , where  $\Phi$  represents the cumulative distribution function of the standard normal random variable, the amount of safety stock that must be maintained by Robot Ltd. to achieve this demand fulfillment probability for the lead time period is \_\_\_\_\_ units (round off to two decimal places).
- Q.21 A pressure measurement device fitted on the surface of a submarine, located at a depth  $H$  below the surface of an ocean, reads an absolute pressure of 4.2 MPa. The density of sea water is  $1050 \text{ kg/m}^3$ , the atmospheric pressure is 101 kPa, and the acceleration due to gravity is  $9.8 \text{ m/s}^2$ . The depth  $H$  is \_\_\_\_\_ m (round off to the nearest integer).
- Q.22 Consider fully developed, steady state incompressible laminar flow of a viscous fluid between two large parallel horizontal plates. The bottom plate is fixed and the top plate moves with a constant velocity of  $U = 4 \text{ m/s}$ . Separation between the plates is 5 mm. There is no pressure gradient in the direction of flow. The density of fluid is  $800 \text{ kg/m}^3$ , and the kinematic viscosity is  $1.25 \times 10^{-4} \text{ m}^2/\text{s}$ . The average shear stress in the fluid is \_\_\_\_\_ Pa (round off to the nearest integer).
- Q.23 A rigid insulated tank is initially evacuated. It is connected through a valve to a supply line that carries air at a constant pressure and temperature of 250 kPa and 400 K respectively. Now the valve is opened and air is allowed to flow into the tank until the pressure inside the tank reaches to 250 kPa at which point the valve is closed. Assume that the air behaves as a perfect gas with constant properties ( $c_p = 1.005 \text{ kJ/kg}\cdot\text{K}$ ,  $c_v = 0.718 \text{ kJ/kg}\cdot\text{K}$ ,  $R = 0.287 \text{ kJ/kg}\cdot\text{K}$ ). Final temperature of the air inside the tank is \_\_\_\_\_ K (round off to one decimal place).

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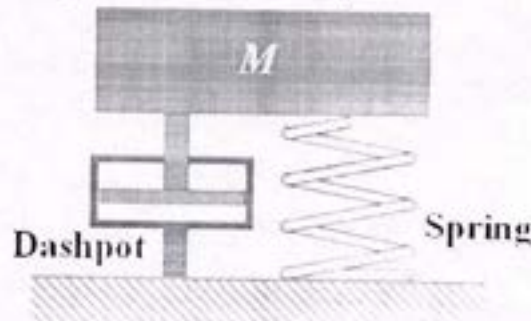


Mechanical Engineering (ME, Set-1)

Q.24 The figure shows an arrangement of a heavy propeller shaft in a ship. The combined polar mass moment of inertia of the propeller and the shaft is  $100 \text{ kg.m}^2$ . The propeller rotates at  $\omega = 12 \text{ rad/s}$ . The waves acting on the ship hull induces a rolling motion as shown in the figure with an angular velocity of  $5 \text{ rad/s}$ . The gyroscopic moment generated on the shaft due to the motion described is \_\_\_\_\_  $\text{N.m}$  (round off to the nearest integer).



Q.25 Consider a single degree of freedom system comprising a mass  $M$ , supported on a spring and a dashpot as shown in the figure.



If the amplitude of the free vibration response reduces from  $8 \text{ mm}$  to  $1.5 \text{ mm}$  in 3 cycles, the damping ratio of the system is \_\_\_\_\_ (round off to three decimal places).



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## Mechanical Engineering (ME, Set-1)

Q. 26 – Q. 34 Multiple Choice Question (MCQ), carry TWO mark each (for each wrong answer: - 2/3).

Q.26	Consider a vector $p$ in 2-dimensional space. Let its direction (counter-clockwise angle with the positive $x$ -axis) be $\theta$ . Let $p'$ be an eigenvector of a $2 \times 2$ matrix $A$ with corresponding eigenvalue $\lambda$ , $\lambda > 0$ . If we denote the magnitude of a vector $v$ by $\ v\ $ , identify the VALID statement regarding $p'$ , where $p' = Ap$ .
(A)	Direction of $p' = \lambda\theta$ , $\ p'\  = \ p\ $
(B)	Direction of $p' = \theta$ , $\ p'\  = \lambda\ p\ $
(C)	Direction of $p' = \lambda\theta$ , $\ p'\  = \lambda\ p\ $
(D)	Direction of $p' = \theta$ , $\ p'\  = \ p\ /\lambda$

Q.27	Let $C$ represent the unit circle centered at origin in the complex plane, and complex variable, $z = x + iy$ . The value of the contour integral $\oint_C \frac{\cosh 3z}{2z} dz$ (where integration is taken counter clockwise) is
(A)	0
(B)	2
(C)	$\pi i$
(D)	$2\pi i$



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## Mechanical Engineering (ME, Set-1)

Q.28 A set of jobs A, B, C, D, E, F, G, H arrive at time  $t = 0$  for processing on turning and grinding machines. Each job needs to be processed in sequence – first on the turning machine and second on the grinding machine, and the grinding must occur immediately after turning. The processing times of the jobs are given below.

Job	A	B	C	D	E	F	G	H
Turning (minutes)	2	4	8	9	7	6	5	10
Grinding (minutes)	6	1	3	7	9	5	2	4

If the makespan is to be minimized, then the optimal sequence in which these jobs must be processed on the turning and grinding machines is

(A) A-E-D-F-H-C-G-B  
 (B) A-D-E-F-H-C-G-B  
 (C) G-E-D-F-H-C-A-B  
 (D) B-G-C-H-F-D-E-A

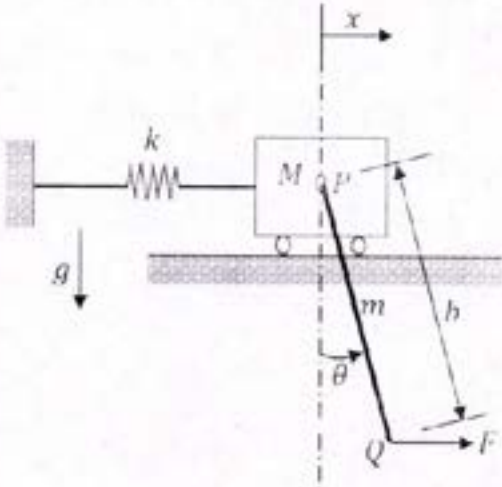
Q.29 The fundamental thermodynamic relation for a rubber band is given by  $dU = TdS + \tau dL$ , where  $T$  is the absolute temperature,  $S$  is the entropy,  $\tau$  is the tension in the rubber band, and  $L$  is the length of the rubber band. Which one of the following relations is CORRECT:

(A)  $\tau = \left(\frac{\partial U}{\partial S}\right)_L$   
 (B)  $\left(\frac{\partial T}{\partial L}\right)_S = \left(\frac{\partial \tau}{\partial S}\right)_L$   
 (C)  $\left(\frac{\partial T}{\partial S}\right)_L = \left(\frac{\partial \tau}{\partial L}\right)_S$   
 (D)  $T = \left(\frac{\partial U}{\partial S}\right)_\tau$





Mechanical Engineering (ME, Set-1)

<p>Q.30</p>	<p>Consider a two degree of freedom system as shown in the figure, where <math>PQ</math> is a rigid uniform rod of length, <math>b</math> and mass, <math>m</math>.</p>  <p>Assume that the spring deflects only horizontally and force <math>F</math> is applied horizontally at <math>Q</math>. For this system, the Lagrangian, <math>L</math> is</p>
<p>(A)</p>	$\frac{1}{2}(M + m)\dot{x}^2 + \frac{1}{6}mb^2\dot{\theta}^2 - \frac{1}{2}kx^2 + mg\frac{b}{2}\cos\theta$
<p>(B)</p>	$\frac{1}{2}(M + m)\dot{x}^2 + \frac{1}{2}mb\dot{x}\dot{\theta}\cos\theta + \frac{1}{6}mb^2\dot{\theta}^2 - \frac{1}{2}kx^2 + mg\frac{b}{2}\cos\theta$
<p>(C)</p>	$\frac{1}{2}M\dot{x}^2 + \frac{1}{2}mb\dot{x}\dot{\theta}\cos\theta + \frac{1}{6}mb^2\dot{\theta}^2 - \frac{1}{2}kx^2$
<p>(D)</p>	$\frac{1}{2}M\dot{x}^2 + \frac{1}{2}mb\dot{x}\dot{\theta}\cos\theta + \frac{1}{6}mb^2\dot{\theta}^2 - \frac{1}{2}kx^2 + mg\frac{b}{2}\cos\theta + Fb\sin\theta$



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## Mechanical Engineering (ME, Set-1)

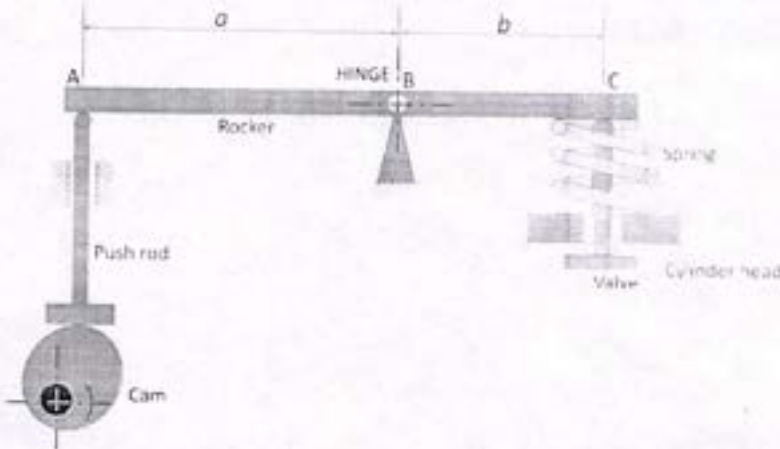
Q.31	A right solid circular cone standing on its base on a horizontal surface is of height $H$ and base radius $R$ . The cone is made of a material with specific weight $w$ and elastic modulus $E$ . The vertical deflection at the mid-height of the cone due to self-weight is given by
(A)	$\frac{wH^2}{8E}$
(B)	$\frac{wH^2}{6E}$
(C)	$\frac{wRH}{8E}$
(D)	$\frac{wRH}{6E}$



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## Mechanical Engineering (ME, Set-1)

Q.32	<p>A tappet valve mechanism in an IC engine comprises a rocker arm ABC that is hinged at B as shown in the figure. The rocker is assumed rigid and it oscillates about the hinge B. The mass moment of inertia of the rocker about B is <math>10^{-4} \text{ kg.m}^2</math>. The rocker arm dimensions are <math>a = 3.5 \text{ cm}</math> and <math>b = 2.5 \text{ cm}</math>. A pushrod pushes the rocker at location A, when moved vertically by a cam that rotates at <math>N \text{ rpm}</math>. The pushrod is assumed massless and has a stiffness of <math>15 \text{ N/mm}</math>. At the other end C, the rocker pushes a valve against a spring of stiffness <math>10 \text{ N/mm}</math>. The valve is assumed massless and rigid.</p>  <p>Resonance in the rocker system occurs when the cam shaft runs at a speed of _____ rpm (round off to the nearest integer).</p>
(A)	496
(B)	4739
(C)	790
(D)	2369



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## Mechanical Engineering (ME, Set-1)

Q.33	Customers arrive at a shop according to the Poisson distribution with a mean of 10 customers/hour. The manager notes that no customer arrives for the first 3 minutes after the shop opens. The probability that a customer arrives within the next 3 minutes is
(A)	0.39
(B)	0.86
(C)	0.50
(D)	0.61

Q.34	Let $f(x) = x^2 - 2x + 2$ be a continuous function defined on $x \in [1, 3]$ . The point $x$ at which the tangent of $f(x)$ becomes parallel to the straight line joining $f(1)$ and $f(3)$ is
(A)	0
(B)	1
(C)	2
(D)	3



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# GATE 2020

Graduate Aptitude Test in Engineering 2020

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## ME1: Mechanical Engineering

### GA - General Aptitude

Q1 - Q5 carry one mark each.

Q.No. 1 He is known for his unscrupulous ways. He always sheds \_\_\_\_\_ tears to deceive people.

- (A) fox's
- (B) crocodile's
- (C) crocodile
- (D) fox

Q.No. 2 Jofra Archer, the England fast bowler, is \_\_\_\_\_ than accurate.

- (A) more fast
- (B) faster
- (C) less fast
- (D) more faster

Q.No. 3 Select the word that fits the analogy:

Build : Building :: Grow : \_\_\_\_\_

- (A) Grown
- (B) Grew
- (C) Growth
- (D) Grewed

Q.No. 4 I do not think you know the case well enough to have opinions. Having said that, I agree with your other point.  
What does the phrase "having said that" mean in the given text?

- (A) as opposed to what I have said
- (B) despite what I have said
- (C) in addition to what I have said
- (D) contrary to what I have said

Q.No. 5 Define  $[x]$  as the greatest integer less than or equal to  $x$ , for each  $x \in (-\infty, \infty)$ . If  $y = [x]$ , then area under  $y$  for  $x \in [1, 4]$  is \_\_\_\_\_.

- (A) 1
- (B) 3
- (C) 4
- (D) 6

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Q6 - Q10 carry two marks each.

Q.No. 6 Crowd funding deals with mobilisation of funds for a project from a large number of people, who would be willing to invest smaller amounts through web-based platforms for the project.

Based on the above paragraph, which of the following is correct about crowd funding?

- (A) Funds raised through unwilling contributions on web-based platforms.
- (B) Funds raised through large contributions on web-based platforms.



- (C) Funds raised through coerced contributions on web-based platforms.  
 (D) Funds raised through voluntary contributions on web-based platforms.

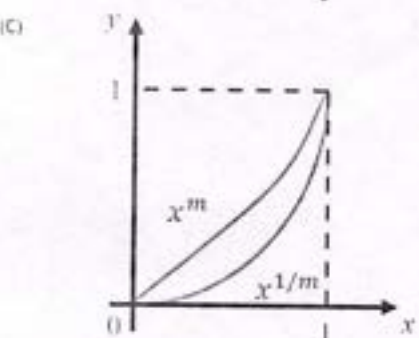
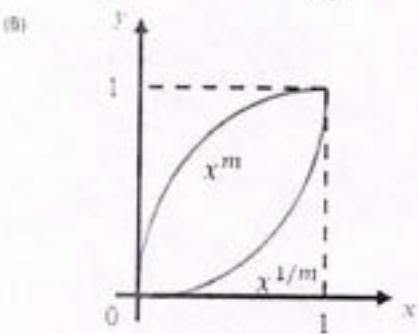
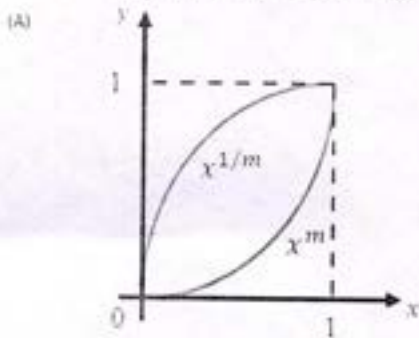
Q.No. 7 P, Q, R and S are to be uniquely coded using  $\alpha$  and  $\beta$ . If P is coded as  $\alpha\alpha$  and Q as  $\alpha\beta$ , then R and S, respectively, can be coded as \_\_\_\_\_.

- (A)  $\beta\alpha$  and  $\alpha\beta$   
 (B)  $\beta\beta$  and  $\alpha\alpha$   
 (C)  $\alpha\beta$  and  $\beta\beta$   
 (D)  $\beta\alpha$  and  $\beta\beta$

Q.No. 8 The sum of the first  $n$  terms in the sequence 8, 88, 888, 8888, ... is

- (A)  $\frac{81}{80}(10^n - 1) + \frac{9}{8}n$   
 (B)  $\frac{81}{80}(10^n - 1) - \frac{9}{8}n$   
 (C)  $\frac{80}{81}(10^n - 1) + \frac{8}{9}n$   
 (D)  $\frac{80}{81}(10^n - 1) - \frac{8}{9}n$

Q.No. 9 Select the graph that schematically represents BOTH  $y = x^m$  and  $y = x^{1/m}$  properly in the interval  $0 \leq x \leq 1$ , for integer values of  $m$ , where  $m > 1$ .

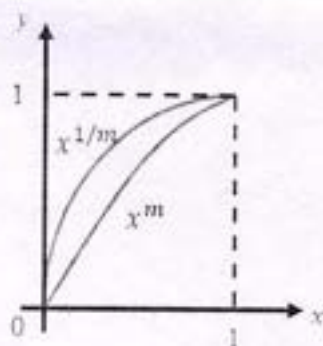


(D)

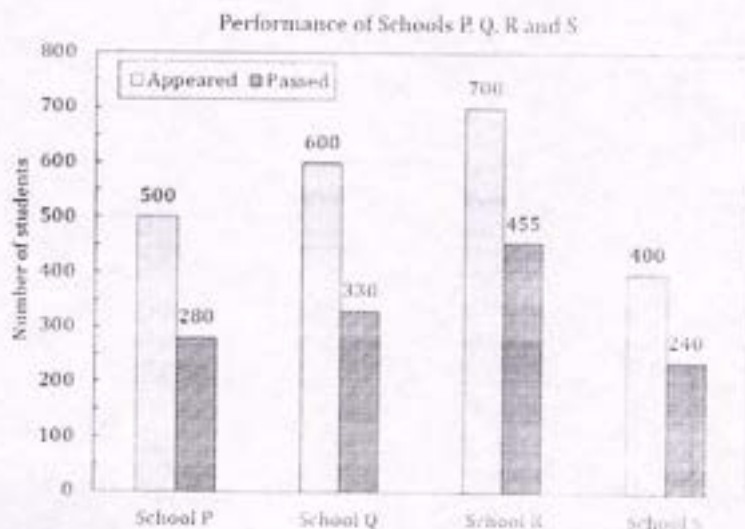


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- Q.No. 10 The bar graph shows the data of the students who appeared and passed in an examination for four schools P, Q, R and S. The average of success rates (in percentage) of these four schools is \_\_\_\_\_.



- (A) 58.5 %  
 (B) 58.8 %  
 (C) 59.0 %  
 (D) 59.3 %

### ME1: Mechanical Engineering

Q1 - Q25 carry one mark each.

- Q.No. 1 Multiplication of real valued square matrices of same dimension is

- (A) associative  
 (B) commutative  
 (C) always positive definite  
 (D) not always possible to compute

- Q.No. 2 The value of

$$\lim_{x \rightarrow 1} \left( \frac{1 - e^{-c(1-x)}}{1-x} \right) \text{ is}$$

- (A)  $c$   
 (B)  $c + 1$   
 (C)  $\frac{c}{c+1}$   
 (D)  $\frac{c+1}{c}$



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- Q.No. 3 The Laplace transform of a function  $f(t)$  is  $\mathcal{L}\{f\} = \frac{1}{(s^2 + \omega^2)}$ . Then,  $f(t)$  is

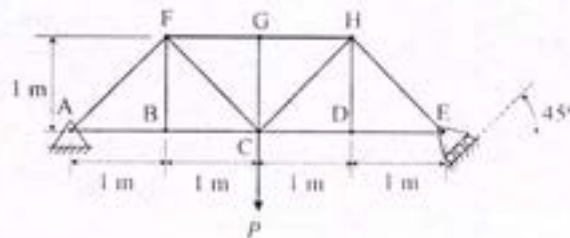
- (A)  $f(t) = \frac{1}{\omega^2} (1 - \cos \omega t)$

- (B)  $f(t) = \frac{1}{\omega} \cos \omega t$
- (C)  $f(t) = \frac{1}{\omega} \sin \omega t$
- (D)  $f(t) = \frac{1}{\omega^2} (1 - \sin \omega t)$

Q.No. 4 Which of the following function  $f(z)$ , of the complex variable  $z$ , is **NOT** analytic at all the points of the complex plane?

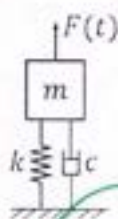
- (A)  $f(z) = z^2$
- (B)  $f(z) = e^z$
- (C)  $f(z) = \sin z$
- (D)  $f(z) = \log z$

Q.No. 5 The members carrying zero force (i.e. zero-force members) in the truss shown in the figure, for any load  $P > 0$  with no appreciable deformation of the truss (i.e. with no appreciable change in angles between the members), are



- (A) BF and DH only
- (B) BF, DH and GC only
- (C) BF, DH, GC, CD and DE only
- (D) BF, DH, GC, FG and GH only

Q.No. 6 A single-degree-of-freedom oscillator is subjected to harmonic excitation  $F(t) = F_0 \cos(\omega t)$  as shown in the figure.



The non-zero value of  $\omega$ , for which the amplitude of the force transmitted to ground will be  $F_0$ , is

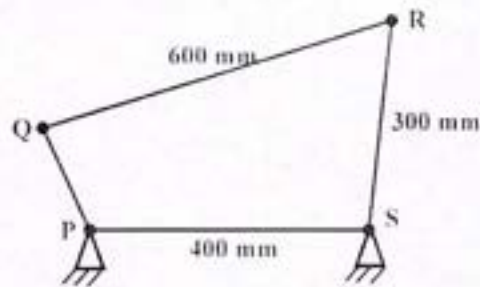
- (A)  $\sqrt{\frac{k}{2m}}$
- (B)  $\sqrt{\frac{k}{m}}$
- (C)  $\sqrt{\frac{2k}{m}}$
- (D)  $2\sqrt{\frac{k}{m}}$



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- Q.No. 7 The stress state at a point in a material under plane stress condition is equi-biaxial tension with a magnitude of 10 MPa. If one unit on the  $\sigma - \tau$  plane is 1 MPa, the Mohr's circle representation of the state-of-stress is given by
- (A) a circle with a radius equal to principal stress and its center at the origin of the  $\sigma - \tau$  plane
  - (B) a point on the  $\sigma$  axis at a distance of 10 units from the origin
  - (C) a circle with a radius of 10 units on the  $\sigma - \tau$  plane
  - (D) a point on the  $\tau$  axis at a distance of 10 units from the origin

Q.No. 8 A four bar mechanism is shown below.



For the mechanism to be a crank-rocker mechanism, the length of the link PQ can be

- (A) 80 mm
  - (B) 200 mm
  - (C) 300 mm
  - (D) 350 mm
- Q.No. 9 A helical gear with  $20^\circ$  pressure angle and  $30^\circ$  helix angle mounted at the mid-span of a shaft that is supported between two bearings at the ends. The nature of the stresses induced in the shaft is
- (A) normal stress due to bending only
  - (B) normal stress due to bending in one plane and axial loading; shear stress due to torsion
  - (C) normal stress due to bending in two planes and axial loading; shear stress due to torsion
  - (D) normal stress due to bending in two planes; shear stress due to torsion

Q.No. 10 The crystal structure of  $\gamma$  iron (austenite phase) is

- (A) BCC
- (B) FCC
- (C) HCP
- (D) BCT

Q.No. 11



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Match the following.

Heat treatment process	Effect
P: Tempering	1. Strengthening
Q: Quenching	2. Toughening
R: Annealing	3. Hardening
S: Normalizing	4. Softening

- (A) P-2, Q-3, R-4, S-1  
(B) P-1, Q-1, R-3, S-2  
(C) P-3, Q-3, R-1, S-3  
(D) P-4, Q-3, R-2, S-1

Q.No. 12 The base of a brass bracket needs rough grinding. For this purpose, the most suitable grinding wheel grade specification is

- (A) C30Q12V  
(B) A50G8V  
(C) C90J4B  
(D) A30D12V

Q.No. 13 In the Critical Path Method (CPM), the cost-time slope of an activity is given by

- (A)  $\frac{\text{Crash Cost} - \text{Normal Cost}}{\text{Crash Time}}$   
(B)  $\frac{\text{Normal Cost}}{\text{Crash Time} - \text{Normal Time}}$   
(C)  $\frac{\text{Crash Cost}}{\text{Crash Time} - \text{Normal Time}}$   
(D)  $\frac{\text{Crash Cost} - \text{Normal Cost}}{\text{Normal Time} - \text{Crash Time}}$

Q.No. 14 Froude number is the ratio of

- (A) buoyancy forces to viscous forces  
(B) inertia forces to viscous forces  
(C) buoyancy forces to inertia forces  
(D) inertia forces to gravity forces

Q.No. 15

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Match the following non-dimensional numbers with the corresponding definitions:

Non-dimensional number		Definition	
P	Reynolds number	1	$\frac{\text{Buoyancy force}}{\text{Viscous force}}$
Q	Grashof number	2	$\frac{\text{Momentum diffusivity}}{\text{Thermal diffusivity}}$
R	Nusselt number	3	$\frac{\text{Inertia force}}{\text{Viscous force}}$
S	Prandtl number	4	$\frac{\text{Convective heat transfer}}{\text{Conduction heat transfer}}$

- (A) P-1, Q-3, R-2, S-4  
 (B) P-3, Q-1, R-2, S-4  
 (C) P-4, Q-3, R-1, S-2  
 (D) P-3, Q-1, R-4, S-2

Q.No. 16 The velocity field of an incompressible flow in a Cartesian system is represented by

$$\vec{V} = 2(x^2 - y^2)\vec{i} + v\vec{j} + 3z\vec{k}$$

Which one of the following expressions for  $v$  is valid?

- (A)  $-4xz + 6xy$   
 (B)  $-4xy - 4xz$   
 (C)  $4xz - 6xy$   
 (D)  $4xy + 4xz$

Q.No. 17 For an ideal gas, the value of the Joule-Thomson coefficient is

- (A) positive  
 (B) negative  
 (C) zero  
 (D) indeterminate

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Q.No. 18 For an ideal gas, a constant pressure line and a constant volume line intersect at a point, in the Temperature ( $T$ ) versus specific entropy ( $s$ ) diagram.  $C_p$  is the specific heat at constant pressure and  $C_v$  is the specific heat at constant volume. The ratio of the slopes of the constant pressure and constant volume lines at point of intersection is

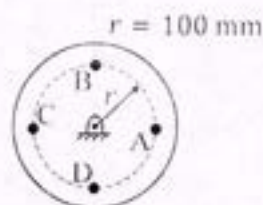
- (A)  $\frac{C_p - C_v}{C_p}$   
 (B)  $\frac{C_p}{C_v}$   
 (C)  $\frac{C_p - C_v}{C_v}$   
 (D)





$$\frac{C_v}{C_p}$$

- Q.No. 19 For three vectors  $\vec{A} = 2\hat{j} - 3\hat{k}$ ,  $\vec{B} = -2\hat{i} + \hat{k}$  and  $\vec{C} = 3\hat{i} - \hat{j}$ , where  $\hat{i}$ ,  $\hat{j}$  and  $\hat{k}$  are unit vectors along the axes of a right-handed rectangular Cartesian coordinate system, the value of  $(\vec{A} \cdot (\vec{B} \times \vec{C}) + 6)$  is \_\_\_\_\_.
- Q.No. 20 A flywheel is attached to an engine to keep its rotational speed between 100 rad/s and 110 rad/s. If the energy fluctuation in the flywheel between these two speeds is 1.05 kJ then the moment of inertia of the flywheel is \_\_\_\_\_ kg.m<sup>2</sup> (round off to 2 decimal places).
- Q.No. 21 A balanced rigid disc mounted on a rigid rotor has four identical point masses, each of 10 grams, attached to four points on the 100 mm radius circle shown in the figure.



The rotor is driven by a motor at uniform angular speed of 10 rad/s. If one of the masses gets detached then the magnitude of the resultant unbalance force on the rotor is \_\_\_\_\_ N (round off to 2 decimal places).

- Q.No. 22 A sheet metal with a stock hardness of 250 HRC has to be sheared using a punch and a die having a clearance of 1 mm between them. If the stock hardness of the sheet metal increases to 400 HRC, the clearance between the punch and the die should be \_\_\_\_\_ mm.
- Q.No. 23 A company is hiring to fill four managerial vacancies. The candidates are five men and three women. If every candidate is equally likely to be chosen then the probability that at least one woman will be selected is \_\_\_\_\_ (round off to 2 decimal places).
- Q.No. 24 The compressor of a gas turbine plant, operating on an ideal intercooled Brayton cycle, accomplishes an overall compression ratio of 6 in a two-stage compression process. Intercooling is used to cool the air coming out from the first stage to the inlet temperature of the first stage, before its entry to the second stage. Air enters the compressor at 300 K and 100 kPa. If the properties of gas are constant, the intercooling pressure for minimum compressor work is \_\_\_\_\_ Pa (round off to 2 decimal places).
- Q.No. 25 In a concentric tube counter-flow heat exchanger, hot oil enters at 105°C and leaves at 65°C. Cold water enters at 25°C and leaves at 42°C. The log mean temperature difference (LMTD) is \_\_\_\_\_ (round off to 2 decimal place).

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Q26 - Q55 carry two marks each.

Q.No. 26 The evaluation of the definite integral  $\int_{-1}^{1.4} x|x| dx$  by using Simpson's  $1/3^{rd}$  (one-third) rule with step size  $h = 0.6$  yields

- (A) 0.914
- (B) 1.248
- (C) 0.581
- (D) 0.592

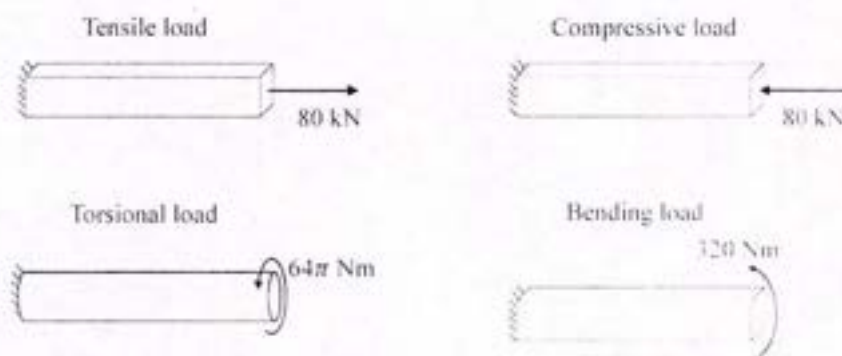
Q.No. 27 A vector field is defined as

$$\vec{f}(x, y, z) = \frac{x}{[x^2 + y^2 + z^2]^{\frac{3}{2}}} \vec{i} + \frac{y}{[x^2 + y^2 + z^2]^{\frac{3}{2}}} \vec{j} + \frac{z}{[x^2 + y^2 + z^2]^{\frac{3}{2}}} \vec{k}$$

where,  $\vec{i}, \vec{j}, \vec{k}$  are unit vectors along the axes of a right-handed rectangular Cartesian coordinate system. The surface integral  $\iint \vec{f} \cdot d\vec{S}$  (where  $d\vec{S}$  is an elemental surface area vector) evaluated over the inner and outer surfaces of a spherical shell formed by two concentric spheres with origin as the center, and internal and external radii of 1 and 2, respectively, is

- (A) 0
- (B)  $2\pi$
- (C)  $4\pi$
- (D)  $8\pi$

Q.No. 28 Bars of square and circular cross-section with 0.5 m length are made of a material with shear strength of 20 MPa. The square bar cross-section dimension is 4 cm  $\times$  4 cm and the cylindrical bar cross-section diameter is 4 cm. The specimens are loaded as shown in the figure.



Which specimen(s) will fail due to the applied load as per maximum shear stress theory?

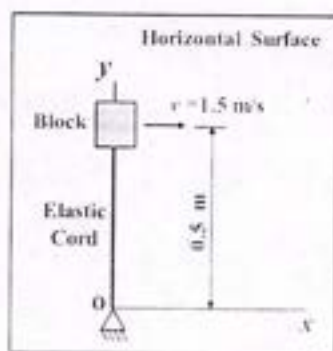
- (A) Tensile and compressive load specimens
- (B) Torsional load specimen
- (C) Bending load specimen
- (D) None of the specimens

Q.No. 29



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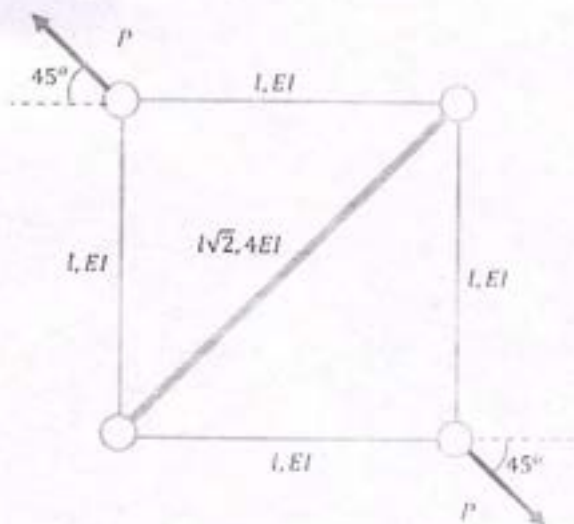
The 2 kg block shown in figure (top view) rests on a smooth horizontal surface and is attached to a massless elastic cord that has a stiffness 5 N/m.



The cord hinged at **O** is initially unstretched and always remains elastic. The block is given a velocity  $v$  of 1.5 m/s perpendicular to the cord. The magnitude of velocity in m/s of the block at the instant the cord is stretched by 0.4 m is

- (A) 0.83
- (B) 1.07
- (C) 1.36
- (D) 1.50

**Q.No. 30** The truss shown in the figure has four members of length  $l$  and flexural rigidity  $EI$ , and one member of length  $l\sqrt{2}$  and flexural rigidity  $4EI$ . The truss is loaded by a pair of forces of magnitude  $P$ , as shown in the figure.



The smallest value of  $P$ , at which any of the truss members will buckle is

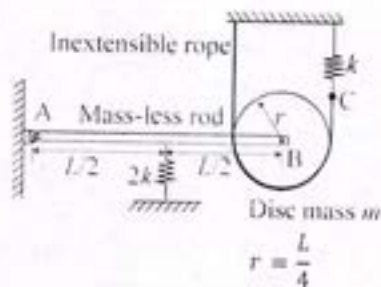
- (A)  $\frac{\sqrt{2}\pi^2 EI}{l^2}$
- (B)  $\frac{\pi^2 EI}{l^2}$
- (C)  $\frac{2\pi^2 EI}{l^2}$
- (D)  $\frac{\pi^2 EI}{2l^2}$

**Q.No. 31**



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A rigid mass-less rod of length  $L$  is connected to a disc (pulley) of mass  $m$  and radius  $r = L/4$  through a friction-less revolute joint. The other end of that rod is attached to a wall through a friction-less hinge. A spring of stiffness  $2k$  is attached to the rod at its mid-span. An inextensible rope passes over half the disc periphery and is securely tied to a spring of stiffness  $k$  at point C as shown in the figure. There is no slip between the rope and the pulley. The system is in static equilibrium in the configuration shown in the figure and the rope is always taut.



Neglecting the influence of gravity, the natural frequency of the system for small amplitude vibration is

- (A)  $\sqrt{\frac{3}{2}} \sqrt{\frac{k}{m}}$   
 (B)  $\frac{3}{\sqrt{2}} \sqrt{\frac{k}{m}}$   
 (C)  $\sqrt{3} \sqrt{\frac{k}{m}}$   
 (D)  $\sqrt{\frac{k}{m}}$

Q.No. 32 A strip of thickness 40 mm is to be rolled to a thickness of 20 mm using a two-high mill having rolls of diameter 200 mm. Coefficient of friction and arc length in mm, respectively are

- (A) 0.45 and 38.84  
 (B) 0.39 and 38.84  
 (C) 0.39 and 44.72  
 (D) 0.45 and 44.72

Q.No. 33 For an assembly line, the production rate was 4 pieces per hour and the average processing time was 60 minutes. The WIP inventory was calculated. Now, the production rate is kept the same, and the average processing time is brought down by 30 percent. As a result of this change in the processing time, the WIP inventory

- (A) decreases by 25%  
 (B) increases by 25%  
 (C) decreases by 30%  
 (D) increases by 30%

Q.No. 34



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A small metal bead (radius 0.5 mm), initially at 100°C, when placed in a stream of fluid at 20°C, attains a temperature of 28°C in 4.35 seconds. The density and specific heat of the metal are 8500 kg/m<sup>3</sup> and 400 J/kg.K, respectively. If the bead is considered as lumped system, the convective heat transfer coefficient (in W/m<sup>2</sup>.K) between the metal bead and the fluid stream is

- (A) 283.3
- (B) 299.8
- (C) 149.9
- (D) 449.7

Q.No. 35 Consider two exponentially distributed random variables X and Y, both having a mean of 0.50. Let Z = X + Y and r be the correlation coefficient between X and Y. If the variance of Z equals 0, then the value of r is \_\_\_\_\_ (round off to 2 decimal places).

Q.No. 36 An analytic function of a complex variable  $z = x + iy$  ( $i = \sqrt{-1}$ ) is defined as

$$f(z) = x^2 - y^2 + i\psi(x, y),$$

where  $\psi(x, y)$  is a real function. The value of the imaginary part of  $f(z)$  at  $z = (1 + i)$  is \_\_\_\_\_ (round off to 2 decimal places).

Q.No. 37 In a disc-type axial clutch, the frictional contact takes place within an annular region with outer and inner diameters 250 mm and 50 mm, respectively. An axial force  $F_1$  is needed to transmit a torque by a new clutch. However, to transmit the same torque, one needs an axial force  $F_2$  when the clutch wears out. If contact pressure remains uniform during operation of a new clutch while the wear is assumed to be uniform for an old clutch, and the coefficient of friction does not change, then the ratio  $F_1/F_2$  is \_\_\_\_\_ (round off to 2 decimal places).

Q.No. 38 A cam with a translating flat-face follower is desired to have the follower motion

$$y(\theta) = 4 [2\pi\theta - \theta^2], \quad 0 \leq \theta \leq 2\pi.$$

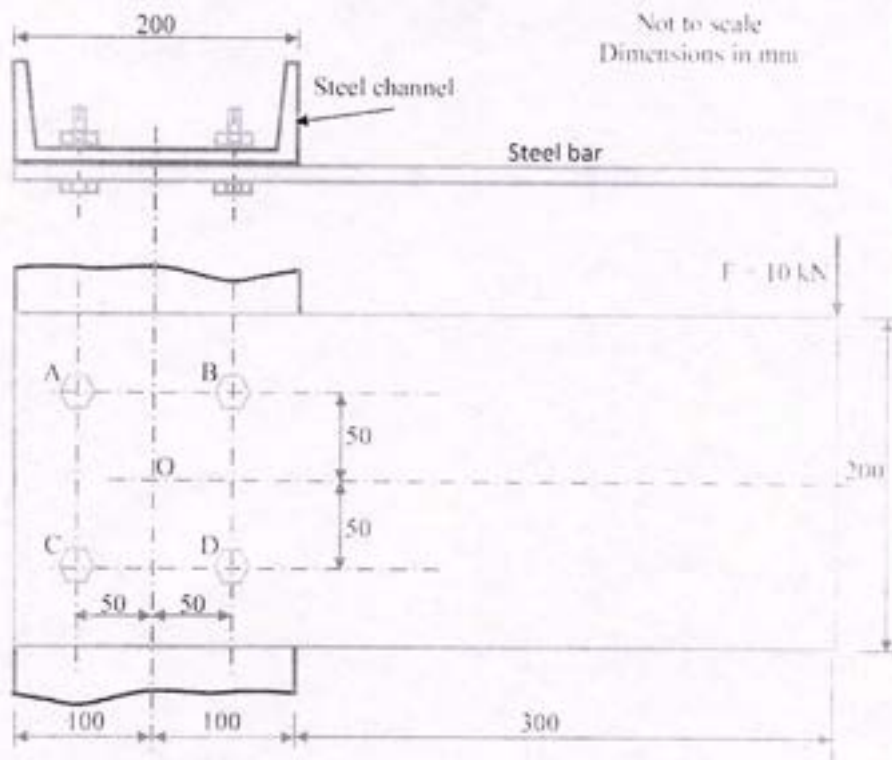
Contact stress considerations dictate that the radius of curvature of the cam profile should not be less than 40 mm anywhere. The minimum permissible base circle radius is \_\_\_\_\_ mm (round off to one decimal place).

Q.No. 39



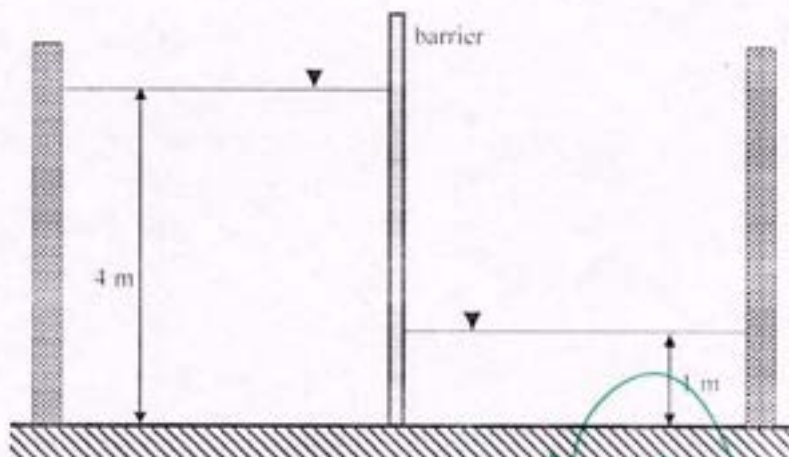
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A rectangular steel bar of length 500 mm, width 100 mm, and thickness 15 mm is cantilevered to a 200 mm steel channel using 4 bolts, as shown.



For an external load of 10 kN applied at the tip of the steel bar, the resultant shear load on the bolt at B, is \_\_\_\_\_ kN (round off to one decimal place)

Q.No. 40 The barrier shown between two water tanks of unit width (1 m) into the plane of the screen is modeled as a cantilever.



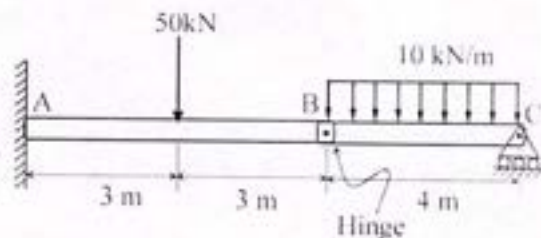
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Taking the density of water as 1000 kg/m<sup>3</sup> and the acceleration due to gravity as 10 m/s<sup>2</sup>, the maximum absolute bending moment developed in the cantilever is \_\_\_\_\_ kN-m (round off to the nearest integer).

Q.No. 41



The magnitude of reaction force at joint C of the hinge-beam shown in the figure is \_\_\_\_\_ kN (round off to 2 decimal places).



Q.No. 42 A slot of 25 mm × 25 mm is to be milled in a workpiece of 300 mm length using a side and face milling cutter of diameter 100 mm, width 25 mm and having 20 teeth.

For a depth of cut 5 mm, feed per tooth 0.1 mm, cutting speed 35 m/min and approach and over travel distance of 5 mm each, the time required for milling the slot is \_\_\_\_\_ minutes (round off to one decimal place).

Q.No. 43 The following data applies to basic shaft system:

tolerance for hole = 0.002 mm,

tolerance for shaft = 0.001 mm,

allowance = 0.003 mm,

basic size = 50 mm.

The maximum hole size is \_\_\_\_\_ mm (round off to 3 decimal places).

Q.No. 44 A steel part with surface area of 125 cm<sup>2</sup> is to be chrome coated through an electroplating process using chromium acid sulphate as an electrolyte. An increasing current is applied to the part according to the following current time relation:

$$I = 12 + 0.2t$$

where,  $I$  = current (A) and  $t$  = time (minutes). The part is submerged in the plating solution for a duration of 20 minutes for plating purpose. Assuming the cathode efficiency of chromium to be 15% and the plating constant of chromium acid sulphate to be  $2.50 \times 10^{-2}$  mm<sup>3</sup>/A·s, the resulting coating thickness on the part surface is \_\_\_\_\_ μm (round off to one decimal place).

Q.No. 45 In a turning process using orthogonal tool geometry, a chip length of 100 mm is obtained for an uncut chip length of 250 mm.

The cutting conditions are: cutting speed = 30 m/min, rake angle = 20°.

The shear plane angle is \_\_\_\_\_ degrees (round off to one decimal place).

Q.No. 46



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The thickness of a steel plate with material strength coefficient of 210 MPa, has to be reduced from 20 mm to 15 mm in a single pass in a two-high rolling mill with a roll radius of 450 mm and rolling velocity of 28 m/min. If the plate has a width of 200 mm and its strain hardening exponent,  $n$  is 0.25, the rolling force required for the operation is \_\_\_\_\_ kN (round off to 2 decimal places).

Note: Average Flow Stress = Material Strength Coefficient  $\times \frac{(\text{True Strain})^n}{(1+n)}$

- Q.No. 47 Two business owners Shveta and Ashok run their businesses in two different states. Each of them, independent of the other, produces two products A and B, sells them at Rs. 2,000 per kg and Rs. 3,000 per kg, respectively, and uses Linear Programming to determine the optimal quantity of A and B to maximize their respective daily revenue. Their constraints are as follows: i) for each business owner, the production process is such that the daily production of A has to be at least as much as B, and the upper limit for production of B is 10 kg per day, and ii) the respective state regulations restrict Shveta's production of A to less than 20 kg per day, and Ashok's production of A to less than 15 kg per day. The demand of both A and B in both the states is very high and everything produced is sold.

The absolute value of the difference in daily (optimal) revenue of Shveta and Ashok is \_\_\_\_\_ thousand Rupees (round off to 2 decimal places).

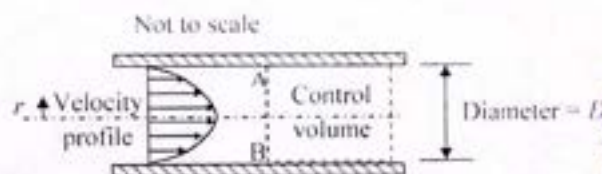
- Q.No. 48 Consider two cases as below.

Case 1: A company buys 1000 pieces per year of a certain part from vendor 'X'. The changeover time is 2 hours and the price is Rs. 10 per piece. The holding cost rate per part is 10% per year.

Case 2: For the same part, another vendor 'Y' offers a design where the changeover time is 6 minutes, with a price of Rs. 5 per piece, and a holding cost rate per part of 100% per year. The order size is 800 pieces per year from 'X' and 200 pieces per year from 'Y'.

Assume the cost of downtime as Rs. 200 per hour. The percentage reduction in the annual cost for Case 2, as compared to Case 1 is \_\_\_\_\_ (round off to 2 decimal places).

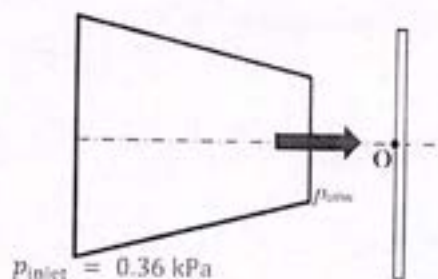
- Q.No. 49 Consider steady, viscous, fully developed flow of a fluid through a circular pipe of internal diameter  $D$ . We know that the velocity profile forms a paraboloid about the pipe centre line, given by:  $V = -C\left(r^2 - \frac{D^2}{4}\right)$  m/s, where  $C$  is a constant. The rate of kinetic energy (in J/s) at the control surface A-B, as shown in the figure, is proportional to  $D^n$ . The value of  $n$  is \_\_\_\_\_.



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- Q.No. 50 Air discharges steadily through a horizontal nozzle and impinges on a stationary vertical plate as shown in figure.



The inlet and outlet areas of the nozzle are  $0.1 \text{ m}^2$  and  $0.02 \text{ m}^2$ , respectively. Take air density as constant and equal to  $1.2 \text{ kg/m}^3$ . If the inlet gauge pressure of air is  $0.36 \text{ kPa}$ , the gauge pressure at point **O** on the plate is \_\_\_\_\_  $\text{kPa}$  (round off to two decimal places).

- Q.No. 51 Air (ideal gas) enters a perfectly insulated compressor at a temperature of  $310 \text{ K}$ . The pressure ratio of the compressor is 6. Specific heat at constant pressure for air is  $1005 \text{ J/kg.K}$  and ratio of specific heats at constant pressure and constant volume is 1.4. Assume that specific heats of air are constant. If the isentropic efficiency of the compressor is 85 percent, the difference in enthalpies of air between the exit and the inlet of the compressor is \_\_\_\_\_  $\text{kJ/kg}$  (round off to nearest integer).
- Q.No. 52 One kg of air, initially at a temperature of  $127^\circ\text{C}$ , expands reversibly at a constant pressure until the volume is doubled. If the gas constant of air is  $287 \text{ J/kg.K}$ , the magnitude of work transfer is \_\_\_\_\_  $\text{kJ}$  (round off to 2 decimal places).
- Q.No. 53 For an ideal Rankine cycle operating between pressures of  $30 \text{ bar}$  and  $0.04 \text{ bar}$ , the work output from the turbine is  $903 \text{ kJ/kg}$  and the work input to the feed pump is  $3 \text{ kJ/kg}$ . The specific steam consumption is \_\_\_\_\_  $\text{kg/kWh}$  (round off to 2 decimal places).

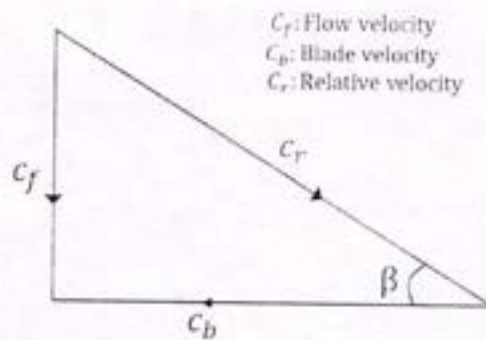
Q.No. 54

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For a Kaplan (axial flow) turbine, the outlet blade velocity diagram at a section is shown in figure.



The diameter at this section is 3 m. The hub and tip diameters of the blade are 2 m and 4 m, respectively. The water volume flow rate is  $100 \text{ m}^3/\text{s}$ . The rotational speed of the turbine is 300 rpm. The blade outlet angle  $\beta$  is \_\_\_\_\_ degrees (round off to one decimal place).

Q.No. 55 The indicated power developed by an engine with compression ratio of 8, is calculated using an air-standard Otto cycle (constant properties). The rate of heat addition is 10 kW. The ratio of specific heats at constant pressure and constant volume is 1.4. The mechanical efficiency of the engine is 80 percent

The brake power output of the engine is \_\_\_\_\_ kW (round off to one decimal place).



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# GATE 2020

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## Answer Key - ME1: Mechanical Engineering

Q.No.	Session	Que. Type	Sec. Name	Key	Marks
1	1	MCQ	GA	C	1
2	1	MCQ	GA	A	1
3	1	MCQ	GA	C	1
4	1	MCQ	GA	B	1
5	1	MCQ	GA	D	1
6	1	MCQ	GA	D	2
7	1	MCQ	GA	D	2
8	1	MCQ	GA	D	2
9	1	MCQ	GA	A	2
10	1	MCQ	GA	C	2
1	1	MCQ	ME	A	1
2	1	MCQ	ME	C	1
3	1	MCQ	ME	C	1
4	1	MCQ	ME	D	1
5	1	MCQ	ME	C	1
6	1	MCQ	ME	C	1
7	1	MCQ	ME	B	1
8	1	MCQ	ME	A	1
9	1	MCQ	ME	A OR C	1
10	1	MCQ	ME	B	1
11	1	MCQ	ME	A	1
12	1	MCQ	ME	A	1
13	1	MCQ	ME	D	1
14	1	MCQ	ME	D	1
15	1	MCQ	ME	D	1
16	1	MCQ	ME	B	1
17	1	MCQ	ME	C	1
18	1	MCQ	ME	D	1
19	1	NAT	ME	6 to 6	1
20	1	NAT	ME	0.98 to 1.02	1
21	1	NAT	ME	0.09 to 0.11	1
22	1	NAT	ME	1.0 to 1.3	1
23	1	NAT	ME	0.90 to 0.95	1
24	1	NAT	ME	MTA	1
25	1	NAT	ME	48.8 to 49.8	1
26	1	MCQ	ME	D	2
27	1	MCQ	ME	A	2
28	1	MCQ	ME	A	2
29	1	MCQ	ME	C	2
30	1	MCQ	ME	C	2
31	1	MCQ	ME	C	2
32	1	MCQ	ME	D	2
33	1	MCQ	ME	C	2



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34	1	MCQ	ME	B	2
35	1	NAT	ME	1.00 to 0.98	2
36	1	NAT	ME	1.99 to 2.01	2
37	1	NAT	ME	0.85 to 0.89	2
38	1	NAT	ME	47.9 to 48.1	2
39	1	NAT	ME	15.9 to 16.1	2
40	1	NAT	ME	104 to 106	2
41	1	NAT	ME	19.95 to 20.05	2
42	1	NAT	ME	7 to 9	2
43	1	NAT	ME	50.005 to 50.005	2
44	1	NAT	ME	0 to 0	2
45	1	NAT	ME	22 to 25	2
46	1	NAT	ME	1164 to 1168	2
47	1	NAT	ME	9.90 to 10.10	2
48	1	NAT	ME	8.19 to 8.23	2
49	1	NAT	ME	8 to 8	2
50	1	NAT	ME	0.37 to 0.45	2
51	1	NAT	ME	244 to 246	2
52	1	NAT	ME	114.6 to 115.0	2
53	1	NAT	ME	3.98 to 4.02	2
54	1	NAT	ME	11.0 to 14.0	2
55	1	NAT	ME	4.4 to 4.6	2

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**Date: 06/07/2021****Electronics and Communication Engineering (Code-ECE)****Circular**

This is to inform all students that GATE classes are being conducted by the **Electronics and Communication Engineering (Code-ECE)** according to the standard syllabus of GATE as per time table on working Saturday (Syllabus under current semester and previous semesters) **Electronics and Communication Engineering (Code-ECE)** students are hereby informed that In-House GATE coaching will start from 17/07/2021. Kindly register your name to the departmental coordinator Mr. Shiv Narain Gupta.

GATE scores are being used by several Indian public sector undertakings for recruiting graduate engineers entry-level positions. It is one of the most important competitive examinations in India.

**Note: Time-table is displayed on the notice board.**

**Dr. Mukesh Ojha**  
**HoD, ECE Department**



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**Electronics and Communication Engineering (Code-ECE)****GATE Classes (Module)**

Section -1	Engineering Mathematics (MATH)	15 Hours
Section -2	Networks, Signals, and Systems (NAS)	13 Hours
Section -3	Electronics Devices (ED)	13 Hours
Section -4	Analog Circuits (AC)	13 Hours
Section -5	Digital Circuits (DC)	13 Hours
Section -6	Control Systems (CS)	13 Hours
Section -7	Communication (COMM)	13 Hours
Section -8	Electromagnetics (EM)	13 Hours
Section -9	General Aptitude (GA)	15 Hours
<b>Total</b>		<b>121 hours</b>



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**Section 1: Engineering Mathematics**

Linear Algebra: Vector space, basis, linear dependence and independence, matrix algebra, eigen values and eigen vectors, rank, solution of linear equations – existence and uniqueness. Calculus: Mean value theorems, theorems of integral calculus, evaluation of definite and improper integrals, partial derivatives, maxima and minima, multiple integrals, line, surface and volume integrals, Taylor series. Differential Equations: First order equations (linear and nonlinear), higher order linear differential equations, Cauchy's and Euler's equations, methods of solution using variation of parameters, complementary function and particular integral, partial differential equations, variable separable method, initial and boundary value problems. Vector Analysis: Vectors in plane and space, vector operations, gradient, divergence and curl, Gauss's, Green's and Stoke's theorems. Complex Analysis: Analytic functions, Cauchy's integral theorem, Cauchy's integral formula; Taylor's and Laurent's series, residue theorem. Numerical Methods: Solution of nonlinear equations, single and multi-step methods for differential equations, convergence criteria. Probability and Statistics: Mean, median, mode and standard deviation; combinatorial probability, probability distribution functions – binomial, Poisson, exponential and normal; Joint and conditional probability; Correlation and regression analysis.

**Section 2: Networks, Signals and Systems**

Network solution methods: nodal and mesh analysis; Network theorems: superposition, Thevenin and Norton's, maximum power transfer; Wye-Delta transformation; Steady state sinusoidal analysis using phasors; Time domain analysis of simple linear circuits; Solution of network equations using Laplace transform; Frequency domain analysis of RLC circuits; Linear 2-port network parameters: driving point and transfer functions; State equations for networks. Continuous-time signals: Fourier series and Fourier transform representations, sampling theorem and applications; Discrete-time signals: discrete-time Fourier transform (DTFT), DFT, FFT, Z-transform, interpolation of discrete-time signals; LTI systems: definition and properties, causality, stability, impulse response, convolution, poles and zeros, parallel and cascade structure, frequency response, group delay, phase delay, digital filter design techniques.

**Section 3: Electronic Devices**

Energy bands in intrinsic and extrinsic silicon; Carrier transport: diffusion current, drift current, mobility and resistivity; Generation and recombination of carriers; Poisson and continuity equations; P-N junction, Zener diode, BJT, MOS capacitor, MOSFET, LED, photo diode and solar cell; Integrated circuit fabrication process: oxidation, diffusion, ion implantation, photolithography and twin-tub CMOS process.

**Section 4: Analog Circuits**

Small signal equivalent circuits of diodes, BJTs and MOSFETs; Simple diode circuits: clipping, clamping and rectifiers; Single-stage BJT and MOSFET amplifiers: biasing, bias stability, mid-frequency small signal analysis and frequency response; BJT and MOSFET amplifiers: multi-stage, differential, feedback, power and operational; Simple op-amp circuits; Active filters; Sinusoidal oscillators: criterion for oscillation, single-transistor and opamp configurations; Function generators, wave-shaping circuits and 555 timers; Voltage reference circuits; Power supplies: ripple removal and regulation.

**Section 5: Digital Circuits**


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Number systems; Combinatorial circuits: Boolean algebra, minimization of functions using Boolean identities and Karnaugh map, logic gates and their static CMOS implementations, arithmetic circuits, code converters, multiplexers, decoders and PLAs; Sequential circuits: latches and flip-flops, counters, shift registers and finite state machines; Data converters: sample and hold circuits, ADCs and DACs; Semiconductor memories: ROM, SRAM, DRAM; 8-bit microprocessor (8085): architecture, programming, memory and I/O interfacing.

### Section 6: Control Systems

Basic control system components; Feedback principle; Transfer function; Block diagram representation; Signal flow graph; Transient and steady-state analysis of LTI systems; Frequency response; Routh-Hurwitz and Nyquist stability criteria; Bode and root-locus plots; Lag, lead and lag-lead compensation; State variable model and solution of state equation of LTI systems.

### Section 7: Communications

Random processes: autocorrelation and power spectral density, properties of white noise, filtering of random signals through LTI systems; Analog communications: amplitude modulation and demodulation, angle modulation and demodulation, spectra of AM and FM, superheterodyne receivers, circuits for analog communications; Information theory: entropy, mutual information and channel capacity theorem; Digital communications: PCM, DPCM, digital modulation schemes, amplitude, phase and frequency shift keying (ASK, PSK, FSK), QAM, MAP and ML decoding, matched filter receiver, calculation of bandwidth, SNR and BER for digital modulation; Fundamentals of error correction, Hamming codes; Timing and frequency synchronization, inter-symbol interference and its mitigation; Basics of TDMA, FDMA and CDMA.

### Section 8: Electromagnetics

Electrostatics; Maxwell's equations: differential and integral forms and their interpretation, boundary conditions, wave equation, Poynting vector; Plane waves and properties: reflection and refraction, polarization, phase and group velocity, propagation through various media, skin depth; Transmission lines: equations, characteristic impedance, impedance matching, impedance transformation, S-parameters, Smith chart; Waveguides: modes, boundary conditions, cut-off frequencies, dispersion relations; Antennas: antenna types, radiation pattern, gain and directivity, return loss, antenna arrays; Basics of radar; Light propagation in optical fibers.

### Section 2: Networks, Signals and Systems

Network solution methods: nodal and mesh analysis; Network theorems: superposition, Thevenin and Norton's, maximum power transfer; Wye-Delta transformation; Steady state sinusoidal analysis using phasors; Time domain analysis of simple linear circuits; Solution of network equations using Laplace transform; Frequency domain analysis of RLC circuits; Linear 2-port network parameters: driving point and transfer functions; State equations for networks. Continuous-time signals: Fourier series and Fourier transform representations, sampling theorem and applications; Discrete-time signals: discrete-time Fourier transform (DTFT), DFT, FFT, Z-transform, interpolation of discrete-time signals; LTI systems: definition and properties, causality, stability, impulse response, convolution, poles and zeros, parallel and cascade structure, frequency response, group delay, phase delay, digital filter design techniques.

### Section 3: Electronic Devices



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Energy bands in intrinsic and extrinsic silicon; Carrier transport: diffusion current, drift current, mobility and resistivity; Generation and recombination of carriers; Poisson and continuity equations; P-N junction, Zener diode, BJT, MOS capacitor, MOSFET, LED, photo diode and solar cell; Integrated circuit fabrication process: oxidation, diffusion, ion implantation, photolithography and twin-tub CMOS process.

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Number systems; Combinatorial circuits: Boolean algebra, minimization of functions using Boolean identities and Karnaugh map, logic gates and their static CMOS implementations, arithmetic circuits, code converters, multiplexers, decoders and PLAs; Sequential circuits: latches and flip-flops, counters, shift-registers and finite state machines; Data converters: sample and hold circuits, ADCs and DACs; Semiconductor memories: ROM, SRAM, DRAM; 8-bit microprocessor (8085): architecture, programming, memory and I/O interfacing.

#### Section 6: Control Systems

Basic control system components; Feedback principle; Transfer function; Block diagram representation; Signal flow graph; Transient and steady-state analysis of LTI systems; Frequency response; Routh-Hurwitz and Nyquist stability criteria; Bode and root-locus plots; Lag, lead and lag-lead compensation; State variable model and solution of state equation of LTI systems.

#### Section 7: Communications

Random processes: autocorrelation and power spectral density, properties of white noise, filtering of random signals through LTI systems; Analog communications: amplitude modulation and demodulation, angle modulation and demodulation, spectra of AM and FM, superheterodyne receivers, circuits for analog communications; Information theory: entropy, mutual information and channel capacity theorem; Digital communications: PCM, DPCM, digital modulation schemes, amplitude, phase and frequency shift keying (ASK, PSK, FSK), QAM, MAP and ML decoding, matched filter receiver, calculation of bandwidth, SNR and BER for digital modulation; Fundamentals of error correction, Hamming codes; Timing and frequency synchronization, inter-symbol interference and its mitigation; Basics of TDMA, FDMA and CDMA.

#### Section 8: Electromagnetics

Electrostatics; Maxwell's equations: differential and integral forms and their interpretation, boundary conditions, wave equation, Poynting vector; Plane waves and properties: reflection and refraction, polarization, phase and group velocity, propagation through various media, skin depth; Transmission lines: equations, characteristic impedance, impedance matching, impedance transformation, S-parameters, Smith chart; Waveguides: modes, boundary conditions, cut-off frequencies, dispersion relations; Antennas: antenna types, radiation pattern, gain and directivity, return loss, antenna arrays; Basics of radar; Light propagation in optical fibers.



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 (Engineering Institute)  
 Greater Noida

**Electronics and Communication Engineering (Code-ECE)**
**Session (2021-22)**
**GATE-2022 Time Table**
**Room No:**
**w.e.f: 17/07/2021**

S.NO	DATE/TIME	9:15-10:55	10:55-12:35	12:35-1:35	1:35-3:15	3:15-4:55
1	17-Jul-21	NAS	ED		DC	MATH
2	31-Jul-21	AC	DC		CS	APT
3	07-Aug-21	NAS	CS		AC	MATH
4	14-Aug-21	CS	ED		COMM	APT
5	21-Aug-21	NAS	COMM		AC	MATH
6	28-Aug-21	DC	COMM		CS	APT
7	04-Sep-21	NAS	ED		CS	MATH
8	11-Sep-21	DC	NAS		AC	APT
9	18-Sep-21	CS	ED	<b>BREAK</b>	NAS	MATH
10	25-Sep-21	NAS	DC		COMM	APT
11	09-Oct-21	CS	NAS		AC	MATH
12	16-Oct-21	DC	ED		COMM	APT
13	23-Oct-21	NAS	CS		AC	MATH
14	30-Oct-21	CS	ED		DC	APT
15	13-Nov-21	NAS	ED		DC	MATH
16	20-Nov-21	ED	AC		COMM	APT
17	27-Nov-21	COMM	DC		AC	MATH
18	04-Dec-21	PREVIOUS PAPER DISCUSSION			NAS	APT
19	11-Dec-21	PREVIOUS PAPER DISCUSSION			ED	MATH
20	18-Dec-21	PREVIOUS PAPER DISCUSSION			AC	APT



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 Greater Noida

**Subject allotted to faculty members**

Sr. No	Subjects	Faculty
1	Engineering Mathematics (MATH)	Dr. Ravinder
2	Networks, Signals, and Systems (NAS)	Dr. Mukesh Ojha
3	Electronics Devices (ED)	Mr. Shiv Narain Gupta
4	Analog Circuits (AC)	Mr. Nitin Punyani
5	Digital Circuits (DC)	Dr. Rakhi Bhardwaj
6	Control Systems (CS)	Mr. Vivek Gupta
7	Communication (COMM)	Dr. Anil Dubey
8	Electromagnetic (EM)	Mr. Abhishek Kaushik
9	General Aptitude (APT)	Ms. Neetika



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**List of students**

S.No.	I.D. No.	AICTE Enrollment No	Name	BATCH
1	190028	1901320310070	ROHIT MISHRA	2022-23
2	190038	1901320310041	KAMLESH KUMAR	2022-23
3	190042	1901320310012	ANJALI PRIYA	2022-23
4	190058	1901320310042	KARAN PANDEY	2022-23
5	190095	1901320310044	KHUSHI KUMARI	2022-23
6	190096	1901320310032	GINNI KUMARI	2022-23
7	190136	1901320310088	VISHWJEET SINGH	2022-23
8	190146	1901320310056	PARV SHARMA	2022-23
9	190312	1901320310060	PRATEEK KUMAR MISHRA	2022-23
10	190313	1901320310058	PRAGYA PANDEY	2022-23
11	190314	1901320310046	MAMTA KUMARI	2022-23
12	190334	1901320310078	SUMIT KUMAR SINGH	2022-23
13	190352	1901320310036	GULSHAN KUMAR JHA	2022-23
14	190354	1901320310017	ANSHIKA	2022-23
15	190355	1901320310045	KRISHNA MURARI JHA	2022-23
16	190387	1901320310057	PRABHAT KUMAR MISHRA	2022-23
17	190400	1901320310082	UJJWAL KUMAR	2022-23
18	190529	1901320310035	GOPAL GUPTA	2022-23
19	190533	1901320310029	GANGA SAGAR CHAUDHARY	2022-23
20	190555	1901320310026	BHAVESH KUMAR	2022-23
21	190588	1901320310030	GAURAV HALDIYA	2022-23
22	190594	1901320310020	ARYAN GUPTA	2022-23
23	190633	1901320310081	TUSHAR JHA	2022-23
24	190648	1901320310079	SWAYM SAPRA	2022-23
25	190649	1901320310019	ANSHUL NAGAR	2022-23
26	190662	1901320310001	AAYUSHI SINGH	2022-23
27	190699	1901320310016	ANNU PRIYA	2022-23
28	190700	1901320310055	PALLAVI KUMARI	2022-23
29	200474	2001320319008	SHREYANSHI KANT	2022-23
30	200765	2001320319002	ANIL KUSHWAHA	2022-23
31	200831	2001320319001	AAKASH	2022-23
32	200853	2001320319009	UJALA PRAJAPATI	2022-23
33	200854	2001320319006	SEEMA	2022-23
34	200872	2001320319005	SANIYA TYAGI	2022-23



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S.No.	I.D. No.	AICTE Enrollment No	Name	BATCH
1	180042	1813231030	SAKSHI PRIYA	2021-22
2	180216	1813231004	ANSHU KUMAR	2021-22
3	180223	1813231036	SUDHAKAR SINGH	2021-22
4	180234	1813231032	SATYAM GIRI	2021-22
5	180263	1813231011	ISHANI SINGH	2021-22
6	180273	1813231008	DIMPLE GOLA	2021-22
7	180278	1813231041	UJJWAL KUMAR	2021-22
8	180284	1813231022	POONAM	2021-22
9	180291	1813231042	UMANG SINGH	2021-22
10	180311	1813231029	ROHIT RAI	2021-22
11	180316	1813231044	UTKARSH YADAV	2021-22
12	180346	1813231045	VANSHIKA CHAUDHARY	2021-22
13	180361	1813231039	TANVEER ALAM	2021-22
14	180374	1813231034	SHRUTI JHA	2021-22
15	180379	1813231009	HARSH KUMAR SHRIVASTAVA	2021-22
16	180380	1813231047	YAKSH CHEEMA	2021-22
17	180384	1813231007	AZHARUDDIN KHAN	2021-22
18	180408	1813231005	ARPIT KUMAR	2021-22
19	180487	1813231014	MADHU KUSHWAH	2021-22
20	180509	1813231046	VISHAL KUMAR SINGH	2021-22
21	180525	1813231012	KARAN SINGH RAWAT	2021-22
22	180613	1813231019	NITIN KUMAR	2021-22
23	180614	1813231023	PRIYANK RAJ	2021-22
24	180617	1813231002	ABHAY PANDEY	2021-22
25	180657	1813231020	PARV SINGH	2021-22
26	180659	1813231033	SHIV RAM TATHAGAT	2021-22
27	180661	1813231904	SHIVAM KUMAR	2021-22
28	180683	1813231031	SAMARTH SINGH	2021-22
29	180690	1813231038	SURAJ YADAV	2021-22
30	180693	1813231013	TANUJA TOMAR	2021-22



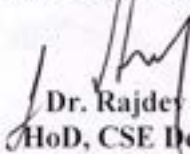
IQAC-Coordinator  
 Greater Noida Institute of Technology  
 (Engineering & Technology)  
 Greater Noida

**Date: 06/07/2021****Computer Science and Information Technology (Code-CS)****Circular**


This is to inform all students that GATE classes are being conducted by the **Computer Science and Information Technology (Code-CS)** according to the standard syllabus of GATE as per time table on working Saturday (Syllabus under current semester and previous semesters) **Computer Science and Information Technology (Code-CS)** students are hereby informed that In-House GATE coaching will start from 17/07/2021. Kindly register your name to the departmental coordinator Mrs. Uma Tomar and Mr. Asif Khan.

GATE scores are being used by several Indian public sector undertakings for recruiting graduate engineers' entry-level positions. It is one of the most important competitive examinations in India.


**Note: Time-table is displayed on the notice board.**

  
**Dr. Rajdev Tiwari**  
**HoD, CSE Department**



  
**Dr. Ramveer Singh**  
**HoD, IT Department**



  
**IQAC-Coordinator**  
**Greater Noida Institute of Technology**  
**(Engineering Institute)**  
**Greater Noida**

**Computer Science and Information Technology (Code-CS)**  
**GATE Classes (Module)**

Section -1	Engineering Mathematics	15 Hours
Section -2	Digital logic (DL)	13 Hours
Section -3	Computer organization and architecture (COA)	13 Hours
Section -4	Programming and data structures (PDS)	13 Hours
Section -5	Algorithms (ALGO)	13 Hours
Section -6	Theory of computation (TOC)	13 Hours
Section -7	Compiler design (CD)	13 Hours
Section -8	Operating system (OS)	13 Hours
Section -9	Databases (DB)	13 Hours
Section -10	Computer networks (CN)	13 Hours
Section -11	Discrete mathematics (DM)	13 Hours
Section -12	Aptitude (APT)	15 Hours
<b>Total</b>		<b>160 hours</b>

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**DETAILED SYLLABUS****Section 1: Engineering Mathematics**

Linear Algebra: Matrices, determinants, the system of linear equations, eigenvalues and eigenvectors, LU decomposition.

Calculus: Limits, continuity and differentiability. Maxima and minima. Mean value theorem. Integration.

Probability and Statistics: Random variables. Uniform, normal, exponential, poisson and binomial distributions. Mean, median, mode and standard deviation. Conditional probability and Bayes theorem.

**Section 2: Boolean algebra.**

Combinational and sequential circuits. Minimization. Number representations and computer arithmetic (fixed and floating point).

**Section 3: Computer Organization and Architecture.**

Machine instructions and addressing modes. ALU, data-path and control unit. Instruction pipelining. Memory hierarchy: cache, main memory and secondary storage; I/O interface (interrupt and DMA mode).

**Section 4: Programming and Data Structures**

Programming in C. Recursion. Arrays, stacks, queues, linked lists, trees, binary search trees, binary heaps, graphs.

**Section 5: Algorithms**

Searching, sorting, hashing. Asymptotic worst-case time and space complexity. Algorithm design techniques: greedy, dynamic programming and divide and conquer. Graph search, minimum spanning trees, and shortest paths.

**Section 6: Theory of Computation**

Regular expressions and finite automata. Context-free grammars and push-down automata. Regular and context-free languages, pumping lemma. Turing machines and undecidability.



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**Section 7: Compiler Design**

Lexical analysis, parsing, syntax-directed translation. Runtime environments. Intermediate code generation. Local optimisation, Data flow analyses: constant propagation, liveness analysis, common subexpression elimination.

**Section 8: Operating System**

System calls, processes, threads, inter-process communication, concurrency and synchronization. Deadlock. CPU and I/O scheduling. Memory management and virtual memory. File systems.

**Section 9: Databases**

ER model. Relational model: relational algebra, tuple calculus, SQL. Integrity constraints, normal forms. File organization, indexing (e.g., B and B+ trees). Transactions and concurrency control.

**Section 10: Computer Networks**

Concept of layering: OSI and TCP/IP Protocol Stacks; Basics of packet, circuit and virtual circuit switching; Data link layer: framing, error detection, Medium Access Control, Ethernet bridging; Routing protocols: shortest path, flooding, distance vector and link state routing; Fragmentation and IP addressing, IPv4, CIDR notation, Basics of IP support protocols (ARP, DHCP, ICMP), Network Address Translation (NAT); Transport layer: flow control and congestion control, UDP, TCP, sockets; Application layer protocols: DNS, SMTP, HTTP, FTP, Email

**Section 11: Discrete Mathematics**

Propositional and first-order logic. Sets, relations, functions, partial orders and lattices. Groups. Graphs: connectivity, matching, coloring. Combinatorics: counting, recurrence relations, generating functions.



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Greater Noida

**Computer Science and Information Technology (Code-CS)**
**Session (2021-22)**
**GATE-2022 Time Table**
**Room No:**
**w.e.f: 17/07/2021**

S.NO	DATE/TIME	9:15-10:5	10:55-12:35	12:35-1:35	1:35-3:15	3:15-4:55
1	17 JULY 2021	DL	PDS	<b>BREAK</b>	OS	EM
2	31 JULY 2021	COA	ALGO		TOC	APT
3	07 AUG 2021	DL	CD		OS	EM
4	14 AUG 2021	COA	ALGO		DB	APT
5	21 AUG 2021	CD	TOC		CN	EM
6	28 AUG 2021	COA	ALGO		DB	APT
7	04 SEPT 2021	DL	PDS		OS	EM
8	11 SEPT 2021	TOC	ALGO		CD	APT
9	18 SEPT 2021	DL	PDS		OS	EM
10	25 SEPT 2021	COA	ALGO		DB	APT
11	9 OCT 2021	DL	PDS		OS	EM
12	16 OCT 2021	TOC	ALGO		DB	APT
13	23 OCT 2021	DL	PDS		OS	EM
14	30 OCT 2021	COA	ALGO		CD	APT
15	13 NOV 2021	DL	PDS		TOC	EM
16	20 NOV 2021	COA	ALGO		DB	APT
17	27 NOV 2021	DL	CN		OS	EM
18	04 DEC 2021	TOC	ALGO		CD	APT
19	11 DEC 2021	ALGO	CN		DL	EM
20	18 DEC 2021	CN	TOC		DM	APT



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 Greater Noida

**Subject allotted to faculty members**

Sr. No	Subjects	Faculty
1	Engineering mathematics (EM)	Dr. Ravindra Kr.
2	Digital logic (DL)	Dr. RAJDEV TIWARI
3	Computer organization and architecture (COA)	Mr. UDAY ARUN
4	Programming and data structures (PDS)	Ms. VIDHA SHARMA
5	Algorithms (ALGO)	Mr. ASIF KHAN
6	Theory of computation (TOC)	Mr. ASHWANI VERMA
7	Compiler design (CD)	Mr. JAWED KHAN
8	Operating system (OS)	Ms. KUSUM MEHTA
9	Databases (DB)	Ms. KUMUD YADAV
10	Computer networks (CN)	Dr. INDRADEEP VERMA
11	Discrete mathematics (DM)	Mr. ASHWANI VERMA
12	Aptitude (APT)	Mr. Deepanshu



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18	190657	1901320100043	ATIYA GAUHAR	2021-2022
19	190578	1901320100044	AVINASH	2021-2022
20	190478	1901320100045	AVIRAL KUMAR SRIVASTAVA	2021-2022
21	190631	1901320100047	AZAD KUMAR SINGH	2021-2022
22	190401	1901320100023	ALOK RANJAN	2021-2022
23	190132	1901320100025	AMAN SEHGAL	2021-2022
24	190099	1901320100026	AMAN KUMAR	2021-2022
25	190087	1901320100027	AMIR REJA	2021-2022
26	190275	1901320100034	ANKUL CHAUDHARY	2021-2022
27	190078	1901320100035	ANUBHAV YADAV	2021-2022
28	190397	1901320100101	NAVEEN SINGH	2021-2022
29	190250	1901320100104	NILESH KUMAR GUPTA	2021-2022
30	190423	1901320100111	PRASHANT KUMAR	2021-2022
31	190678	1901320100112	PRASHANT RANJAN	2021-2022
32	190316	1901320100116	PRINCE PRABHAKAR	2021-2022
33	190081	1901320100117	PRIYA GUPTA	2021-2022
34	190590	1901320100122	PUSHKAR RAJ TIWARI	2021-2022
35	190629	1901320100123	RAJ SINGH	2021-2022
36	190129	1901320100128	RIYA	2021-2022
37	190199	1901320100131	RUDRANSHU SHUKLA	2021-2022



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38	190577	1901320100134	SAGAR	2021-2022
39	190219	1901320100188	ZAFAR IMAM	2021-2022
40	200094	2001320109006	MOHAMMAD ASHRAF	2021-2022
41	200355	2001320109007	MOHD TANZEEM ABDUL RAHIM	2021-2022
42	200273	2001320109010	NEERAJ KUMAR	2021-2022
43	200371	2001320109011	RAHIL AHMAD KHAN	2021-2022
44	200180	2001320109015	UTSAV KUMAR	2021-2022
45	170496	1713210081	MOHD ARIF	2021-2022
46	180393	1813210002	AAYUSH KUMAR	2021-2022
47	180251	1813210115	RAGINI	2021-2022
48	180138	1813210116	RAHUL SHARMA	2021-2022
49	180494	1813210180	VISHU	2021-2022
50	180699	1813210182	YOGESH TARKAR	2021-2022
51	180400	1813210183	YUSUF SIDDIQUI	2021-2022
52	180211	1813213048	MANOJ KUMAR	2021-2022
53	180092	1813213081	SHIVAM DUTT SHARMA	2021-2022
54	180458	1813213099	VIJAY LAKSHMI TIWARI	2021-2022
55	190455	1901320109002	ABHISHEK JAIN	2021-2022
56	180255	1813210065	HIMANSHU CHAUBEY	2021-2022
57	180567	1813210066	HRITHIK KOUNDAL	2021-2022



(Approved by AICTE, Delhi & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)  
 Plot No. 2, Knowledge Park II, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh  
 201320 (Greater Noida) Dist. Ghazipur, U.P. India. Website: www.gniot.ac.in

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 Greater Noida



**GNIOT**  
GREATER NOIDA INSTITUTE OF TECHNOLOGY

ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

58	180119	1813210067	JAGMOHAN MISHRA	2021-2022
59	180135	1813210073	KARUNANIDHI OJHA	2021-2022
60	180140	1813210076	KRISHNA MOHAN	2021-2022
61	190675	1901320109014	SARA KHAN	2021-2022
62	190593	1901320109017	SWATI SINGH	2021-2022
63	180409	1813213041	JATIN KUMAR	2021-2022
64	180413	1813213013	AKHILESH KUMAR JAIN	2021-2022
65	180471	1813213068	ROHIT VERMA	2021-2022
66	180506	1813213037	ITI KAUSHIK	2021-2022
67	180511	1813213053	MOHAMMUD BASSAM SALIM	2021-2022
68	180527	1813213069	SACHIN PATHAK	2021-2022
69	180533	1813213064	PRATYUSH KUMAR CHOUBEY	2021-2022
70	180561	1813213073	SANCHIT VERMA	2021-2022
71	180566	1813213062	PRASEN BISWAS	2021-2022
72	180304	1813213074	SANOOJ KUMAR SINGH	2021-2022
73	180310	1813213086	SHUBHAM KESHRI	2021-2022
74	180388	1813213104	YASHI RAJPUT	2021-2022
75	180406	1813213047	MANISH SARASWAT	2021-2022
76	180414	1813213044	KUMAR HARSHVARDHAN	2021-2022
77	180484	1813213045	KUNAL YADAV	2021-2022

(Approved by AICTE, Deptt. of Education, Govt. of India, P.O. Abdul Kalam Technical University, Lucknow)  
9, Plot No. 2, Knowledge Park-II, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh, 201307  
Contact: 2013074311



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Greater Noida

**GNIOT**  
GREATER NOIDA INSTITUTE OF TECHNOLOGY**ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी** (इंजीनियरिंग इंस्टीट्यूट)  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY** (Engg. Institute)

78	180491	1813213085	SHREYANSH UPADHYAY	2021-2022
79	180492	1813213009	ABHISHEK KUMAR TIWARI	2021-2022
80	180526	1813213090	SUNIL KUMAR YADAV	2021-2022
81	180568	1813213042	KAUSHAL LODHI	2021-2022
82	180570	1813213080	SHIVA KANT YADAV	2021-2022
83	190780	1901320130089	SAURABH KUMAR	2021-2022
84	190826	1901320130037	DUSHYANT BHATI	2021-2022
85	200143	2001320139002	ANKIT	2021-2022
86	200345	2001320139001	AFZAL MEHNDI	2021-2022
87	200436	2001320139012	SHAN KHAN	2021-2022
88	200467	2001320139014	SHOURAV KUMAR	2021-2022
89	200468	2001320139015	SUBHAM MAHATO	2021-2022



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Greater Noida







Date: 06/07/2021

Electrical Engineering Department

Circular

This is to inform all the students that GATE classes are scheduled to be conducted by the Electrical Engineering Department (EED) according to the standard syllabus of the GATE as per time table on working Saturday (syllabus under current semester and previous semesters). The EED students are hereby informed that in-house GATE coaching will start from 17/07/2021. Kindly register your name to the departmental coordinator Mr. Bhuvnesh Khokhar.

GATE scores are being used by several Indian public sector undertakings for recruiting graduate engineers entry-level positions and for doing M.Tech and Ph.D. in IITs/NITs. It is one of the most important competitive examinations in India.

Note: Time-table is displayed on notice board.



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Greater Noida Institute of Technology  
(Engineering Institute)  
Greater Noida

Mr. Nikhil Gupta  
HOD  
E.E DEPTT.

**Electrical Engineering Department****GATE Classes (Module)**

Section -1	Engineering Mathematics(EM)	15 Hours
Section -2	Electric circuits(EC)	13 Hours
Section -3	Electromagnetic Fields(EMFT)	13 Hours
Section -4	Electrical Machines(EM)	13 Hours
Section -5	Power Systems(PS)	13 Hours
Section -6	Control Systems(CS)	13 Hours
Section -7	Analog and Digital Electronics(ADE)	13 Hours
Section -8	Power Electronics (PE)	13 Hours
Section -9	General Aptitude (GA)	15 Hours
<b>Total</b>		<b>121 Hours</b>



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### Section 1: Engineering Mathematics

Linear Algebra: Matrix Algebra, Systems of linear equations, Eigenvalues, Eigenvectors.

Calculus: Mean value theorems, Theorems of integral calculus, Evaluation of definite and improper integrals, Partial Derivatives, Maxima and minima, Multiple integrals, Fourier series, Vector identities, Directional derivatives, Line integral, Surface integral, Volume integral, Stokes's theorem, Gauss's theorem, Divergence theorem, Green's theorem.

Differential equations: First order equations (linear and nonlinear), Higher order linear differential equations with constant coefficients, Method of variation of parameters, Cauchy's equation, Euler's equation, Initial and boundary value problems, Partial Differential Equations, Method of separation of variables.

Complex variables: Analytic functions, Cauchy's integral theorem, Cauchy's integral formula, Taylor series, Laurent series, Residue theorem, Solution integrals.

Probability and Statistics: Sampling theorems, Conditional probability, Mean, Median, Mode, Standard Deviation, Random variables, Discrete and Continuous distributions, Poisson distribution, Normal distribution, Binomial distribution, Correlation analysis, Regression analysis.

### Section 2: Electric circuits

Network elements: ideal voltage and current sources, dependent sources, R, L, C, M elements; Network solution methods: KCL, KVL, Node and Mesh analysis; Network Theorems: Thevenin's, Norton's, Superposition and Maximum Power Transfer theorem; Transient response of dc and ac networks, sinusoidal steady-state analysis, resonance, two port networks, balanced three phase circuits, star-delta transformation, complex power and power factor in ac circuits

### Section 3: Electromagnetic Fields

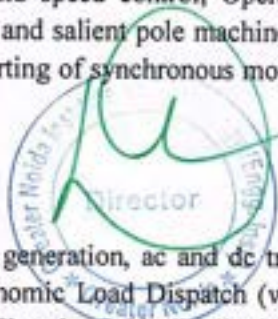
Coulomb's Law, Electric Field Intensity, Electric Flux Density, Gauss's Law, Divergence, Electric field and potential due to point, line, plane and spherical charge distributions, Effect of dielectric medium, Capacitance of simple configurations, Biot-Savart's law, Ampere's law, Curl, Faraday's law, Lorentz force, Inductance, Magneto motive force, Reluctance, Magnetic circuits, Self and Mutual inductance of simple configurations

### Section 4: Electrical Machines

Single phase transformer: equivalent circuit, phasor diagram, open circuit and short circuit tests, regulation and efficiency; Three-phase transformers: connections, vector groups, parallel operation; Auto-transformer, Electromechanical energy conversion principles; DC machines: separately excited, series and shunt, motoring and generating mode of operation and their characteristics, speed control of dc motors; Three-phase induction machines: principle of operation, types, performance, torque-speed characteristics, no-load and blocked-rotor tests, equivalent circuit, starting and speed control; Operating principle of single-phase induction motors; Synchronous machines: cylindrical and salient pole machines, performance and characteristics, regulation and parallel operation of generators, starting of synchronous motors; Types of losses and efficiency calculations of electric machines

### Section 5: Power Systems

Basic concepts of electrical power generation, ac and dc transmission concepts, Models and performance of transmission lines and cables, Economic Load Dispatch (with and without considering transmission losses), Series and shunt compensation, Electric field distribution and insulators, Distribution systems, Per-unit quantities, Bus admittance matrix, Gauss-Seidel and Newton-Raphson load flow methods, Voltage and Frequency control, Power factor correction, Symmetrical components, Symmetrical and unsymmetrical fault



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Greater Noida Institute of Technology  
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Greater Noida



analysis, Principles of over-current, differential, directional and distance protection; Circuit breakers, System stability concepts, Equal area criterion.

### Section 6: Control Systems

Mathematical modeling and representation of systems, Feedback principle, transfer function, Block diagrams and Signal flow graphs, Transient and Steady-state analysis of linear time invariant systems, Stability analysis using Routh-Hurwitz and Nyquist criteria, Bode plots, Root loci, Lag, Lead and Lead-Lag compensators; P, PI and PID controllers; State space model, Solution of state equations of LTI systems

### Section 7: Analog and Digital Electronics

Simple diode circuits: clipping, clamping, rectifiers; Amplifiers: biasing, equivalent circuit and frequency response; oscillators and feedback amplifiers; operational amplifiers: characteristics and applications; single stage active filters, Active Filters: Sallen Key, Butterworth, VCOs and timers, combinatorial and sequential logic circuits, multiplexers, demultiplexers, Schmitt triggers, sample and hold circuits, A/D and D/A converters

### Section 8: Power Electronics

Static V-I characteristics and firing/gating circuits for Thyristor, MOSFET, IGBT; DC to DC conversion: Buck, Boost and Buck-Boost Converters; Single and three-phase configuration of uncontrolled rectifiers; Voltage and Current commutated Thyristor based converters; Bidirectional ac to dc voltage source converters; Magnitude and Phase of line current harmonics for uncontrolled and thyristor based converters; Power factor and Distortion Factor of ac to dc converters; Single-phase and three-phase voltage and current source inverters, sinusoidal pulse width modulation



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**ELECTRICAL ENGINEERING (Code-EE)**
**Session (2021-22)**
**Gate-2022 (Time Table)**
**w.e.f: 17/07/2021**

DATE/TIME	9:15-10:55	10:5-12:35	12:35-1:35	1:35-3:15	3:15-4:55
17 JULY 2021	EM	EC	<b>BREAK</b>	EMFT	PE
31 JULY 2021	EMA	PS		CS	ADE
07 AUG 2021	GA	EM		EC	EMFT
14 AUG 2021	PE	EMA		PS	CS
21 AUG 2021	ADE	GA		EM	EC
28 AUG 2021	EMFT	PE		EMA	PS
04 SEPT 2021	CS	ADE		GA	EM
11 SEPT 2021	EC	EMFT		PE	EMA
18 SEPT 2021	PS	CS		ADE	GA
25 SEPT 2021	EM	EC		EMFT	PE
9 OCT 2021	EMA	PS		CS	ADE
16 OCT 2021	GA	EM		EC	EMFT
23 OCT 2021	PE	EMA		PS	CS
30 OCT 2021	ADE	GA		EM	EC
13 NOV 2021	EM	EC		EMFT	PE
20 NOV 2021	EMA	PS		CS	ADE
27 NOV 2021	GA	EM		EC	EMFT
04 DEC 2021	PREVIOUS PAPER DISCUSSION			PE	EMA
11 DEC 2021	PREVIOUS PAPER DISCUSSION			PS	CS
18 DEC 2021	PREVIOUS PAPER DISCUSSION			ADE	PE



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 (Engineering Institute)  
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**Subjects allotted to Faculty members**

S. No.	Subjects	Faculty
1	Engineering mathematics (EM)	Mr. Bhuvnesh Khokhar
2	Electric circuits (EC)	Mr. Ajay Singh
3	Electromagnetic Fields (EF)	Mr. Sushil Singh
4	Electrical Machines (EMC)	Mr. Aneep Malik
5	Power Systems (PS)	Mr. Rahul Dwivedi
6	Control Systems (CS)	Mr. Jitendra Sharma
7	Analog and Digital Electronics (ADE)	Mr. Dalveer
8	Power Electronics (PE)	Mr. Nikhil gupta
9	General Aptitude(GA)	Ms. Neetika



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**List of students**

S.No.	I.D.	AICTE Enrollment No	Student Name	BATCH
1	200519	2001320209001	ABHISHEK CHAURASIYA	2022-23



**GNIOT**  
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**ग्रेटर नोएडा इंस्टीट्यूट ऑफ टेक्नोलॉजी (इंजीनियरिंग इंस्टीट्यूट)**  
**GREATER NOIDA INSTITUTE OF TECHNOLOGY (Engg. Institute)**

2	190378	1901320200001	ANAND PRAKASH	2022-23
3	200797	2001320209002	ARVIND KUMAR CHAURASIYA	2022-23
4	190449	1901320200002	ASHISH RAJPUT	2022-23
5	190195	1901320200003	ASIF MUMTAZ	2022-23
6	190197	1901320200004	BHANU PRAKASH	2022-23
7	200612	2001320209003	EKTA CHAUDHARY	2022-23
8	190427	1901320200006	GULREZ AKHTER	2022-23
9	190252	1901320200007	HAMID IQBAL KHAN	2022-23
10	200508	2001320209004	INDRESH KUMAR YADAV	2022-23
11	190645	1901320200009	KARTIK MEGHWAL	2022-23
12	190501	1901320200011	MD SHEESH	2022-23
13	190611	1901320200013	NAVEEN JAISWAL	2022-23
14	190620	1901320200014	NAVNEET UPADHYAY	2022-23
15	190285	1901320200015	NITISH KUMAR JHA	2022-23
16	190778	1901320200016	PRATEEK KASHYAP	2022-23
17	200598	2001320209006	PRITAM YADAV	2022-23
18	190315	1901320200017	PRITESH KUMAR SINGH	2022-23
19	200805	2001320209007	RAFI AZAM	2022-23
20	190060	1901320200018	RAJAT KUMAR TIWARI	2022-23
21	190336	1901320200019	SAKET KUMAR	2022-23
22	200518	2001320209008	SATYAM RAY	2022-23
23	190142	1901320200022	SUDHANSHU KUMAR	2022-23
24	200842	2001320209009	VICKY KUMAR	2022-23
25	200608	2001320209010	VIPIN PANDEY	2022-23
26	200391	2001320209011	WAQAR AHMAD	2022-23



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**List of students**

S.No.	I.D.	AICTE Enrollment No	Student Name	BATCH
1	190228	1901320209001	AAKASH KUMAR	2021 - 22
2	180397	1813220001	ABHINAV KASHYAP	2021-22
3	180609	1813220002	ADARSH KUMAR RAJ	2021-22
4	180363	1813220003	AKHILESH YADAV	2021-22
5	190216	1901320209002	ALTAf ALAM	2021-22
6	180633	1813220004	ANAMIKA	2021-22
7	190776	1901320209003	ANKIT KUMAR PANDEY	2021-22
8	180473	1813220005	ARYAN TIWARI	2021-22
9	180021	1813220006	ATUL DWIVEDI	2021-22
10	190822	1901320209004	AVINASH KUMAR	2021-22
11	180150	1813220007	DEVASHISH NEGI	2021-22
12	180063	1813220008	GAURAV ROY	2021-22
13	190685	1901320209005	HIMANSHU SHARMA	2021-22
14	180681	1813220009	KOMAL TIWARI	2021-22
15	180544	1813220010	MD. NEHAL	2021-22
16	190006	1901320209006	MD. ZARGHAM RAZA KHAN	2021-22
17	180322	1813220011	PANKAJ PAL	2021-22
18	180337	1813220012	PRAVEEN KUMAR VERMA	2021-22
19	180426	1813220013	PUNIT KUMAR PANDEY	2021-22
20	190524	1901320209008	PUNIT RANJAN YADAV	2021-22
21	180498	1813220014	PUSHPENDRA SINGH	2021-22
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27	180203	1813220021	TAHSEEN AHMAD	2021-22
28	180227	1813220022	VINAY KUMAR TIWARI	2021-22
29	180252	1813220023	VIVEK KUMAR	2021-22





Date: 01/07/2020

Electrical Engineering Department

Circular

This is to inform all students that GATE classes are being conducted by the Electrical Engineering Department according to the standard syllabus of GATE as per time table on working Saturday (Syllabus under current semester and previous semesters) Electrical Engineering students are hereby informed that in-House GATE coaching will start from 11/07/2020 in ON-LINE mode. Kindly register your name to the departmental coordinator Mr. Bhuvnesh Khokhar.

GATE scores are being used by several Indian public sector undertakings for recruiting graduate engineers entry-level positions and for doing M.Tech and Ph.D. in IITs/NITs. It is one of the most important competitive examinations in India.

Note: Time-table is displayed on notice board.

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Greater Noida

Dr. R.L Sharma  
HOD  
E.E DEPTT.



**Electrical Engineering Department****GATE Classes (Module)**

Section -1	Engineering Mathematics(EM)	15 Hours
Section -2	Electric circuits(EC)	13 Hours
Section -3	Electromagnetic Fields(EMFT)	13 Hours
Section -4	Electrical Machines(EM)	13 Hours
Section -5	Power Systems(PS)	13 Hours
Section -6	Control Systems(CS)	13 Hours
Section -7	Analog and Digital Electronics(ADE)	13 Hours
Section -8	Power Electronics (PE)	13 Hours
Section -9	General Aptitude (GA)	15 Hours
<b>Total</b>		<b>121 Hours</b>



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**Section 1: Engineering Mathematics**

Linear Algebra: Matrix Algebra, Systems of linear equations, Eigenvalues, Eigenvectors.

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Complex variables: Analytic functions, Cauchy's integral theorem, Cauchy's integral formula, Taylor series, Laurent series, Residue theorem, Solution integrals.

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**Section 3: Electromagnetic Fields**

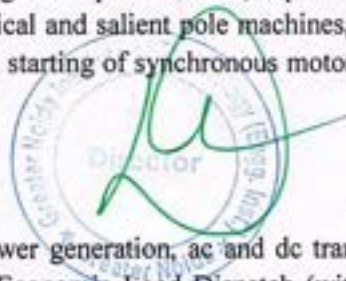
Coulomb's Law, Electric Field Intensity, Electric Flux Density, Gauss's Law, Divergence, Electric field and potential due to point, line, plane and spherical charge distributions, Effect of dielectric medium, Capacitance of simple configurations, Biot- Savart's law, Ampere's law, Curl, Faraday's law, Lorentz force, Inductance, Magneto motive force, Reluctance, Magnetic circuits, Self and Mutual inductance of simple configurations

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quantities, Bus admittance matrix, Gauss- Seidel and Newton - Raphson load flow methods, Voltage and

Frequency control, Power factor correction, Symmetrical components, Symmetrical and unsymmetrical fault analysis, Principles of over-current, differential, directional and distance protection; Circuit breakers, System stability concepts, Equal area criterion.

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(Engineering Institute)  
Greater Noida

**ELECTRICAL ENGINEERING (Code-EE)**  
**Session (2020-21)**  
**GATE-2021 (Time Table)**  
**w.e.f: 11/07/2020 (ON-LINE Mode)**

DATE/TIME	9:15-10:55	10:5-12:35	12:35-1:35	1:35-3:15	3:15-4:55
11 JULY 2020	EM	EC	<b>BREAK</b>	EMFT	PE
25 JULY 2020	EMA	PS		CS	ADE
08 AUG 2020	GA	EM		EC	EMFT
22 AUG 2020	PE	EMA		PS	CS
29 AUG 2020	ADE	GA		EM	EC
12 SEP 2020	EMFT	PE		EMA	PS
26 SEP 2020	CS	ADE		GA	EM
03 OCT 2020	EC	EMFT		PE	EMA
10 OCT 2020	PS	CS		ADE	GA
17 OCT 2020	EM	EC		EMFT	PE
24 OCT 2020	EMA	PS		CS	ADE
31 OCT 2020	GA	EM		EC	EMFT
07 NOV 2020	PE	EMA		PS	CS
14 NOV 2020	ADE	GA		EM	EC
21 NOV 2020	EM	EC		EMFT	PE
28 NOV 2020	EMA	PS		CS	ADE
05 DEC 2020	GA	EM		EC	EMFT
12 DEC 2020	PREVIOUS PAPER DISCUSSION			PE	EMA
19 DEC 2020	PREVIOUS PAPER DISCUSSION			PS	CS
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 Greater Noida Institute of Technology  
 (Engineering Institute)  
 Greater Noida

**Subjects allotted to Faculty members**

S. No.	Subjects	Faculty
1	Engineering mathematics (EM)	Mr. Sandeep Goyat
2	Electric circuits (EC)	Mr. Ankit Gupta
3	Electromagnetic Fields (EF)	Mr. Sushil Singh
4	Electrical Machines (EMC)	Mr. Nikhil Gupta
5	Power Systems (PS)	Mr. Aneep Malik
6	Control Systems (CS)	Mr. Rajesh Dhaka
7	Analog and Digital Electronics (ADE)	Ms. Renuka Gandhi
8	Power Electronics (PE)	Ms. Indu Bhushan
9	General Aptitude(GA)	Mr. Rajesh Dhaka



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### Student List

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22	180188	1813220015	RAUSHAN KUMAR PANDEY	2021-22
23	180610	1813220016	RISHIKESH SINGH	2021-22
24	180560	1813220017	SANTOSH KUMAR	2021-22
25	180535	1813220018	SHIVAM MODANWAL	2021-22
26	180330	1813220019	STANZIN PAKTO	2021-22
27	180203	1813220021	TAHSEEN AHMAD	2021-22
28	180227	1813220022	VINAY KUMAR TIWARI	2021-22
29	180252	1813220023	VIVEK KUMAR	2021-22



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S.No.	Id No.	AICTE Enrollment No	Student Name	Batch
1	170046	1713220009	DILLIP KUMAR MOHAPATRA	2020-21
2	170105	1713210188	WASEEM AHMAD	2020-21
3	170114	1713220010	HARSH KAUSHIK	2020-21
4	170155	1713220026	SAURABH KUMAR	2020-21
5	170170	1713220031	VIBHANSHU BHARDWAJ	2020-21
6	170200	1713220027	SHIVAM CHAUHAN	2020-21
7	170285	1713220020	PIYUSH KUMAR	2020-21
8	170312	1713220028	SUDHANSHU TRIPATHI	2020-21
9	170317	1713220015	MD IMSHAD	2020-21
10	170318	1713220032	VISHAL	2020-21
11	170324	1713220025	SACHIN DEV	2020-21
12	170326	1713220003	AKASH BHARADWAJ	2020-21
13	170335	1713220007	BITTU KUMAR	2020-21
14	170337	1713220030	SUSHANT KUMAR	2020-21
15	170348	1713220016	MD HAMZA	2020-21
16	170351	1713220013	KHUSROO TARIQUE	2020-21
17	170419	1713220021	PRABHAT SINGH	2020-21
18	170461	1713220019	NAMRATA YADAV	2020-21
19	170462	1713220023	ROSHANI SINGH	2020-21
20	170521	1713220004	AMAN KUMAR	2020-21
21	170608	1713220017	MOHD FARMAN	2020-21
22	170613	1713220022	PUSHPAK KUMAR GAUTAM	2020-21
23	170665	1713220001	AADIL HAMEED DAR	2020-21
24	170792	1713220024	SABIYA MIR	2020-21
25	180461	1813220902	ABHISHEK KASHYAP	2020-21
26	180496	1813220903	AMIT KUMAR VIMAL	2020-21
27	180534	1813220907	GEETANJALI KASHYAP	2020-21
28	180608	1813220901	ABDUL RAHEEM	2020-21
29	180626	1813220904	ANKUR ROSHAN	2020-21
30	180646	1813220905	DESH GOURAV	2020-21
31	180660	1813220908	HIMANSHU SHEKHAR	2020-21



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**Electrical Engineering (EE)****General Aptitude (GA)**

**Q.1 – Q.5 Multiple Choice Question (MCQ), carry ONE mark each (for each wrong answer: – 1/3).**

Q.1	The people _____ were at the demonstration were from all sections of society.
(A)	whose
(B)	which
(C)	who
(D)	whom



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Greater Noida

**Electrical Engineering (EE)****General Aptitude (GA)**

**Q.1 – Q.5 Multiple Choice Question (MCQ), carry ONE mark each (for each wrong answer: – 1/3).**



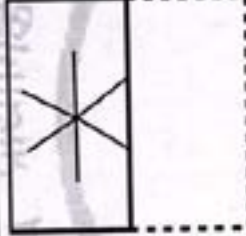
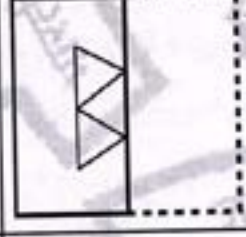
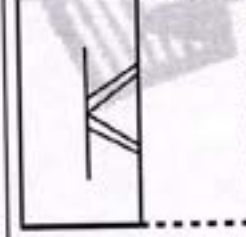
Q.1	The people _____ were at the demonstration were from all sections of society.
(A)	whose
(B)	which
(C)	who
(D)	whom



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**Electrical Engineering (EE)**

<p><b>Q.2</b></p>	<div style="text-align: center;">  </div> <p>A transparent square sheet shown above is folded along the dotted line. The folded sheet will look like _____.</p>
<p>(A)</p>	
<p>(B)</p>	
<p>(C)</p>	
<p>(D)</p>	



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## Electrical Engineering (EE)

Q.3	For a regular polygon having 10 sides, the interior angle between the sides of the polygon, in degrees, is:
(A)	396
(B)	324
(C)	216
(D)	144

Q.4	Which one of the following numbers is exactly divisible by $(11^{13} + 1)$ ?
(A)	$11^{26} + 1$
(B)	$11^{33} + 1$
(C)	$11^{39} - 1$
(D)	$11^{52} - 1$

Q.5	<i>Oasis</i> is to <i>sand</i> as <i>island</i> is to _____ Which one of the following options maintains a similar logical relation in the above sentence?
(A)	Stone
(B)	Land
(C)	Water
(D)	Mountain



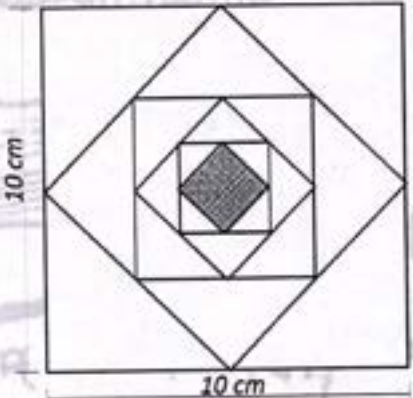
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**Electrical Engineering (EE)**

Q. 6 – Q. 10 Multiple Choice Question (MCQ), carry TWO marks each (for each wrong answer: – 2/3).

Q.6	<p>The importance of sleep is often overlooked by students when they are preparing for exams. Research has consistently shown that sleep deprivation greatly reduces the ability to recall the material learnt. Hence, cutting down on sleep to study longer hours can be counterproductive.</p> <p>Which one of the following statements is the CORRECT inference from the above passage?</p>
(A)	Sleeping well alone is enough to prepare for an exam. Studying has lesser benefit.
(B)	Students are efficient and are not wrong in thinking that sleep is a waste of time.
(C)	If a student is extremely well prepared for an exam, he needs little or no sleep.
(D)	To do well in an exam, adequate sleep must be part of the preparation.

Q.7	 <p>In the figure shown above, each inside square is formed by joining the midpoints of the sides of the next larger square. The area of the smallest square (shaded) as shown, in <math>\text{cm}^2</math> is:</p>
(A)	12.50
(B)	6.25
(C)	3.125
(D)	1.5625



## Electrical Engineering (EE)

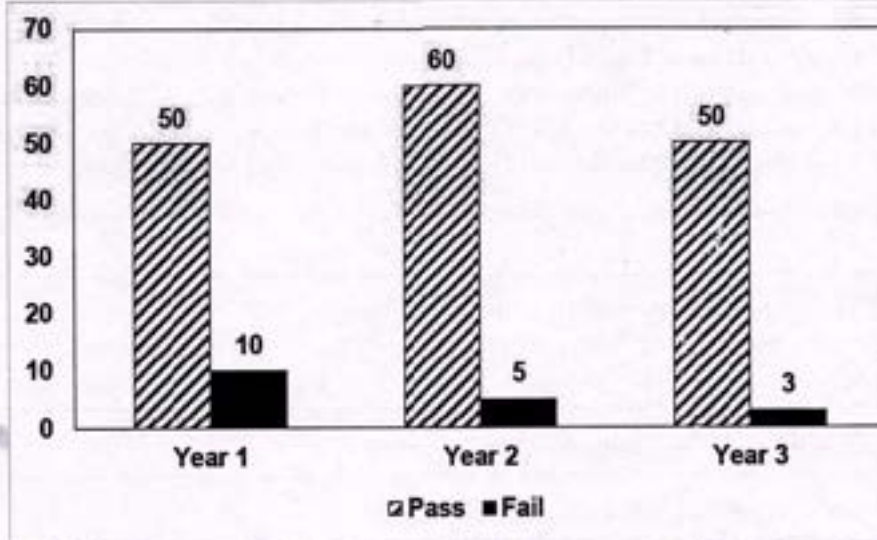
Q.8	Let $X$ be a continuous random variable denoting the temperature measured. The range of temperature is $[0, 100]$ degree Celsius and let the probability density function of $X$ be $f(x) = 0.01$ for $0 \leq X \leq 100$ . The mean of $X$ is _____
(A)	2.5
(B)	5.0
(C)	25.0
(D)	50.0



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Q.9



The number of students passing or failing in an exam for a particular subject are presented in the bar chart above. Students who pass the exam cannot appear for the exam again. Students who fail the exam in the first attempt must appear for the exam in the following year. Students always pass the exam in their second attempt.

The number of students who took the exam for the first time in the year 2 and the year 3 respectively, are \_\_\_\_\_.

- A) 65 and 53  
B) 60 and 50  
C) 55 and 53  
D) 55 and 48





## Electrical Engineering (EE)

Q.10	<p>Seven cars P, Q, R, S, T, U and V are parked in a row not necessarily in that order. The cars T and U should be parked next to each other. The cars S and V also should be parked next to each other, whereas P and Q cannot be parked next to each other. Q and S must be parked next to each other. R is parked to the immediate right of V. T is parked to the left of U.</p> <p>Based on the above statements, the only INCORRECT option given below is:</p>
(A)	There are two cars parked in between Q and V.
(B)	Q and R are not parked together.
(C)	V is the only car parked in between S and R.
(D)	Car P is parked at the extreme end.





## Electrical Engineering (EE)

Electrical Engineering (EE)

Q.1 – Q.12 Multiple Choice Question (MCQ), carry ONE mark each (for each wrong answer:  $-1/3$ ).

Q.1	Let $p$ and $q$ be real numbers such that $p^2 + q^2 = 1$ . The eigenvalues of the matrix $\begin{bmatrix} p & q \\ q & -p \end{bmatrix}$ are
(A)	1 and 1
(B)	1 and -1
(C)	$j$ and $-j$
(D)	$pq$ and $-pq$

Q.2	Let $p(z) = z^3 + (1+j)z^2 + (2+j)z + 3$ , where $z$ is a complex number. Which one of the following is true?
(A)	$\text{conjugate}\{p(z)\} = p(\text{conjugate}\{z\})$ for all $z$
(B)	The sum of the roots of $p(z) = 0$ is a real number
(C)	The complex roots of the equation $p(z) = 0$ come in conjugate pairs
(D)	All the roots cannot be real

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**Electrical Engineering (EE)**

<b>Q.3</b>	Let $f(x)$ be a real-valued function such that $f'(x_0)=0$ for some $x_0 \in (0, 1)$ , and $f''(x) > 0$ for all $x \in (0, 1)$ . Then $f(x)$ has
(A)	no local minimum in $(0, 1)$
(B)	one local maximum in $(0, 1)$
(C)	exactly one local minimum in $(0, 1)$
(D)	two distinct local minima in $(0, 1)$

<b>Q.4</b>	For the network shown, the equivalent Thevenin voltage and Thevenin impedance as seen across terminals 'ab' is
(A)	10 V in series with 12 Ω
(B)	65 V in series with 15 Ω
(C)	50 V in series with 2 Ω
(D)	35 V in series with 2 Ω

<b>Q.5</b>	Which one of the following vector functions represents a magnetic field $\vec{B}$ ? ( $\hat{x}$ , $\hat{y}$ , and $\hat{z}$ are unit vectors along x-axis, y-axis, and z-axis, respectively)
(A)	$10x\hat{x} + 20y\hat{y} - 30z\hat{z}$
(B)	$10y\hat{x} + 20x\hat{y} - 10z\hat{z}$
(C)	$10z\hat{x} + 20y\hat{y} - 30x\hat{z}$
(D)	$10x\hat{x} - 30z\hat{y} + 20y\hat{z}$



Q.6	If the input $x(t)$ and output $y(t)$ of a system are related as $y(t) = \max(0, x(t))$ , then the system is
(A)	linear and time-variant
(B)	linear and time-invariant
(C)	non-linear and time-variant
(D)	non-linear and time-invariant

Q.7	Two discrete-time linear time-invariant systems with impulse responses $h_1[n] = \delta[n-1] + \delta[n+1]$ and $h_2[n] = \delta[n] + \delta[n-1]$ are connected in cascade, where $\delta[n]$ is the Kronecker delta. The impulse response of the cascaded system is
(A)	$\delta[n-2] + \delta[n+1]$
(B)	$\delta[n-1]\delta[n] + \delta[n+1]\delta[n-1]$
(C)	$\delta[n-2] + \delta[n-1] + \delta[n] + \delta[n+1]$
(D)	$\delta[n]\delta[n-1] + \delta[n-2]\delta[n+1]$

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**Electrical Engineering (EE)**

**Q.8** Consider the table given:

Constructional feature	Machine type	Mitigation
(P) Damper bars	(S) Induction motor	(X) Hunting
(Q) Skewed rotor slots	(T) Transformer	(Y) Magnetic locking
(R) Compensating winding	(U) Synchronous machine	(Z) Armature reaction
	(V) DC machine	

The correct combination that relates the constructional feature, machine type and mitigation is

(A) P-V-X, Q-U-Z, R-T-Y  
 (B) P-U-X, Q-S-Y, R-V-Z  
 (C) P-T-Y, Q-V-Z, R-S-X  
 (D) P-U-X, Q-V-Y, R-T-Z

**Q.9** Consider a power system consisting of  $N$  number of buses. Buses in this power system are categorized into slack bus, PV buses and PQ buses for load flow study. The number of PQ buses is  $N_L$ . The balanced Newton-Raphson method is used to carry out load flow study in polar form.  $H$ ,  $S$ ,  $M$ , and  $R$  are sub-matrices of the Jacobian matrix  $J$  as shown below:

$$\begin{bmatrix} \Delta P \\ \Delta Q \end{bmatrix} = J \begin{bmatrix} \Delta \delta \\ \Delta V \end{bmatrix}, \text{ where } J = \begin{bmatrix} H & S \\ M & R \end{bmatrix}$$

The dimension of the sub-matrix  $M$  is

(A)  $N_L \times (N-1)$   
 (B)  $(N-1) \times (N-1-N_L)$   
 (C)  $N_L \times (N-1+N_L)$   
 (D)  $(N-1) \times (N-1+N_L)$





**Electrical Engineering (EE)**

<p><b>Q.10</b></p>	<p>Two generators have cost functions <math>F_1</math> and <math>F_2</math>. Their incremental-cost characteristics are</p> $\frac{dF_1}{dP_1} = 40 + 0.2P_1$ $\frac{dF_2}{dP_2} = 32 + 0.4P_2$ <p>They need to deliver a combined load of 260 MW. Ignoring the network losses, for economic operation, the generations <math>P_1</math> and <math>P_2</math> (in MW) are</p>
(A)	$P_1 = P_2 = 130$
(B)	$P_1 = 160, P_2 = 100$
(C)	$P_1 = 140, P_2 = 120$
(D)	$P_1 = 120, P_2 = 140$

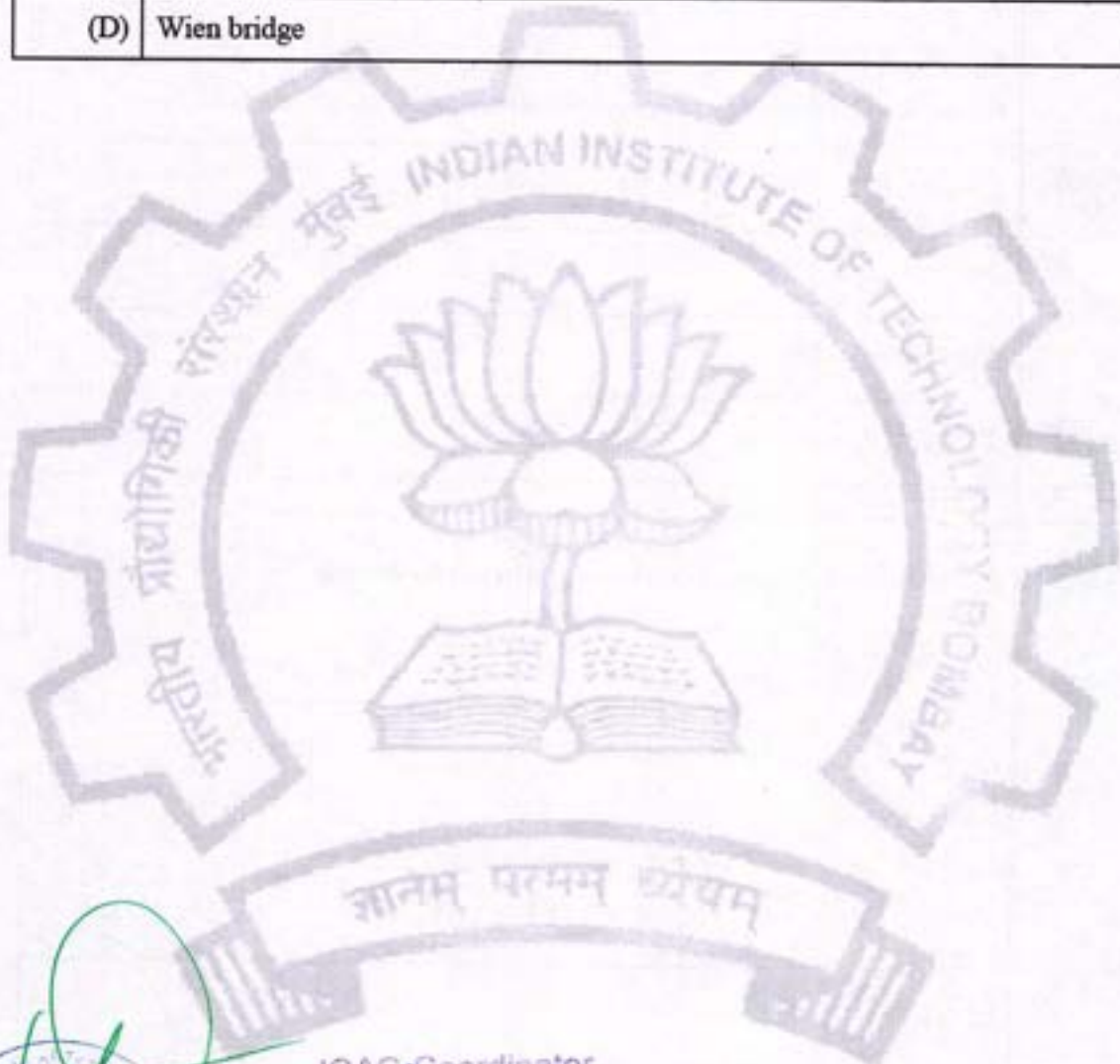
<p><b>Q.11</b></p>	<p>For the closed-loop system shown, the transfer function <math>\frac{E(s)}{R(s)}</math> is</p>
(A)	$\frac{G}{1+GH}$
(B)	$\frac{GH}{1+GH}$
(C)	$\frac{1}{1+GH}$
(D)	$\frac{1}{1+G}$





## Electrical Engineering (EE)

Q.12	Inductance is measured by
(A)	Schering bridge
(B)	Maxwell bridge
(C)	Kelvin bridge
(D)	Wien bridge



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Q.13 – Q.25 Numerical Answer Type (NAT), carry ONE mark each (no negative marks).

Q.13 Suppose the circles  $x^2 + y^2 = 1$  and  $(x-1)^2 + (y-1)^2 = r^2$  intersect each other orthogonally at the point  $(u, v)$ . Then  $u + v = \underline{\hspace{2cm}}$ .

Q.14 In the given circuit, the value of capacitor C that makes current  $I=0$  is  $\underline{\hspace{2cm}}$   $\mu\text{F}$ .

Q.15 Two single-core power cables have total conductor resistances of  $0.7 \Omega$  and  $0.5 \Omega$ , respectively, and their insulation resistances (between core and sheath) are  $600 \text{ M}\Omega$  and  $900 \text{ M}\Omega$ , respectively. When the two cables are joined in series, the ratio of insulation resistance to conductor resistance is  $\underline{\hspace{2cm}}$   $\times 10^6$ .

Q.16 In the given circuit, for voltage  $V_y$  to be zero, the value of  $\beta$  should be  $\underline{\hspace{2cm}}$ . (Round off to 2 decimal places).





**Electrical Engineering (EE)**

**Q.17** A  $1 \mu\text{C}$  point charge is held at the origin of a cartesian coordinate system. If a second point charge of  $10 \mu\text{C}$  is moved from  $(0, 10, 0)$  to  $(5, 5, 5)$  and subsequently to  $(5, 0, 0)$ , then the total work done is \_\_\_\_ mJ. (Round off to 2 decimal places).

Take  $\frac{1}{4\pi\epsilon_0} = 9 \times 10^9$  in SI units. All coordinates are in meters.

**Q.18** The power input to a 500 V, 50 Hz, 6-pole, 3-phase induction motor running at 975 RPM is 40 kW. The total stator losses are 1 kW. If the total friction and windage losses are 2.025 kW, then the efficiency is \_\_\_\_ %.

**Q.19** An alternator with internal voltage of  $1 \angle \delta_1$  p.u and synchronous reactance of 0.4 p.u is connected by a transmission line of reactance 0.1 p.u to a synchronous motor having synchronous reactance 0.35 p.u and internal voltage of  $0.85 \angle \delta_2$  p.u. If the real power supplied by the alternator is 0.866 p.u, then  $(\delta_1 - \delta_2)$  is \_\_\_\_ degrees. (Round off to 2 decimal places.)

(Machines are of non-salient type. Neglect resistances.)

**Q.20** The Bode magnitude plot for the transfer function  $\frac{V_o(s)}{V_i(s)}$  of the circuit is as shown. The value of R is \_\_\_\_  $\Omega$ . (Round off to 2 decimal places.)



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## Electrical Engineering (EE)

Q.21

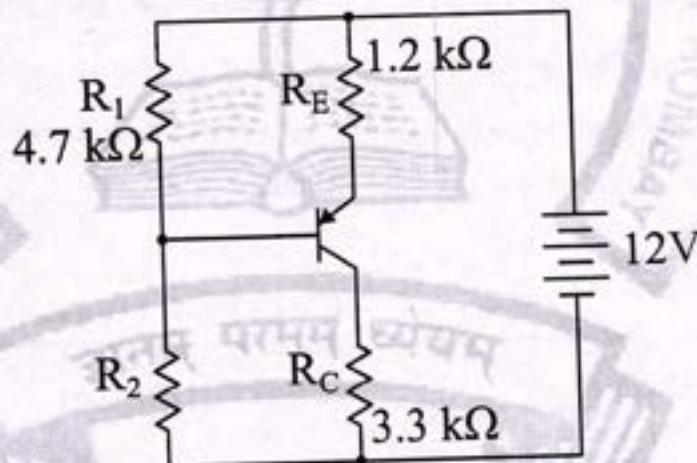
A signal generator having a source resistance of  $50\ \Omega$  is set to generate a  $1\ \text{kHz}$  sinewave. Open circuit terminal voltage is  $10\ \text{V}$  peak-to-peak. Connecting a capacitor across the terminals reduces the voltage to  $8\ \text{V}$  peak-to-peak. The value of this capacitor is \_\_\_\_\_  $\mu\text{F}$ . (Round off to 2 decimal places.)

Q.22

A 16-bit synchronous binary up-counter is clocked with a frequency  $f_{\text{CLK}}$ . The two most significant bits are OR-ed together to form an output Y. Measurements show that Y is periodic, and the duration for which Y remains high in each period is  $24\ \text{ms}$ . The clock frequency  $f_{\text{CLK}}$  is \_\_\_\_\_ MHz. (Round off to 2 decimal places.)

Q.23

In the BJT circuit shown, beta of the PNP transistor is 100. Assume  $V_{\text{BE}} = -0.7\ \text{V}$ . The voltage across  $R_C$  will be  $5\ \text{V}$  when  $R_2$  is \_\_\_\_\_  $\text{k}\Omega$ . (Round off to 2 decimal places.)



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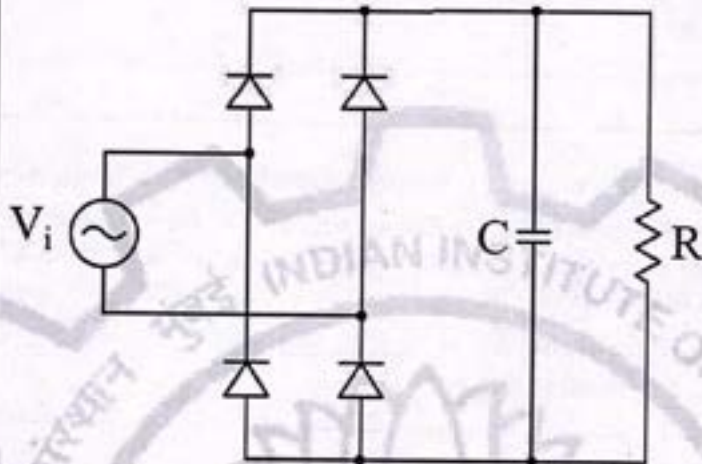




**Electrical Engineering (EE)**

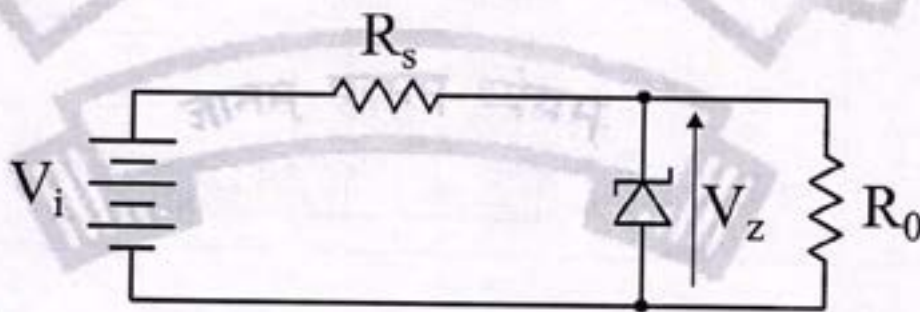
**Q.24**

In the circuit shown, the input  $V_i$  is a sinusoidal AC voltage having an RMS value of  $230\text{ V} \pm 20\%$ . The worst-case peak-inverse voltage seen across any diode is \_\_\_\_\_ V. (Round off to 2 decimal places.)



**Q.25**

In the circuit shown, a 5 V Zener diode is used to regulate the voltage across load  $R_0$ . The input is an unregulated DC voltage with a minimum value of 6 V and a maximum value of 8 V. The value of  $R_s$  is  $6\ \Omega$ . The Zener diode has a maximum rated power dissipation of 2.5 W. Assuming the Zener diode to be ideal, the minimum value of  $R_0$  is \_\_\_\_\_  $\Omega$ .



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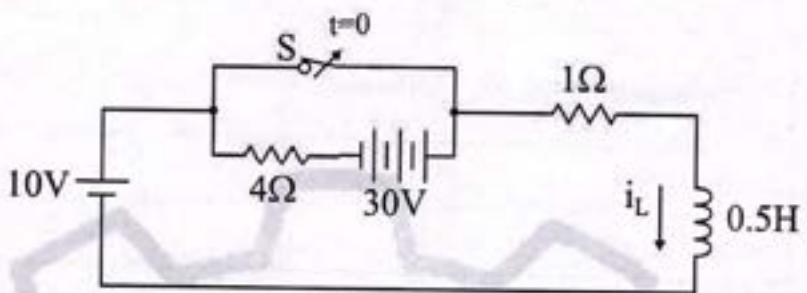
Q.26 – Q.37 Multiple Choice Question (MCQ), carry TWO mark each (for each wrong answer: – 2/3).

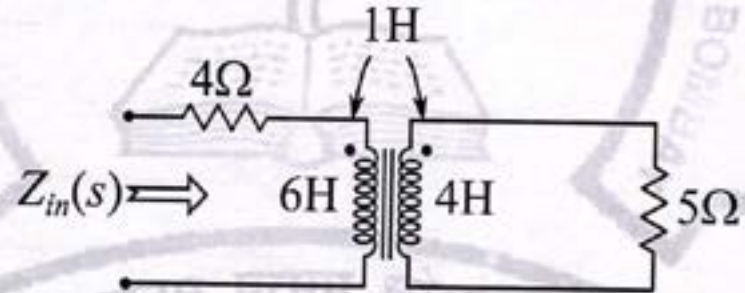
Q.26	In the open interval $(0, 1)$ , the polynomial $p(x) = x^4 - 4x^3 + 2$ has
(A)	two real roots
(B)	one real root
(C)	three real roots
(D)	no real roots

Q.27	Suppose the probability that a coin toss shows "head" is $p$ , where $0 < p < 1$ . The coin is tossed repeatedly until the first "head" appears. The expected number of tosses required is
(A)	$p/(1-p)$
(B)	$(1-p)/p$
(C)	$1/p$
(D)	$1/p^2$

Q.28	Let $(-1-j)$ , $(3-j)$ , $(3+j)$ and $(-1+j)$ be the vertices of a rectangle $C$ in the complex plane. Assuming that $C$ is traversed in counter-clockwise direction, the value of the contour integral $\oint_C \frac{dz}{z^2(z-4)}$ is
(A)	$j\pi/2$
(B)	0
(C)	$-j\pi/8$
(D)	$j\pi/16$

**Electrical Engineering (EE)**

<p><b>Q.29</b></p>	<p>In the circuit, switch 'S' is in the closed position for a very long time. If the switch is opened at time <math>t = 0</math>, then <math>i_L(t)</math> in amperes, for <math>t \geq 0</math> is</p> 
(A)	$8e^{-10t}$
(B)	10
(C)	$8+2e^{-10t}$
(D)	$10(1-e^{-2t})$

<p><b>Q.30</b></p>	<p>The input impedance, <math>Z_{in}(s)</math>, for the network shown is</p> 
(A)	$\frac{23s^2 + 46s + 20}{4s + 5}$
(B)	$6s + 4$
(C)	$7s + 4$
(D)	$\frac{25s^2 + 46s + 20}{4s + 5}$



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Q.31	The causal signal with z-transform $z^2(z-a)^{-2}$ is ( $u[n]$ is the unit step signal)
(A)	$a^{2n}u[n]$
(B)	$(n+1)a^n u[n]$
(C)	$n^{-1}a^n u[n]$
(D)	$n^2 a^n u[n]$

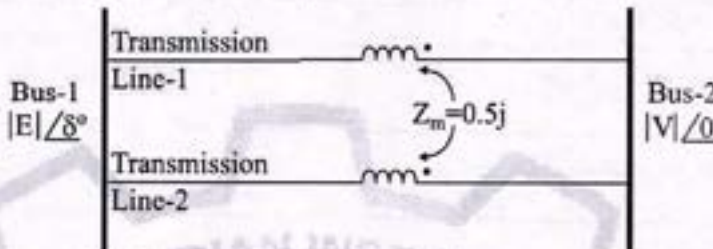
Q.32	Let $f(t)$ be an even function, i.e. $f(-t) = f(t)$ for all $t$ . Let the Fourier transform of $f(t)$ be defined as $F(\omega) = \int_{-\infty}^{\infty} f(t)e^{-j\omega t} dt$ . Suppose $\frac{dF(\omega)}{d\omega} = -\omega F(\omega)$ for all $\omega$ , and $F(0) = 1$ . Then
(A)	$f(0) < 1$
(B)	$f(0) > 1$
(C)	$f(0) = 1$
(D)	$f(0) = 0$

Q.33	In a single-phase transformer, the total iron loss is 2500 W at nominal voltage of 440 V and frequency 50 Hz. The total iron loss is 850 W at 220 V and 25 Hz. Then, at nominal voltage and frequency, the hysteresis loss and eddy current loss respectively are
(A)	1600 W and 900 W
(B)	900 W and 1600 W
(C)	250 W and 600 W
(D)	600 W and 250 W





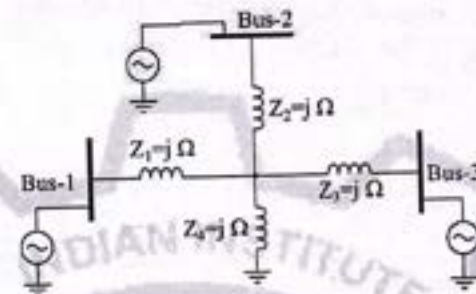
**Electrical Engineering (EE)**

<p><b>Q.34</b></p>	<p>In the figure shown, self-impedances of the two transmission lines are <math>1.5j</math> p.u each, and <math>Z_m = 0.5j</math> p.u is the mutual impedance. Bus voltages shown in the figure are in p.u. Given that <math>\delta &gt; 0</math>, the maximum steady-state real power that can be transferred in p.u from Bus-1 to Bus-2 is</p> 
<p>(A)</p>	<p><math> E  V </math></p>
<p>(B)</p>	<p><math>\frac{ E  V }{2}</math></p>
<p>(C)</p>	<p><math>2 E  V </math></p>
<p>(D)</p>	<p><math>\frac{3 E  V }{2}</math></p>



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<p><b>Q.35</b></p>	<p>A 3-Bus network is shown. Consider generators as ideal voltage sources. If rows 1, 2 and 3 of the <math>Y_{Bus}</math> matrix correspond to Bus 1, 2 and 3, respectively, then <math>Y_{Bus}</math> of the network is</p> 	
<p>(A) <math>\begin{bmatrix} -4j &amp; j &amp; j \\ j &amp; -4j &amp; j \\ j &amp; j &amp; -4j \end{bmatrix}</math></p>	<p>(B) <math>\begin{bmatrix} -4j &amp; 2j &amp; 2j \\ 2j &amp; -4j &amp; 2j \\ 2j &amp; 2j &amp; -4j \end{bmatrix}</math></p>	
<p>(C) <math>\begin{bmatrix} -\frac{3}{4}j &amp; \frac{1}{4}j &amp; \frac{1}{4}j \\ \frac{1}{4}j &amp; -\frac{3}{4}j &amp; \frac{1}{4}j \\ \frac{1}{4}j &amp; \frac{1}{4}j &amp; -\frac{3}{4}j \end{bmatrix}</math></p>	<p>(D) <math>\begin{bmatrix} -\frac{1}{2}j &amp; \frac{1}{4}j &amp; \frac{1}{4}j \\ \frac{1}{4}j &amp; -\frac{1}{2}j &amp; \frac{1}{4}j \\ \frac{1}{4}j &amp; \frac{1}{4}j &amp; -\frac{1}{2}j \end{bmatrix}</math></p>	

<p><b>Q.36</b></p>	<p>Suppose <math>I_A</math>, <math>I_B</math> and <math>I_C</math> are a set of unbalanced current phasors in a three-phase system. The phase-B zero-sequence current <math>I_{B0} = 0.1\angle 0^\circ</math> p.u. If phase-A current <math>I_A = 1.1\angle 0^\circ</math> p.u and phase-C current <math>I_C = (1\angle 120^\circ + 0.1)</math> p.u, then <math>I_B</math> in p.u is</p>
<p>(A) <math>1\angle 240^\circ - 0.1\angle 0^\circ</math></p>	
<p>(B) <math>1.1\angle 240^\circ - 0.1\angle 0^\circ</math></p>	
<p>(C) <math>1.1\angle -120^\circ + 0.1\angle 0^\circ</math></p>	
<p>(D) <math>1\angle -120^\circ + 0.1\angle 0^\circ</math></p>	





## Electrical Engineering (EE)

Q.37	A counter is constructed with three D flip-flops. The input-output pairs are named $(D_0, Q_0)$ , $(D_1, Q_1)$ , and $(D_2, Q_2)$ , where the subscript 0 denotes the least significant bit. The output sequence is desired to be the Gray-code sequence 000, 001, 011, 010, 110, 111, 101, and 100, repeating periodically. Note that the bits are listed in the $Q_2 Q_1 Q_0$ format. The combinational logic expression for $D_1$ is
(A)	$Q_2 Q_1 Q_0$
(B)	$Q_2 Q_0 + Q_1 \bar{Q}_0$
(C)	$\bar{Q}_2 Q_0 + Q_1 \bar{Q}_0$
(D)	$Q_2 Q_1 + \bar{Q}_2 \bar{Q}_1$



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**Electrical Engineering (EE)**

Q.38 – Q.55 Numerical Answer Type (NAT), carry TWO mark each (no negative marks).

Q.38 Let  $A$  be a  $10 \times 10$  matrix such that  $A^5$  is a null matrix, and let  $I$  be the  $10 \times 10$  identity matrix. The determinant of  $A + I$  is \_\_\_\_\_.

Q.39 A three-phase balanced voltage is applied to the load shown. The phase sequence is RYB. The ratio  $\frac{|I_B|}{|I_R|}$  is \_\_\_\_\_.

Q.40 In the given circuit, for maximum power to be delivered to  $R_L$ , its value should be \_\_\_\_\_  $\Omega$ .  
(Round off to 2 decimal places.)





## Electrical Engineering (EE)

- Q.41 One coulomb of point charge moving with a uniform velocity  $10 \hat{x}$  m/s enters the region  $x \geq 0$  having a magnetic flux density  $\vec{B} = (10y\hat{x} + 10x\hat{y} + 10\hat{z})$  T. The magnitude of force on the charge at  $x = 0^+$  is \_\_\_\_\_ N.  
( $\hat{x}$ ,  $\hat{y}$ , and  $\hat{z}$  are unit vectors along x-axis, y-axis, and z-axis, respectively.)
- Q.42 Consider a large parallel plate capacitor. The gap  $d$  between the two plates is filled entirely with a dielectric slab of relative permittivity 5. The plates are initially charged to a potential difference of  $V$  volts and then disconnected from the source. If the dielectric slab is pulled out completely, then the ratio of the new electric field  $E_2$  in the gap to the original electric field  $E_1$  is \_\_\_\_\_.
- Q.43 Consider a continuous-time signal  $x(t)$  defined by  $x(t) = 0$  for  $|t| > 1$ , and  $x(t) = 1 - |t|$  for  $|t| \leq 1$ . Let the Fourier transform of  $x(t)$  be defined as  $X(\omega) = \int_{-\infty}^{\infty} x(t)e^{-j\omega t} dt$ . The maximum magnitude of  $X(\omega)$  is \_\_\_\_\_.
- Q.44 A belt-driven DC shunt generator running at 300 RPM delivers 100 kW to a 200 V DC grid. It continues to run as a motor when the belt breaks, taking 10 kW from the DC grid. The armature resistance is  $0.025 \Omega$ , field resistance is  $50 \Omega$ , and brush drop is 2 V. Ignoring armature reaction, the speed of the motor is \_\_\_\_\_ RPM. (Round off to 2 decimal places.)



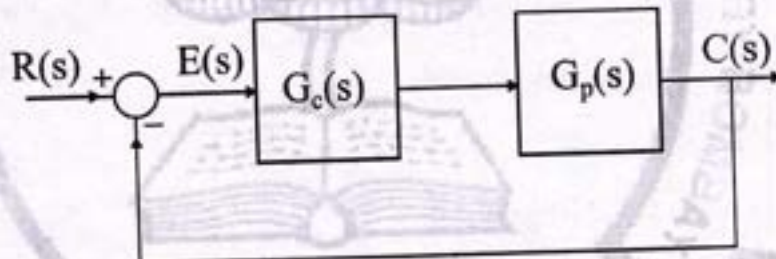
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Q.45

An 8-pole, 50 Hz, three-phase, slip-ring induction motor has an effective rotor resistance of  $0.08 \Omega$  per phase. Its speed at maximum torque is 650 RPM. The additional resistance per phase that must be inserted in the rotor to achieve maximum torque at start is \_\_\_\_\_  $\Omega$ . (Round off to 2 decimal places.) Neglect magnetizing current and stator leakage impedance. Consider equivalent circuit parameters referred to stator.

Q.46

Consider a closed-loop system as shown.  $G_p(s) = \frac{14.4}{s(1+0.1s)}$  is the plant transfer function and  $G_c(s) = 1$  is the compensator. For a unit-step input, the output response has damped oscillations. The damped natural frequency is \_\_\_\_\_ rad/s. (Round off to 2 decimal places.)



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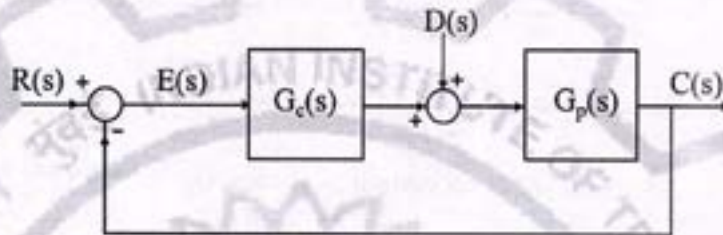




**Electrical Engineering (EE)**

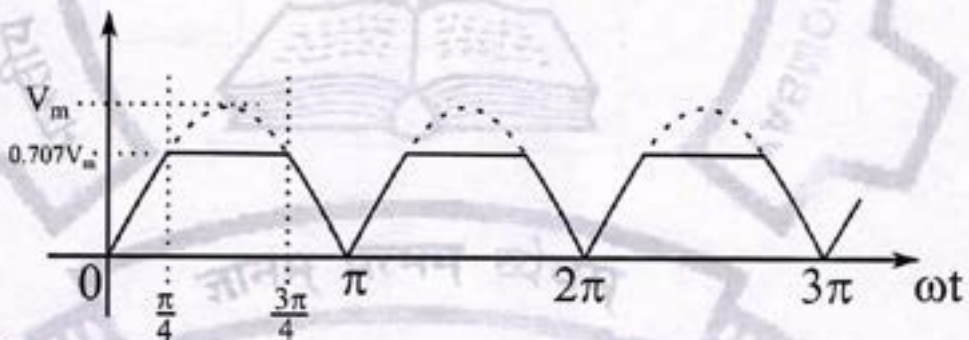
**Q.47**

In the given figure, plant  $G_p(s) = \frac{2.2}{(1+0.1s)(1+0.4s)(1+1.2s)}$  and compensator  $G_c(s) = K \left( \frac{1+T_1s}{1+T_2s} \right)$ . The external disturbance input is  $D(s)$ . It is desired that when the disturbance is a unit step, the steady-state error should not exceed 0.1 unit. The minimum value of  $K$  is \_\_\_\_\_. (Round off to 2 decimal places.)



**Q.48**

The waveform shown in solid line is obtained by clipping a full-wave rectified sinusoid (shown dashed). The ratio of the RMS value of the full-wave rectified waveform to the RMS value of the clipped waveform is \_\_\_\_\_. (Round off to 2 decimal places.)



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Q.49

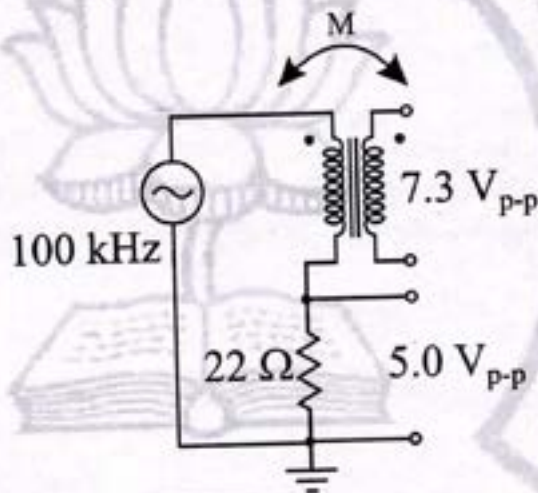
The state space representation of a first-order system is given as

$$\begin{aligned} \dot{x} &= -x + u \\ y &= x \end{aligned}$$

where,  $x$  is the state variable,  $u$  is the control input and  $y$  is the controlled output. Let  $u = -Kx$  be the control law, where  $K$  is the controller gain. To place a closed-loop pole at  $-2$ , the value of  $K$  is \_\_\_\_\_.

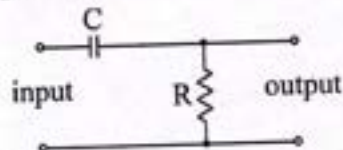
Q.50

An air-core radio-frequency transformer as shown has a primary winding and a secondary winding. The mutual inductance  $M$  between the windings of the transformer is \_\_\_\_\_  $\mu\text{H}$ .  
(Round off to 2 decimal places.)



Q.51

A 100 Hz square wave, switching between 0 V and 5 V, is applied to a CR high-pass filter circuit as shown. The output voltage waveform across the resistor is 6.2 V peak-to-peak. If the resistance  $R$  is 820  $\Omega$ , then the value  $C$  is \_\_\_\_\_  $\mu\text{F}$ .  
(Round off to 2 decimal places.)

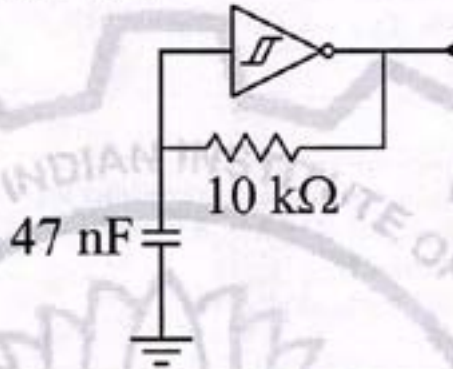




**Electrical Engineering (EE)**

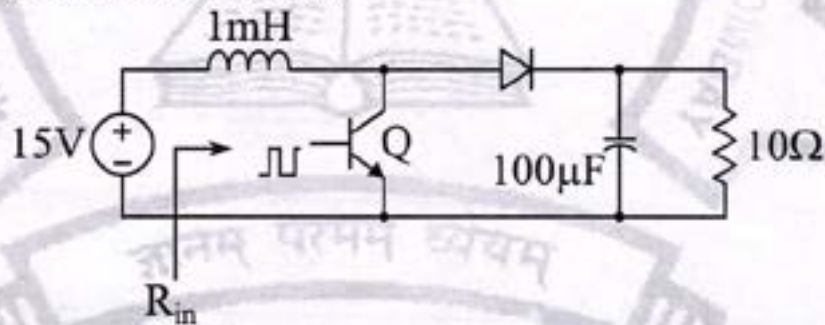
**Q.52**

A CMOS Schmitt-trigger inverter has a low output level of 0 V and a high output level of 5 V. It has input thresholds of 1.6 V and 2.4 V. The input capacitance and output resistance of the Schmitt-trigger are negligible. The frequency of the oscillator shown is \_\_\_\_\_ Hz.  
(Round off to 2 decimal places.)



**Q.53**

Consider the boost converter shown. Switch Q is operating at 25 kHz with a duty cycle of 0.6. Assume the diode and switch to be ideal. Under steady-state condition, the average resistance  $R_{in}$  as seen by the source is \_\_\_\_\_  $\Omega$ .  
(Round off to 2 decimal places.)



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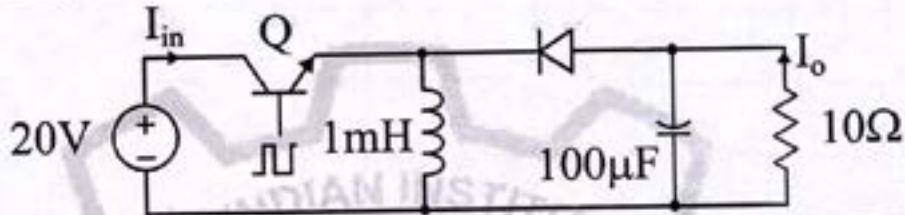




**Electrical Engineering (EE)**

**Q.54**

Consider the buck-boost converter shown. Switch Q is operating at 25 kHz and 0.75 duty-cycle. Assume diode and switch to be ideal. Under steady-state condition, the average current flowing through the inductor is \_\_\_\_\_ A.

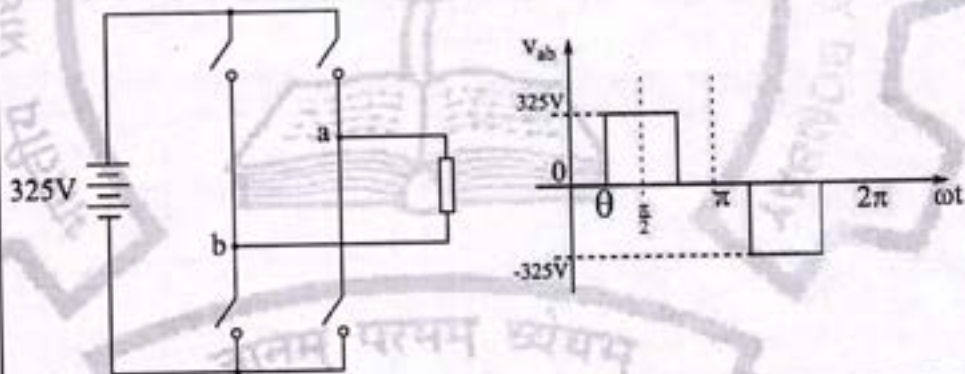


**Q.55**

A single-phase full-bridge inverter fed by a 325 V DC produces a symmetric quasi-square waveform across 'ab' as shown. To achieve a modulation index of 0.8, the angle  $\theta$  expressed in degrees should be \_\_\_\_\_.

(Round off to 2 decimal places.)

(Modulation index is defined as the ratio of the peak of the fundamental component of  $V_{ab}$  to the applied DC value.)



**END OF THE QUESTION PAPER**

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GATE 2021 Answer Key for Electrical Engineering (EE)

Graduate Aptitude Test in Engineering (GATE 2021)

Subject/Paper: Electrical Engineering (EE)

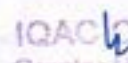
Q. No.	Session	Question Type MCQ/MSQ/NAT	Section Name	Answer Key/Range	Marks	Negative Marks
1	3	MCQ	GA	C	1	1/3
2	3	MCQ	GA	C	1	1/3
3	3	MCQ	GA	D	1	1/3
4	3	MCQ	GA	D	1	1/3
5	3	MCQ	GA	C	1	1/3
6	3	MCQ	GA	D	2	2/3
7	3	MCQ	GA	C	2	2/3
8	3	MCQ	GA	D	2	2/3
9	3	MCQ	GA	D	2	2/3
10	3	MCQ	GA	A	2	2/3
1	3	MCQ	EE	B	1	1/3
2	3	MCQ	EE	D	1	1/3
3	3	MCQ	EE	C	1	1/3
4	3	MCQ	EE	B	1	1/3
5	3	MCQ	EE	A	1	1/3
6	3	MCQ	EE	D	1	1/3
7	3	MCQ	EE	C	1	1/3
8	3	MCQ	EE	B	1	1/3
9	3	MCQ	EE	A	1	1/3
10	3	MCQ	EE	B	1	1/3



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Q. No.	Session	Question Type MCQ/MSQ/NAT	Section Name	Answer Key/Range	Marks	Negative Marks
11	3	MCQ	EE	C	1	1/3
12	3	MCQ	EE	B	1	1/3
13	3	NAT	EE	1 to 1	1	0
14	3	NAT	EE	20.00 to 20.00	1	0
15	3	NAT	EE	300 to 300	1	0
16	3	NAT	EE	-3.30 to -3.20	1	0
17	3	NAT	EE	8.90 to 9.10	1	0
18	3	NAT	EE	89.50 to 90.50	1	0
19	3	NAT	EE	59.00 to 61.00	1	0
20	3	NAT	EE	0.09 to 0.11	1	0
21	3	NAT	EE	2.30 to 2.50	1	0
22	3	NAT	EE	2.00 to 2.10	1	0
23	3	NAT	EE	16.70 to 17.70	1	0
24	3	NAT	EE	389 to 391	1	0
25	3	NAT	EE	29.00 to 31.00	1	0
26	3	MCQ	EE	B	2	2/3
27	3	MCQ	EE	C	2	2/3
28	3	MCQ	EE	C	2	2/3
29	3	MCQ	EE	C	2	2/3
30	3	MCQ	EE	A	2	2/3
31	3	MCQ	EE	B	2	2/3
32	3	MCQ	EE	A	2	2/3
33	3	MCQ	EE	B	2	2/3


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Q. No.	Session	Question Type MCQ/MSQ/NAT	Section Name	Answer Key/Range	Marks	Negative Marks
34	3	MCQ	EE	A	2	2/3
35	3	MCQ	EE	C	2	2/3
36	3	MCQ	EE	D	2	2/3
37	3	MCQ	EE	C	2	2/3
38	3	NAT	EE	1 to 1	2	0
39	3	NAT	EE	1 to 1	2	0
40	3	NAT	EE	1.40 to 1.42	2	0
41	3	NAT	EE	100 to 100	2	0
42	3	NAT	EE	5 to 5	2	0
43	3	NAT	EE	1 to 1	2	0
44	3	NAT	EE	273.00 to 277.00	2	0
45	3	NAT	EE	0.50 to 0.54	2	0
46	3	NAT	EE	10.80 to 11.00	2	0
47	3	NAT	EE	9.50 to 9.60	2	0
48	3	NAT	EE	1.20 to 1.23	2	0
49	3	NAT	EE	1 to 1	2	0
50	3	NAT	EE	50.00 to 52.00	2	0
51	3	NAT	EE	12.30 to 12.60	2	0
52	3	NAT	EE	3150.00 to 3170.00	2	0
53	3	NAT	EE	1.55 to 1.65	2	0
54	3	NAT	EE	24 to 24	2	0
55	3	NAT	EE	50.00 to 52.00	2	0



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**GATE 2022 General Aptitude (GA)****Q.1 – Q.5 Carry ONE mark each.**

Q.1	As you grow older, an injury to your _____ may take longer to _____.
(A)	heel / heel
(B)	heal / heel
(C)	heal / heal
(D)	heel / heal

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Q.2	In a 500 m race, P and Q have speeds in the ratio of 3 : 4. Q starts the race when P has already covered 140 m.  What is the distance between P and Q (in m) when P wins the race?
(A)	20
(B)	40
(C)	60
(D)	140



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Q.3	Three bells P, Q, and R are rung periodically in a school. P is rung every 20 minutes; Q is rung every 30 minutes and R is rung every 50 minutes.  If all the three bells are rung at 12:00 PM, when will the three bells ring together again the next time?
(A)	5:00 PM
(B)	5:30 PM
(C)	6:00 PM
(D)	6:30 PM

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Q.4	<p>Given below are two statements and four conclusions drawn based on the statements.</p> <p>Statement 1: Some bottles are cups.</p> <p>Statement 2: All cups are knives.</p> <p>Conclusion I: Some bottles are knives.</p> <p>Conclusion II: Some knives are cups.</p> <p>Conclusion III: All cups are bottles.</p> <p>Conclusion IV: All knives are cups.</p> <p>Which one of the following options can be logically inferred?</p>
(A)	Only conclusion I and conclusion II are correct
(B)	Only conclusion II and conclusion III are correct
(C)	Only conclusion II and conclusion IV are correct
(D)	Only conclusion III and conclusion IV are correct



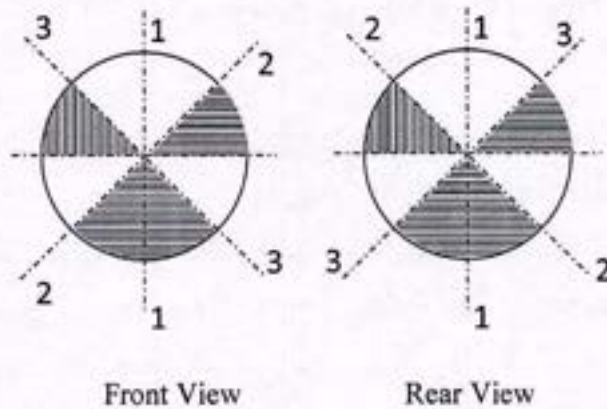
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Q.5

The figure below shows the front and rear view of a disc, which is shaded with identical patterns. The disc is flipped once with respect to any one of the fixed axes 1-1, 2-2 or 3-3 chosen uniformly at random.

What is the probability that the disc **DOES NOT** retain the same front and rear views after the flipping operation?



(A) 0

(B)  $\frac{1}{3}$ (C)  $\frac{2}{3}$ 

(D) 1



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Q. 6 – Q. 10 Carry TWO marks each.

Q.6	<p>Altruism is the human concern for the wellbeing of others. Altruism has been shown to be motivated more by social bonding, familiarity and identification of belongingness to a group. The notion that altruism may be attributed to empathy or guilt has now been rejected.</p> <p>Which one of the following is the CORRECT logical inference based on the information in the above passage?</p>
(A)	Humans engage in altruism due to guilt but not empathy
(B)	Humans engage in altruism due to empathy but not guilt
(C)	Humans engage in altruism due to group identification but not empathy
(D)	Humans engage in altruism due to empathy but not familiarity



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Q.7	<p>There are two identical dice with a single letter on each of the faces. The following six letters: Q, R, S, T, U, and V, one on each of the faces. Any of the six outcomes are equally likely.</p> <p>The two dice are thrown once independently at random.</p> <p>What is the probability that the outcomes on the dice were composed only of any combination of the following possible outcomes: Q, U and V?</p>
(A)	$\frac{1}{4}$
(B)	$\frac{3}{4}$
(C)	$\frac{1}{6}$
(D)	$\frac{5}{36}$

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Q.8	<p>The price of an item is 10% cheaper in an online store S compared to the price at another online store M. Store S charges ₹ 150 for delivery. There are no delivery charges for orders from the store M. A person bought the item from the store S and saved ₹ 100.</p> <p>What is the price of the item at the online store S (in ₹) if there are no other charges than what is described above?</p>
(A)	2500
(B)	2250
(C)	1750
(D)	1500

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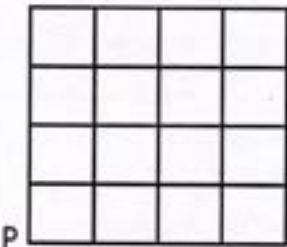

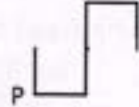
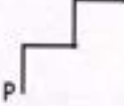



Q.9	<p>The letters P, Q, R, S, T and U are to be placed one per vertex on a regular convex hexagon, but not necessarily in the same order.</p> <p>Consider the following statements:</p> <ul style="list-style-type: none"><li>• The line segment joining R and S is longer than the line segment joining P and Q.</li><li>• The line segment joining R and S is perpendicular to the line segment joining P and Q.</li><li>• The line segment joining R and U is parallel to the line segment joining T and Q.</li></ul> <p>Based on the above statements, which one of the following options is CORRECT?</p>
(A)	The line segment joining R and T is parallel to the line segment joining Q and S
(B)	The line segment joining T and Q is parallel to the line joining P and U
(C)	The line segment joining R and P is perpendicular to the line segment joining U and Q
(D)	The line segment joining Q and S is perpendicular to the line segment joining R and P



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<p>Q.10</p>	<div style="text-align: center;">  </div> <p>An ant is at the bottom-left corner of a grid (point P) as shown above. It aims to move to the top-right corner of the grid. The ant moves only along the lines marked in the grid such that the current distance to the top-right corner strictly decreases.</p> <p>Which one of the following is a part of a possible trajectory of the ant during the movement?</p>
<p>(A)</p>	
<p>(B)</p>	
<p>(C)</p>	
<p>(D)</p>	



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Q.11 – Q.35 Carry ONE mark Each

Q.11 The transfer function of a real system,  $H(s)$ , is given as:

$$H(s) = \frac{As+B}{s^2+Cs+D}$$

where  $A, B, C$  and  $D$  are positive constants. This system cannot operate as

- (A) low pass filter.
- (B) high pass filter.
- (C) band pass filter.
- (D) an integrator.

Q.12 For an ideal MOSFET biased in saturation, the magnitude of the small signal current gain for a common drain amplifier is

- (A) 0
- (B) 1
- (C) 100
- (D) infinite



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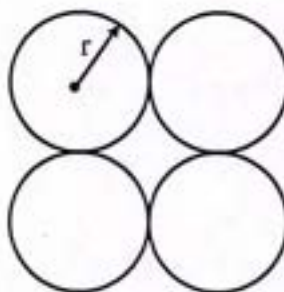


## GATE 2022 Electrical Engineering (EE)

Q.13 The most commonly used relay, for the protection of an alternator against loss of excitation, is

- (A) offset Mho relay.
- (B) over current relay.
- (C) differential relay.
- (D) Buchholz relay.

Q.14 The geometric mean radius of a conductor, having four equal strands with each strand of radius ' $r$ ', as shown in the figure below, is



- (A)  $4r$
- (B)  $1.414r$
- (C)  $2r$
- (D)  $1.723r$



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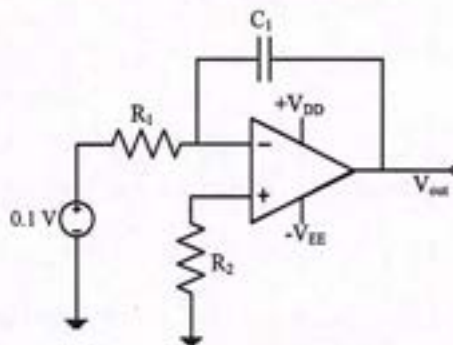


## GATE 2022 Electrical Engineering (EE)

Q.15 The valid positive, negative and zero sequence impedances (in p.u.), respectively, for a 220 kV, fully transposed three-phase transmission line, from the given choices are

- (A) 1.1, 0.15 and 0.08
- (B) 0.15, 0.15 and 0.35
- (C) 0.2, 0.2 and 0.2
- (D) 0.1, 0.3 and 0.1

Q.16 The steady state output ( $V_{out}$ ), of the circuit shown below, will



- (A) saturate to  $+V_{DD}$
- (B) saturate to  $-V_{EE}$
- (C) become equal to 0.1 V
- (D) become equal to  $-0.1$  V



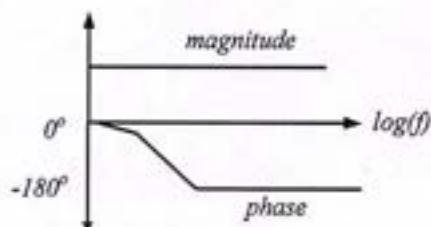
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## GATE 2022 Electrical Engineering (EE)

- Q.17 The Bode magnitude plot of a first order stable system is constant with frequency. The asymptotic value of the high frequency phase, for the system, is  $-180^\circ$ . This system has



- (A) one LHP pole and one RHP zero at the same frequency.  
 (B) one LHP pole and one LHP zero at the same frequency.  
 (C) two LHP poles and one RHP zero.  
 (D) two RHP poles and one LHP zero.

- Q.18 A balanced Wheatstone bridge  $ABCD$  has the following arm resistances:

$$R_{AB} = 1 \text{ k}\Omega \pm 2.1\%; R_{BC} = 100 \Omega \pm 0.5\%; R_{CD} \text{ is an unknown resistance;}$$

$$R_{DA} = 300 \Omega \pm 0.4\%. \text{ The value of } R_{CD} \text{ and its accuracy is}$$

- (A)  $30 \Omega \pm 3 \Omega$   
 (B)  $30 \Omega \pm 0.9 \Omega$   
 (C)  $3000 \Omega \pm 90 \Omega$   
 (D)  $3000 \Omega \pm 3 \Omega$



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## GATE 2022 Electrical Engineering (EE)

Q.19 The open loop transfer function of a unity gain negative feedback system is given by

$$G(s) = \frac{k}{s^2 + 4s - 5}. \text{ The range of } k \text{ for which the system is stable, is}$$

- (A)  $k > 3$
- (B)  $k < 3$
- (C)  $k > 5$
- (D)  $k < 5$

Q.20 Consider a  $3 \times 3$  matrix  $A$  whose  $(i, j)$ -th element,  $a_{i,j} = (i - j)^3$ . Then the matrix  $A$  will be

- (A) symmetric.
- (B) skew-symmetric.
- (C) unitary.
- (D) null.

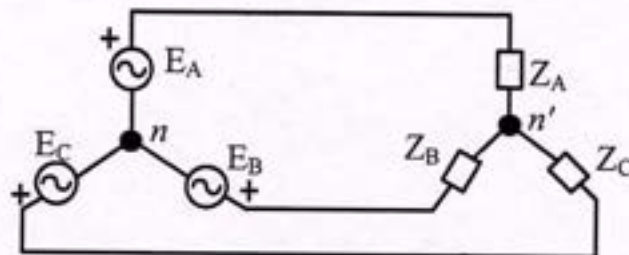


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- Q.21 In the circuit shown below, a three-phase star-connected unbalanced load is connected to a balanced three-phase supply of  $100\sqrt{3} V$  with phase sequence  $ABC$ . The star connected load has  $Z_A = 10 \Omega$  and  $Z_B = 20\angle 60^\circ \Omega$ . The value of  $Z_C$  in  $\Omega$ , for which the voltage difference across the nodes  $n$  and  $n'$  is zero, is



- (A)  $20\angle -30^\circ$   
 (B)  $20\angle 30^\circ$   
 (C)  $20\angle -60^\circ$   
 (D)  $20\angle 60^\circ$

- Q.22 A charger supplies 100 W at 20 V for charging the battery of a laptop. The power devices, used in the converter inside the charger, operate at a switching frequency of 200 kHz. Which power device is best suited for this purpose?

- (A) IGBT  
 (B) Thyristor  
 (C) MOSFET  
 (D) BJT



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Q.23 A long conducting cylinder having a radius 'b' is placed along the z axis. The current density is  $\mathbf{J} = J_a r^3 \hat{z}$  for the region  $r < b$  where r is the distance in the radial direction. The magnetic field intensity ( $\mathbf{H}$ ) for the region inside the conductor (i.e. for  $r < b$ ) is

- (A)  $\frac{J_a}{4} r^4$
- (B)  $\frac{J_a}{3} r^3$
- (C)  $\frac{J_a}{5} r^4$
- (D)  $J_a r^3$

Q.24 The type of single-phase induction motor, expected to have the maximum power factor during steady state running condition, is

- (A) split phase (resistance start).
- (B) shaded pole.
- (C) capacitor start.
- (D) capacitor start, capacitor run.

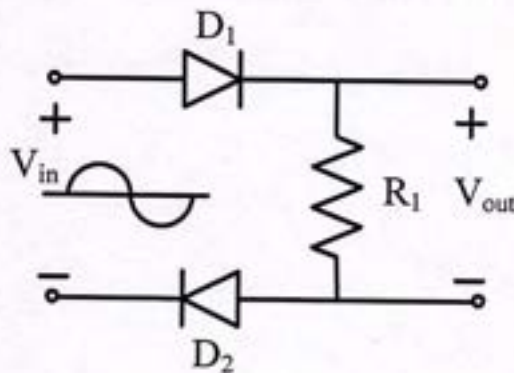


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Q.25 For the circuit shown below with ideal diodes, the output will be



- (A)  $V_{out} = V_{in}$  for  $V_{in} > 0$
- (B)  $V_{out} = V_{in}$  for  $V_{in} < 0$
- (C)  $V_{out} = -V_{in}$  for  $V_{in} > 0$
- (D)  $V_{out} = -V_{in}$  for  $V_{in} < 0$

Q.26 A MOD 2 and a MOD 5 up-counter when cascaded together results in a MOD \_\_\_\_\_ counter. (in integer)

Q.27 An inductor having a  $Q$ -factor of 60 is connected in series with a capacitor having a  $Q$ -factor of 240. The overall  $Q$ -factor of the circuit is \_\_\_\_\_. (round off to nearest integer)

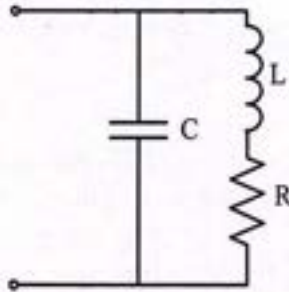


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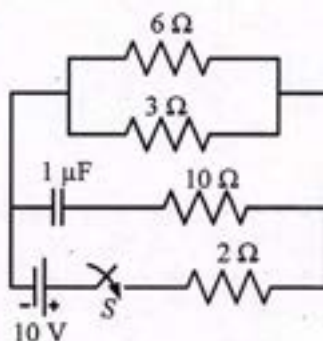
- Q.28 The network shown below has a resonant frequency of 150 kHz and a bandwidth of 600 Hz. The  $Q$ -factor of the network is \_\_\_\_\_. (round off to nearest integer)



- Q.29 The maximum clock frequency in MHz of a 4-stage ripple counter, utilizing flip-flops, with each flip-flop having a propagation delay of 20 ns, is \_\_\_\_\_. (round off to one decimal place)

- Q.30 If only 5% of the supplied power to a cable reaches the output terminal, the power loss in the cable, in decibels, is \_\_\_\_\_. (round off to nearest integer)

- Q.31 In the circuit shown below, the switch  $S$  is closed at  $t = 0$ . The magnitude of the steady state voltage, in volts, across the  $6\ \Omega$  resistor is \_\_\_\_\_. (round off to two decimal places).

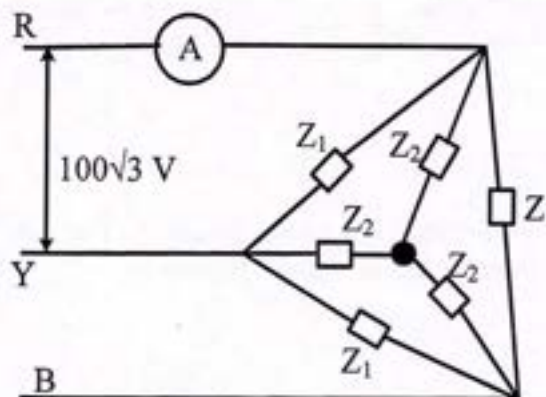


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- Q.32 A single-phase full-bridge diode rectifier feeds a resistive load of  $50 \Omega$  from a  $200 \text{ V}$ ,  $50 \text{ Hz}$  single phase AC supply. If the diodes are ideal, then the active power, in watts, drawn by the load is \_\_\_\_\_. (round off to nearest integer).
- Q.33 The voltage at the input of an AC-DC rectifier is given by  $v(t) = 230\sqrt{2} \sin \omega t$  where  $\omega = 2\pi \times 50 \text{ rad/s}$ . The input current drawn by the rectifier is given by
- $$i(t) = 10 \sin \left( \omega t - \frac{\pi}{3} \right) + 4 \sin \left( 3\omega t - \frac{\pi}{6} \right) + 3 \sin \left( 5\omega t - \frac{\pi}{3} \right).$$
- The input power factor, (rounded off to two decimal places), is, \_\_\_\_\_ lag.
- Q.34 Two balanced three-phase loads, as shown in the figure, are connected to a  $100\sqrt{3} \text{ V}$ , three-phase,  $50 \text{ Hz}$  main supply. Given  $Z_1 = (18 + j24) \Omega$  and  $Z_2 = (6 + j8) \Omega$ . The ammeter reading, in amperes, is \_\_\_\_\_. (round off to nearest integer)



- Q.35 The frequencies of the stator and rotor currents flowing in a three-phase 8-pole induction motor are  $40 \text{ Hz}$  and  $1 \text{ Hz}$ , respectively. The motor speed, in rpm, is \_\_\_\_\_. (round off to nearest integer)



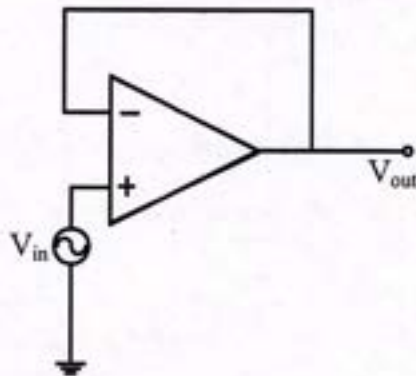
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## Q.36 – Q.65 Carry TWO marks Each

- Q.36 The output impedance of a non-ideal operational amplifier is denoted by  $Z_{out}$ . The variation in the magnitude of  $Z_{out}$  with increasing frequency,  $f$ , in the circuit shown below, is best represented by



- (A)
- (B)
- (C)



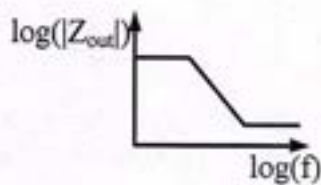
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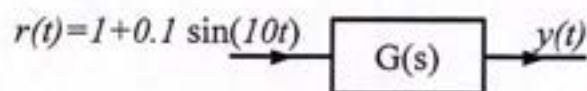


Q.37 An LTI system is shown in the figure where

$$G(s) = \frac{100}{s^2 + 0.1s + 10}$$

The steady state output of the system, to the input  $r(t)$ , is given as

$y(t) = a + b \sin(10t + \theta)$ . The values of 'a' and 'b' will be



- (A)  $a = 1, b = 10$   
 (B)  $a = 10, b = 1$   
 (C)  $a = 1, b = 100$   
 (D)  $a = 100, b = 1$

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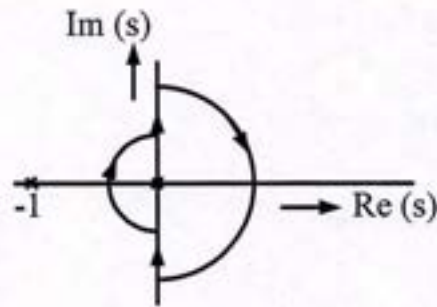




- Q.38 The open loop transfer function of a unity gain negative feedback system is given as

$$G(s) = \frac{1}{s(s+1)}$$

The Nyquist contour in the  $s$ -plane encloses the entire right half plane and a small neighbourhood around the origin in the left half plane, as shown in the figure below. The number of encirclements of the point  $(-1 + j0)$  by the Nyquist plot of  $G(s)$ , corresponding to the Nyquist contour, is denoted as  $N$ . Then  $N$  equals to



- (A) 0  
(B) 1  
(C) 2  
(D) 3

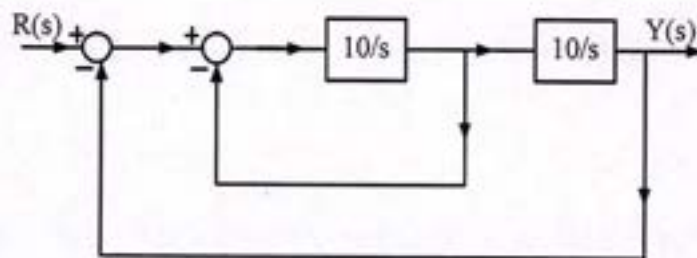


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- Q.39 The damping ratio and undamped natural frequency of a closed loop system as shown in the figure, are denoted as  $\zeta$  and  $\omega_n$ , respectively. The values of  $\zeta$  and  $\omega_n$  are



- (A)  $\zeta = 0.5$  and  $\omega_n = 10$  rad/s  
 (B)  $\zeta = 0.1$  and  $\omega_n = 10$  rad/s  
 (C)  $\zeta = 0.707$  and  $\omega_n = 10$  rad/s  
 (D)  $\zeta = 0.707$  and  $\omega_n = 100$  rad/s

- Q.40  $e^A$  denotes the exponential of a square matrix  $A$ . Suppose  $\lambda$  is an eigenvalue and  $v$  is the corresponding eigen-vector of matrix  $A$ .

Consider the following two statements:

Statement 1:  $e^\lambda$  is an eigenvalue of  $e^A$ .

Statement 2:  $v$  is an eigen-vector of  $e^A$ .

Which one of the following options is correct?

- (A) Statement 1 is true and statement 2 is false.  
 (B) Statement 1 is false and statement 2 is true.  
 (C) Both the statements are correct.  
 (D) Both the statements are false.



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Q.41 Let  $f(x) = \int_0^x e^t(t-1)(t-2)dt$ . Then  $f(x)$  decreases in the interval

- (A)  $x \in (1,2)$
- (B)  $x \in (2,3)$
- (C)  $x \in (0,1)$
- (D)  $x \in (0.5,1)$

Q.42 Consider a matrix  $A = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 4 & -2 \\ 0 & 1 & 1 \end{bmatrix}$ .

The matrix  $A$  satisfies the equation  $6A^{-1} = A^2 + cA + dI$ , where  $c$  and  $d$  are scalars and  $I$  is the identity matrix.

Then  $(c + d)$  is equal to

- (A) 5
- (B) 17
- (C) -6
- (D) 11



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- Q.43 The fuel cost functions in rupees/hour for two 600 MW thermal power plants are given by

$$\text{Plant 1: } C_1 = 350 + 6P_1 + 0.004P_1^2$$

$$\text{Plant 2: } C_2 = 450 + aP_2 + 0.003P_2^2$$

where  $P_1$  and  $P_2$  are power generated by plant 1 and plant 2, respectively, in MW and  $a$  is constant. The incremental cost of power ( $\lambda$ ) is 8 rupees per MWh. The two thermal power plants together meet a total power demand of 550 MW. The optimal generation of plant 1 and plant 2 in MW, respectively, are

- (A) 200, 350  
(B) 250, 300  
(C) 325, 225  
(D) 350, 200

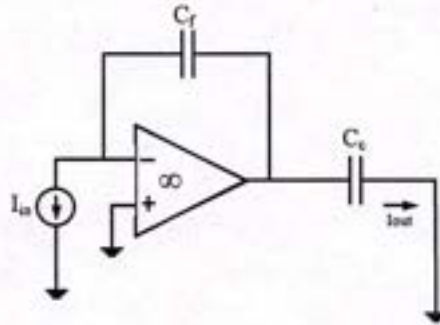
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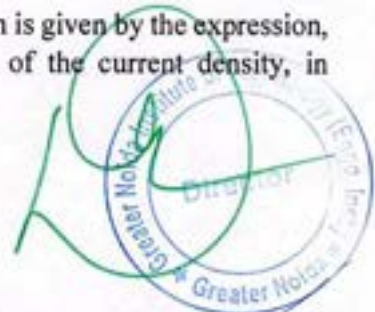
- Q.44 The current gain ( $I_{out}/I_{in}$ ) in the circuit with an ideal current amplifier given below is



- (A)  $\frac{C_f}{C_c}$   
 (B)  $-\frac{C_f}{C_c}$   
 (C)  $\frac{C_c}{C_f}$   
 (D)  $-\frac{C_c}{C_f}$

- Q.45 If the magnetic field intensity ( $\mathbf{H}$ ) in a conducting region is given by the expression,  $\mathbf{H} = x^2 \hat{i} + x^2 y^2 \hat{j} + x^2 y^2 z^2 \hat{k}$  A/m. The magnitude of the current density, in A/m<sup>2</sup>, at  $x = 1$  m,  $y = 2$  m, and  $z = 1$  m, is

- (A) 8  
 (B) 12  
 (C) 16  
 (D) 20



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Q.46 Let a causal LTI system be governed by the following differential equation

$$y(t) + \frac{1}{4} \frac{dy}{dt} = 2x(t), \text{ where } x(t) \text{ and } y(t) \text{ are the input and output respectively.}$$

Its impulse response is

(A)  $2e^{-\frac{1}{4}t}u(t)$

(B)  $2e^{-4t}u(t)$

(C)  $8e^{-\frac{1}{4}t}u(t)$

(D)  $8e^{-4t}u(t)$

Q.47 Let an input  $x(t) = 2 \sin(10\pi t) + 5 \cos(15\pi t) + 7 \sin(42\pi t) + 4 \cos(45\pi t)$  is passed through an LTI system having an impulse response,

$$h(t) = 2 \left( \frac{\sin(10\pi t)}{\pi t} \right) \cos(40\pi t).$$

The output of the system is

(A)  $2 \sin(10\pi t) + 5 \cos(15\pi t)$

(B)  $5 \cos(15\pi t) + 7 \sin(42\pi t)$

(C)  $7 \sin(42\pi t) + 4 \cos(45\pi t)$

(D)  $2 \sin(10\pi t) + 4 \cos(45\pi t)$

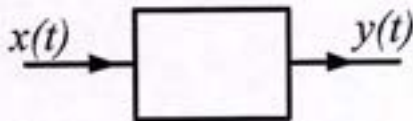


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Q.48 Consider the system as shown below



where  $y(t) = x(e^t)$ . The system is

- (A) linear and causal.
- (B) linear and non-causal.
- (C) non-linear and causal.
- (D) non-linear and non-causal.

Q.49 The discrete time Fourier series representation of a signal  $x[n]$  with period  $N$  is written as  $x[n] = \sum_{k=0}^{N-1} a_k e^{j(2k\pi n/N)}$ . A discrete time periodic signal with period  $N = 3$ , has the non-zero Fourier series coefficients:  $a_{-3} = 2$  and  $a_4 = 1$ . The signal is

- (A)  $2 + 2e^{-j(\frac{2\pi}{6}n)} \cos(\frac{2\pi}{6}n)$
- (B)  $1 + 2e^{j(\frac{2\pi}{6}n)} \cos(\frac{2\pi}{6}n)$
- (C)  $1 + 2e^{j(\frac{2\pi}{3}n)} \cos(\frac{2\pi}{6}n)$
- (D)  $2 + 2e^{j(\frac{2\pi}{6}n)} \cos(\frac{2\pi}{6}n)$

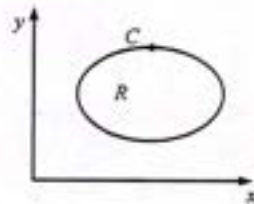






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- Q.50 Let,  $f(x, y, z) = 4x^2 + 7xy + 3xz^2$ . The direction in which the function  $f(x, y, z)$  increases most rapidly at point  $P = (1, 0, 2)$  is
- (A)  $20\hat{i} + 7\hat{j}$
- (B)  $20\hat{i} + 7\hat{j} + 12\hat{k}$
- (C)  $20\hat{i} + 12\hat{k}$
- (D)  $20\hat{i}$
- Q.51 Let  $R$  be a region in the first quadrant of the  $xy$  plane enclosed by a closed curve  $C$  considered in counter-clockwise direction. Which of the following expressions does not represent the area of the region  $R$ ?



- (A)  $\iint_R dx dy$
- (B)  $\oint_C x dy$
- (C)  $\oint_C y dx$
- (D)  $\frac{1}{2} \oint_C (x dy - y dx)$

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Q.52 Let  $\vec{E}(x, y, z) = 2x^2\hat{i} + 5y\hat{j} + 3z\hat{k}$ . The value of  $\iiint_V (\vec{\nabla} \cdot \vec{E}) dV$ , where  $V$  is the volume enclosed by the unit cube defined by  $0 \leq x \leq 1, 0 \leq y \leq 1$ , and  $0 \leq z \leq 1$ , is

- (A) 3
- (B) 8
- (C) 10
- (D) 5

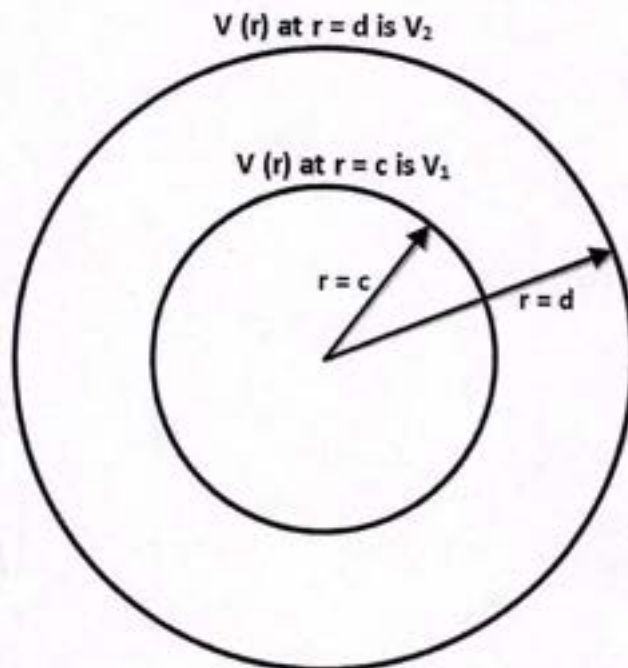
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- Q.53 As shown in the figure below, two concentric conducting spherical shells, centered at  $r = 0$  and having radii  $r = c$  and  $r = d$  are maintained at potentials such that the potential  $V(r)$  at  $r = c$  is  $V_1$  and  $V(r)$  at  $r = d$  is  $V_2$ . Assume that  $V(r)$  depends only on  $r$ , where  $r$  is the radial distance. The expression for  $V(r)$  in the region between  $r = c$  and  $r = d$  is



(A)

$$V(r) = \frac{cd(V_2 - V_1)}{(d - c)r} - \frac{V_1c + V_2d - 2V_1d}{d - c}$$

(B)

$$V(r) = \frac{cd(V_1 - V_2)}{(d - c)r} + \frac{V_2d - V_1c}{d - c}$$

(C)

$$V(r) = \frac{cd(V_1 - V_2)}{(d - c)r} - \frac{V_1c - V_2c}{d - c}$$

(D)

$$V(r) = \frac{cd(V_2 - V_1)}{(d - c)r} - \frac{V_2c - V_1c}{d - c}$$



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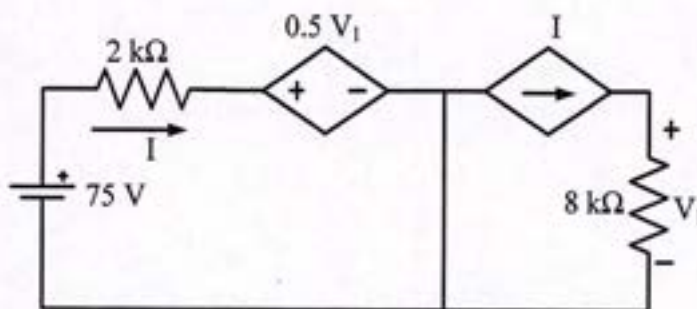
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- Q.54 Let the probability density function of a random variable  $x$  be given as

$$f(x) = ae^{-2|x|}$$

The value of 'a' is \_\_\_\_\_.

- Q.55 In the circuit shown below, the magnitude of the voltage  $V_1$  in volts, across the  $8\text{ k}\Omega$  resistor is \_\_\_\_\_. (round off to nearest integer)



- Q.56 Two generating units rated for 250 MW and 400 MW have governor speed regulations of 6% and 6.4%, respectively, from no load to full load. Both the generating units are operating in parallel to share a load of 500 MW. Assuming free governor action, the load shared in MW, by the 250 MW generating unit is \_\_\_\_\_. (round off to nearest integer)
- Q.57 A 20 MVA, 11.2 kV, 4-pole, 50 Hz alternator has an inertia constant of 15 MJ/MVA. If the input and output powers of the alternator are 15 MW and 10 MW, respectively, the angular acceleration in mechanical degree/s<sup>2</sup> is \_\_\_\_\_. (round off to nearest integer)

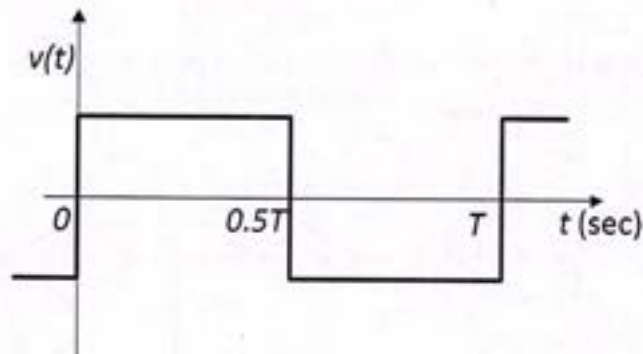


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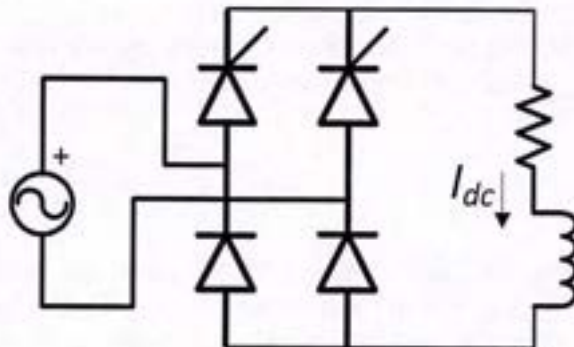


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- Q.58 Consider an ideal full-bridge single-phase DC-AC inverter with a DC bus voltage magnitude of 1000 V. The inverter output voltage  $v(t)$  shown below, is obtained when diagonal switches of the inverter are switched with 50 % duty cycle. The inverter feeds a load with a sinusoidal current given by,  $i(t) = 10 \sin(\omega t - \frac{\pi}{3})$  A, where  $\omega = \frac{2\pi}{T}$ . The active power, in watts, delivered to the load is \_\_\_\_\_. (round off to nearest integer)



- Q.59 For the ideal AC-DC rectifier circuit shown in the figure below, the load current magnitude is  $I_{dc} = 15$  A and is ripple free. The thyristors are fired with a delay angle of  $45^\circ$ . The amplitude of the fundamental component of the source current, in amperes, is \_\_\_\_\_. (round off to two decimal places)

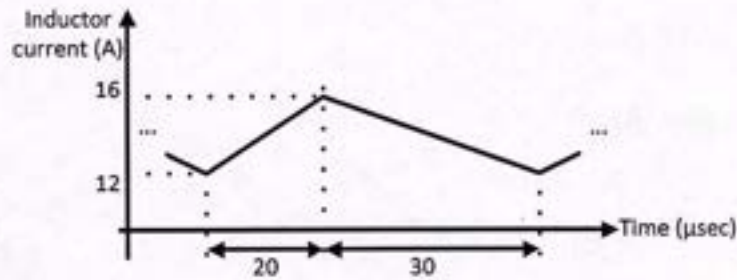


- Q.60 A 3-phase grid-connected voltage source converter with DC link voltage of 1000 V is switched using sinusoidal Pulse Width Modulation (PWM) technique. If the grid phase current is 10 A and the 3-phase complex power supplied by the converter is given by  $(-4000 - j3000)$  VA, then the modulation index used in sinusoidal PWM is \_\_\_\_\_. (round off to two decimal places)



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- Q.61 The steady state current flowing through the inductor of a DC-DC buck boost converter is given in the figure below. If the peak-to-peak ripple in the output voltage of the converter is 1 V, then the value of the output capacitor, in  $\mu\text{F}$ , is \_\_\_\_\_ . (round off to nearest integer)



- Q.62 A 280 V, separately excited DC motor with armature resistance of  $1 \Omega$  and constant field excitation drives a load. The load torque is proportional to the speed. The motor draws a current of 30 A when running at a speed of 1000 rpm. Neglect frictional losses in the motor. The speed, in rpm, at which the motor will run, if an additional resistance of value  $10 \Omega$  is connected in series with the armature, is \_\_\_\_\_ . (round off to nearest integer)

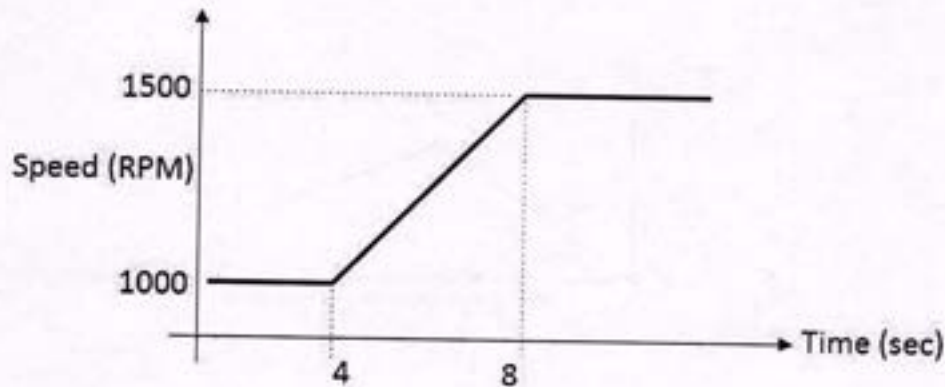
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- Q.63 A 4-pole induction motor with inertia of  $0.1 \text{ kg-m}^2$  drives a constant load torque of  $2 \text{ Nm}$ . The speed of the motor is increased linearly from  $1000 \text{ rpm}$  to  $1500 \text{ rpm}$  in  $4 \text{ seconds}$  as shown in the figure below. Neglect losses in the motor. The energy, in joules, consumed by the motor during the speed change is \_\_\_\_\_. (round off to nearest integer)



- Q.64 A star-connected 3-phase,  $400 \text{ V}$ ,  $50 \text{ kVA}$ ,  $50 \text{ Hz}$  synchronous motor has a synchronous reactance of  $1 \text{ ohm}$  per phase with negligible armature resistance. The shaft load on the motor is  $10 \text{ kW}$  while the power factor is  $0.8$  leading. The loss in the motor is  $2 \text{ kW}$ . The magnitude of the per phase excitation emf of the motor, in volts, is \_\_\_\_\_. (round off to nearest integer).
- Q.65 A 3-phase,  $415 \text{ V}$ , 4-pole,  $50 \text{ Hz}$  induction motor draws 5 times the rated current at rated voltage at starting. It is required to bring down the starting current from the supply to 2 times of the rated current using a 3-phase autotransformer. If the magnetizing impedance of the induction motor and no load current of the autotransformer is neglected, then the transformation ratio of the autotransformer is given by \_\_\_\_\_. (round off to two decimal places).

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Q. No.	Session	Question Type	Subject Name	Key/Range	Mark
1	2	MCQ	GA	D	1
2	2	MCQ	GA	A	1
3	2	MCQ	GA	A	1
4	2	MCQ	GA	A	1
5	2	MCQ	GA	C	1
6	2	MCQ	GA	C	2
7	2	MCQ	GA	A	2
8	2	MCQ	GA	B	2
9	2	MCQ	GA	A	2
10	2	MCQ	GA	C	2
11	2	MCQ	EE	B OR D	1
12	2	MCQ	EE	D	1
13	2	MCQ	EE	A	1
14	2	MCQ	EE	D	1
15	2	MCQ	EE	B	1
16	2	MCQ	EE	B	1
17	2	MCQ	EE	A	1
18	2	MCQ	EE	B	1
19	2	MCQ	EE	C	1
20	2	MCQ	EE	B	1
21	2	MCQ	EE	C	1
22	2	MCQ	EE	C	1
23	2	MCQ	EE	C	1
24	2	MCQ	EE	D	1
25	2	MCQ	EE	A	1
26	2	NAT	EE	10 to 10	1
27	2	NAT	EE	48 to 48	1
28	2	NAT	EE	250 to 250	1
29	2	NAT	EE	12.3 to 12.7	1
30	2	NAT	EE	13 to 13	1
31	2	NAT	EE	4.95 to 5.05	1
32	2	NAT	EE	795 to 805	1
33	2	NAT	EE	0.43 to 0.47	1
34	2	NAT	EE	20 to 20	1
35	2	NAT	EE	580 to 590	1
36	2	MCQ	EE	C	2
37	2	MCQ	EE	A	2
38	2	MCQ	EE	B	2
39	2	MCQ	EE	A	2
40	2	MCQ	EE	C	2
41	2	MCQ	EE	A	2
42	2	MCQ	EE	A	2
43	2	MCQ	EE	B	2
44	2	MCQ	EE	C	2





45	2	MCQ	EE	B	2
46	2	MCQ	EE	D	2
47	2	MCQ	EE	C	2
48	2	MCQ	EE	B	2
49	2	MCQ	EE	B	2
50	2	MCQ	EE	B	2
51	2	MCQ	EE	C	2
52	2	MCQ	EE	C	2
53	2	MCQ	EE	B	2
54	2	NAT	EE	0.99 to 1.01	2
55	2	NAT	EE	98 to 102	2
56	2	NAT	EE	188 to 192 OR 198 to 202	2
57	2	NAT	EE	74 to 76	2
58	2	NAT	EE	3170 to 3190	2
59	2	NAT	EE	17.3 to 18	2
60	2	NAT	EE	0.46 to 0.48	2
61	2	NAT	EE	165 to 171	2
62	2	NAT	EE	480 to 485	2
63	2	NAT	EE	675 to 700 OR 1725 to 1740	2
64	2	NAT	EE	240 to 248	2
65	2	NAT	EE	0.61 to 0.65	2

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**GENERAL APTITUDE**

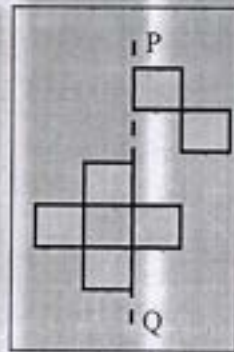
**Q. No. 1 - 5 Carry One Mark Each**

1. The current population of a city is 11,02,500. If it has been increasing at the rate of 5% per annum, what was its population 2 years ago?  
 (A) 9,92,500      (B) 12,51,506      (C) 9,95,006      (D) 10,00,000

Answer: (D)

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2.



The least number of squares that must be added so that the line P-Q becomes the line of symmetry is

- (A) 6      (B) 3      (C) 4      (D) 7

Answer: (A)

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3. p and q are positive integers and  $\frac{p}{q} + \frac{q}{p} = 3$ , then,  $\frac{p^2}{q^2} + \frac{q^2}{p^2} =$

- (A) 3      (B) 9      (C) 7      (D) 11

Answer: (C)

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4. Nostalgia is to anticipation as \_\_\_\_\_ is to \_\_\_\_\_

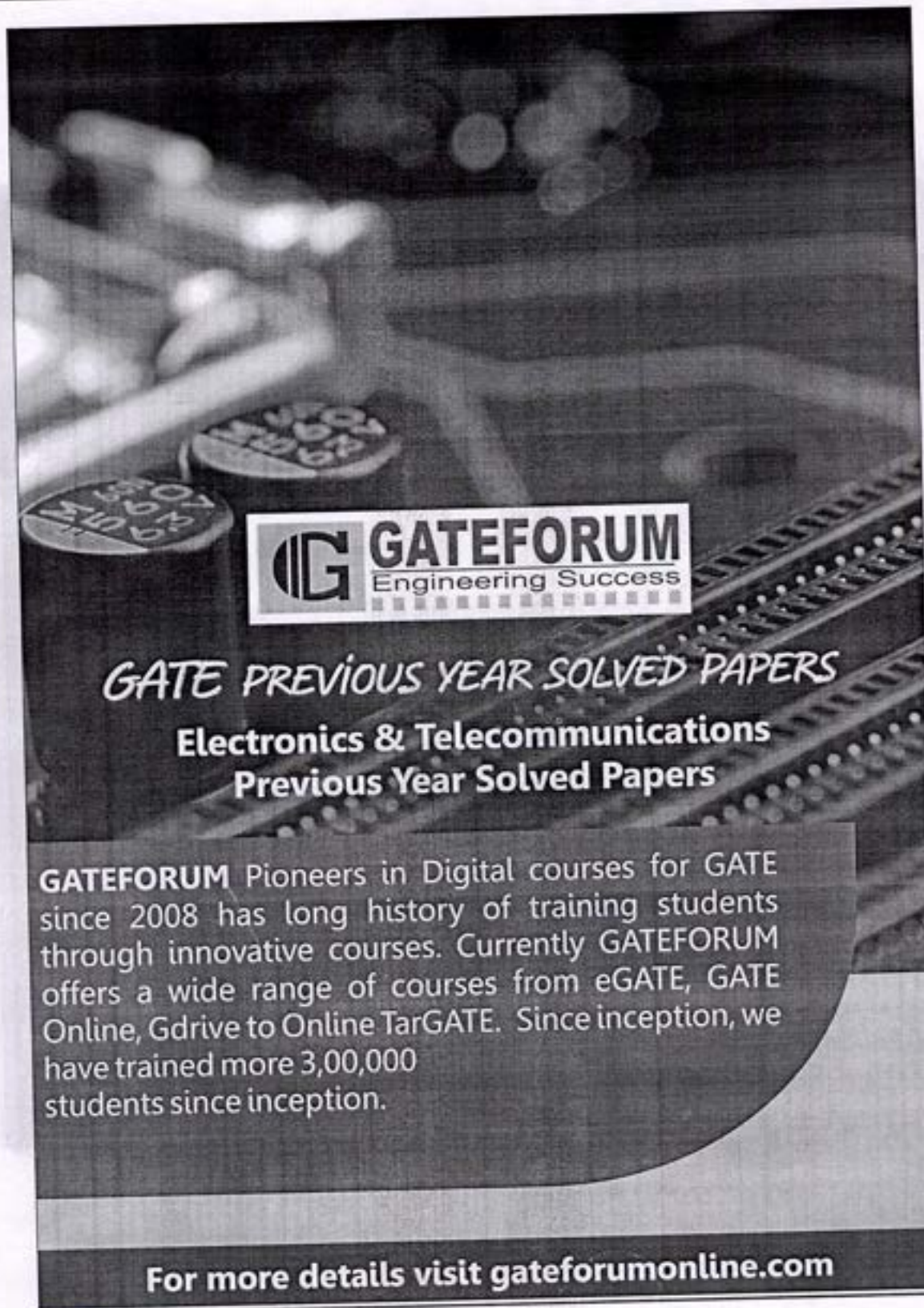
Which one of the following options maintains a similar logical relation in the above sentence?

- (A) Future, present      (B) Past, future  
 (C) Future, past      (D) Present, past

Answer: (B)

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5. Consider the following sentences:

- (i) I woke up from sleep
- (ii) I woked up from sleep
- (iii) I was woken up from sleep
- (iv) I was wokened up from sleep

Which of the above sentences are grammatically CORRECT?

- (A) (i) and (iv)      (B) (i) and (iii)      (C) (ii) and (iii)      (D) (i) and (ii)

Answer: (B)

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Q. No. 6-10 Carry Two Marks Each

6. Given below are two statements and two conclusions.

Statement 1: All purple are green.

Statement 2: All black are green.

Conclusion I: Some black are purple

Conclusion II: No black is purple

Based on the above statements and conclusions, which one of the following options is logically CORRECT?

- (A) Either conclusion I or II is correct      (B) Only conclusion I is correct  
(C) Both conclusion I and II are correct      (D) Only conclusion II is correct

Answer: (A)

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7. Computers are ubiquitous. They are used to improve efficiency in almost all fields from agriculture to space exploration. Artificial intelligence (AI) is currently a hot topic. AI enables computers to learn, given enough training data. For humans, sitting in front of a computer for long hours can lead to health issues.

Which of the following can be deduced from the above passage?

- (i) Nowadays, computers are present in almost all places.
- (ii) Computers cannot be used for solving problems in engineering.
- (iii) For humans, there are both positive and negative effects of using computers.
- (iv) Artificial intelligence can be done without data.

- (A) (ii) and (iv)      (B) (i) and (iii)      (C) (ii) and (iii)      (D) (i), (iii) and (iv)

Answer: (B)

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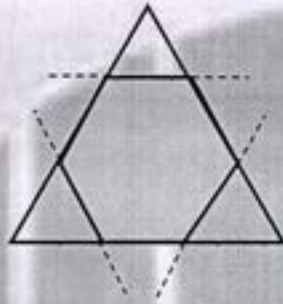
8. Consider a square sheet of a side 1 unit. In the first step, it is cut along the main diagonal to get two triangles. In the next step, one of the cut triangles is revolved about its short edge to form a solid cone. The volume of the resulting cone, in cubic units, is \_\_\_\_\_.

(A)  $\frac{\pi}{3}$                       (B)  $\frac{2\pi}{3}$                       (C)  $3\pi$                       (D)  $\frac{3\pi}{2}$

Answer: (A)

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- 9.



Corners are cut from an equilateral triangle to produce a regular convex hexagon as shown in the figure above.

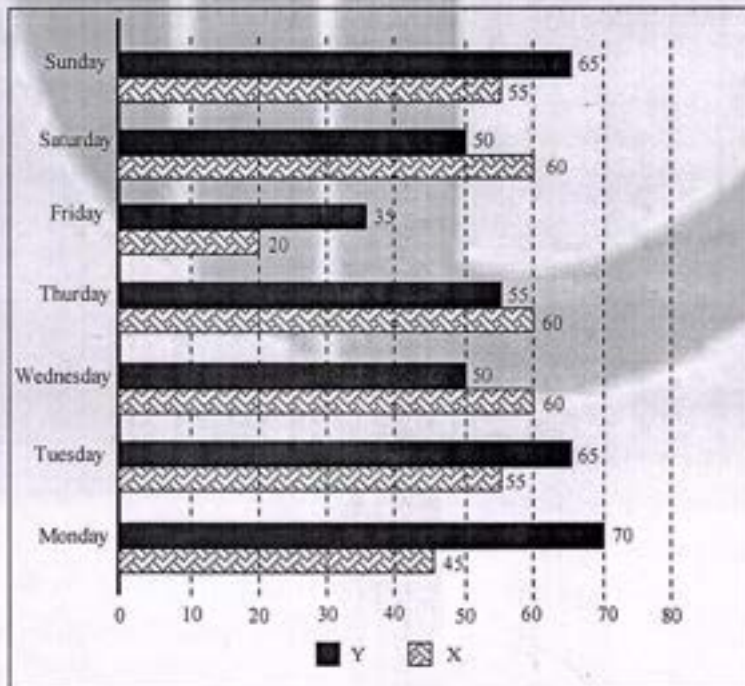
The ratio of the area of the regular convex hexagon to the area of the original equilateral triangle is

(A) 4 : 5                      (B) 5 : 6                      (C) 3 : 4                      (D) 2 : 3

Answer: (D)

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- 10.



The number of minutes spent by two students, X and Y, exercising every day in a given week are shown in the bar chart above.

The number of days in the given week in which one of the students spent a minimum of 10% more than the other student, on a given day, is

- (A) 4                      (B) 7                      (C) 6                      (D) 5

Answer: (C)

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**ELECTRONICS AND COMMUNICATIONS**

**Q. No. 1 to 25 Carry One Mark Each**

1. If  $(1235)_x = (3033)_y$ , where x and y indicate the bases of the corresponding numbers, then

- (A)  $x = 9$  and  $y = 7$                       (B)  $x = 8$  and  $y = 6$   
(C)  $x = 7$  and  $y = 5$                       (D)  $x = 6$  and  $y = 4$

Answer: (B)

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2. Addressing of a  $32K \times 16$  memory is realized using a single decoder. The minimum number of AND gates required for the decoder is

- (A)  $2^4$                       (B)  $2^{19}$                       (C)  $2^{15}$                       (D)  $2^{32}$

Answer: (C)

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3. Consider the differential equation given below.

$$\frac{dy}{dx} + \frac{x}{1-x^2}y = x\sqrt{y}$$

The integrating factor of the differential equation is

- (A)  $(1-x^2)^{-1/4}$                       (B)  $(1-x^2)^{-3/4}$                       (C)  $(1-x^2)^{-1/2}$                       (D)  $(1-x^2)^{-3/2}$

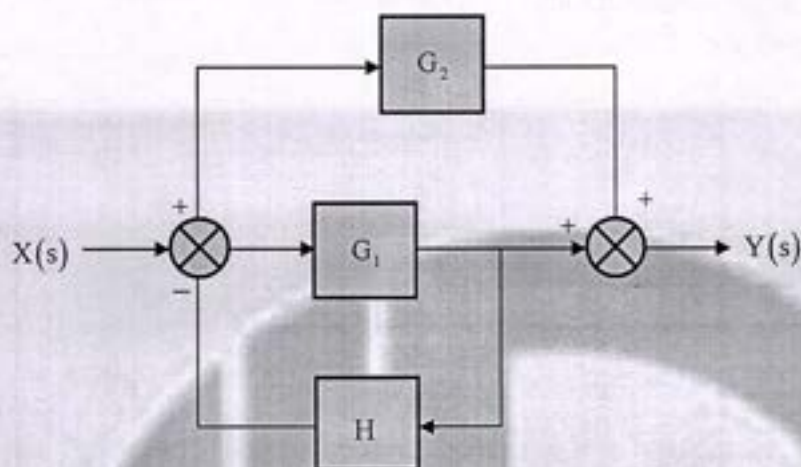
Answer: (A)

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4. The block diagram of a feedback system is shown in the figure.



The transfer function  $\frac{Y(s)}{X(s)}$  of the system is

- (A)  $\frac{G_1 + G_2 + G_1 G_2 H}{1 + G_1 H}$       (B)  $\frac{G_1 + G_2}{1 + G_1 H + G_2 H}$   
 (C)  $\frac{G_1 + G_2}{1 + G_1 H}$       (D)  $\frac{G_1 + G_2 + G_1 G_2 H}{1 + G_1 H + G_2 H}$

Answer: (C)

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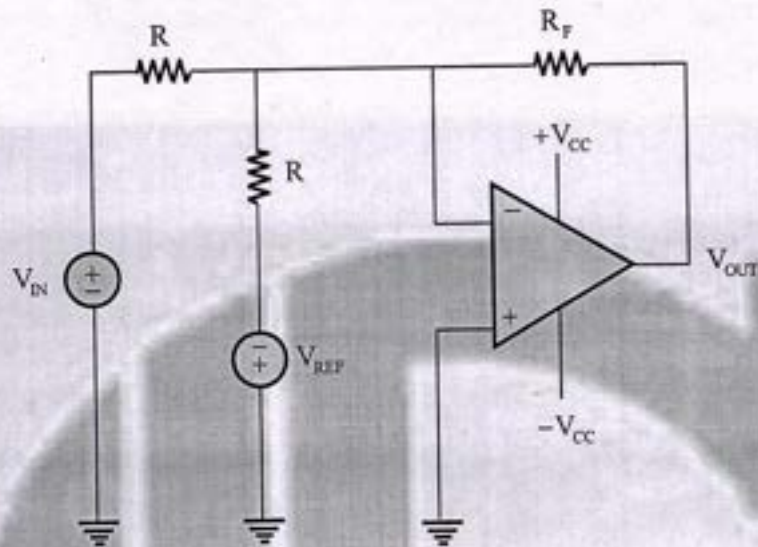
5. A speech signal, band limited to 4 kHz, is sampled at 1.25 times the Nyquist rate. The speech samples, assumed to be statistically independent and uniformly distributed in the range  $-5V$  to  $+5V$ , are subsequently quantized in an 8-bit uniform quantizer and then transmitted over a voice-grade AWGN telephone channel. If the ratio of transmitted signal power to channel noise power is 26 dB, the minimum channel bandwidth required to ensure reliable transmission of the signal with arbitrarily small probability of transmission error (rounded off to two decimal places) is \_\_\_\_\_ kHz.

Answer: (9.25)

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6. Consider the circuit with an ideal OPAMP shown in the figure.



Assuming  $|V_{IN}| \ll |V_{CC}|$  and  $|V_{REF}| \ll |V_{CC}|$ , the condition at which  $V_{OUT}$  equals to zero is

- (A)  $V_{IN} = 0.5 V_{REF}$       (B)  $V_{IN} = 2 + V_{REF}$       (C)  $V_{IN} = 2V_{REF}$       (D)  $V_{IN} = V_{REF}$

Answer: (D)

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7. A bar of silicon is doped with boron concentration of  $10^{16} \text{ cm}^{-3}$  and assumed to be fully ionized. It is exposed to light such that electron-hole pairs are generated throughout the volume of the bar at the rate of  $10^{20} \text{ cm}^{-3} \text{ s}^{-1}$ . If the recombination lifetime is  $100 \mu\text{s}$ , intrinsic carrier concentration of silicon is  $10^{10} \text{ cm}^{-3}$  and assuming 100% ionization of boron, then the approximate product of steady-state electron and hole concentrations due to this light exposure is

- (A)  $10^{20} \text{ cm}^{-6}$       (B)  $2 \times 10^{20} \text{ cm}^{-6}$       (C)  $10^{32} \text{ cm}^{-6}$       (D)  $2 \times 10^{32} \text{ cm}^{-6}$

Answer: (D)

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8. The refractive indices of the core and cladding of an optical fiber are 1.50 and 1.48, respectively. The critical propagation angle, which is defined as the maximum angle that the light beam makes with the axis of the optical fiber to achieve the total internal reflection, (rounded off to two decimal places) is \_\_\_\_\_ degree.

Answer: (9.36)

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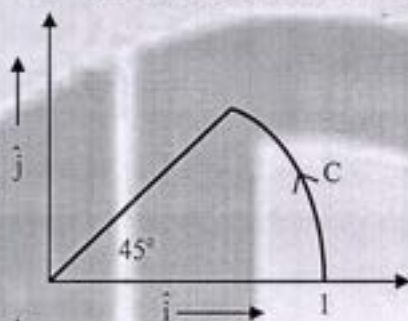


9. A 4 kHz sinusoidal message signal having amplitude 4V is fed to a delta modulator (DM) operating at a sampling rate of 32 kHz. The minimum step size required to avoid slope overload noise in the DM (rounded off to two decimal places) is \_\_\_\_\_ V.

Answer: (3.14)

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10. The vector function  $F(r) = -x\hat{i} + y\hat{j}$  is defined over a circular arc C shown in the figure.



The line integral  $\int_C F(r) \cdot dr$  is

- (A)  $\frac{1}{4}$                       (B)  $\frac{1}{3}$                       (C)  $\frac{1}{2}$                       (D)  $\frac{1}{6}$

Answer: (C)

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11. Consider two 16-point sequences  $x[n]$  and  $h[n]$ . Let the linear convolution of  $x[n]$  and  $h[n]$  be denoted by  $y[n]$ , while  $z[n]$  denotes the 16-point inverse discrete Fourier transform (IDFT) of the product of the 16-point DFTs of  $x[n]$  and  $h[n]$ . The value(s) of  $k$  for which  $z[k] = y[k]$  is/are

- (A)  $k = 0$                       (B)  $k = 0, 1, 2, \dots, 15$   
(C)  $k = 15$                       (D)  $k = 0$  and  $k = 15$

Answer: (C)

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12. Consider a rectangular coordinate system  $(x, y, z)$  with unit vectors  $a_x, a_y$  and  $a_z$ . A plane wave travelling in the region  $z \geq 0$  with electric field vector  $E = 10 \cos(2 \times 10^8 t + \beta z) a_y$  is incident normally on the plane at  $z = 0$ , where  $\beta$  is the phase constant. The region  $z \geq 0$  is in the free space and the region  $z < 0$  is filled with a lossless medium (permittivity  $\epsilon = \epsilon_0$ , permeability  $\mu = 4\mu_0$ , where  $\epsilon_0 = 8.85 \times 10^{-12}$  F/m and  $\mu_0 = 4\pi \times 10^{-7}$  H/m). The value of the reflection coefficient is

- (A)  $\frac{3}{5}$                       (B)  $\frac{1}{3}$                       (C)  $\frac{2}{5}$                       (D)  $\frac{2}{3}$

Answer: (B)

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13. Consider the vector field  $F = a_x(4y - c_1z) + a_y(4x + 2z) + a_z(2y + z)$  in a rectangular coordinate system  $(x, y, z)$  with unit vectors  $a_x, a_y$  and  $a_z$ . If the field  $F$  is irrotational (conservative), then the constant  $c_1$  (in integer) is \_\_\_\_\_.

Answer: (0)

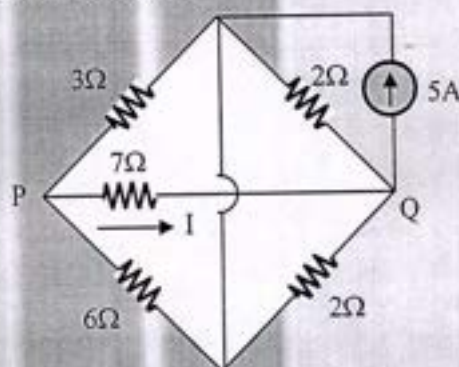
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14. An 8-bit unipolar (all analog output values are positive) digital-to-analog converter (DAC) has a full-scale voltage range from 0V to 7.68V. If the digital input code is 10010110 (the leftmost bit is MSB), then the analog output voltage of the DAC (rounded off to one decimal place) is \_\_\_\_\_ V.

Answer: (4.5)

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15. Consider the circuit shown in the figure.



The current  $I$  flowing through the  $7\Omega$  resistor between  $P$  and  $Q$  (rounded off to one decimal place) is \_\_\_\_\_ A

Answer: (0.5)

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16. Consider a carrier signal which is amplitude modulated by a single-tone sinusoidal message signal with a modulation index of 50%. If the carrier and one of the sidebands are suppressed in the modulated signal, the percentage of power saved (rounded off to one decimal place) is \_\_\_\_\_.

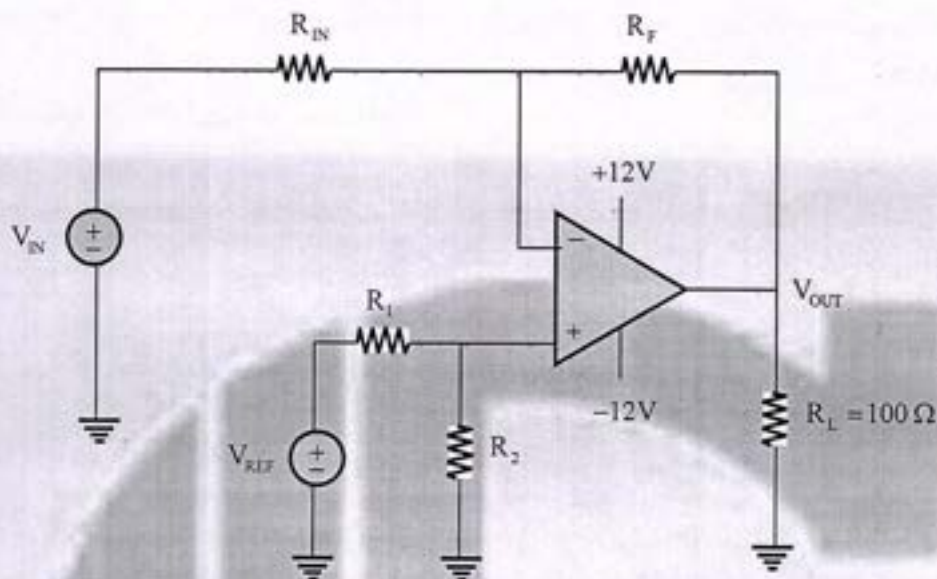
Answer: (94.4)

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17. For the circuit with an ideal OPAMP shown in the figure,  $V_{REF}$  is fixed.



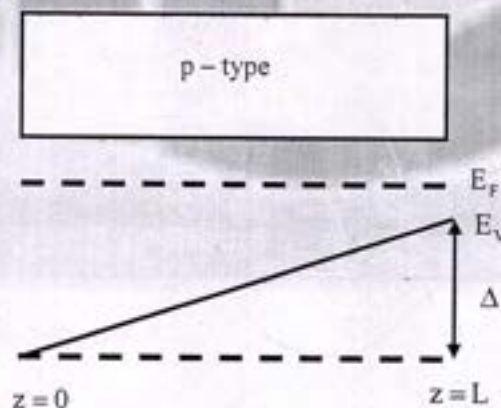
If  $V_{OUT} = 1$  volt for  $V_{IN} = 0.1$  volt and  $V_{OUT} = 6$  volt for  $V_{IN} = 1$  volt, where  $V_{OUT}$  is measured across  $R_L$  connected at the output of this OPAMP, the value of  $R_F/R_{IN}$  is

- (A) 5.555                      (B) 2.860                      (C) 3.825                      (D) 3.285

Answer: (\*)

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18. The energy band diagram of a p-type semiconductor bar of length  $L$  under equilibrium condition (i.e., the Fermi energy level  $E_F$  is constant) is shown in the figure. The valence band  $E_V$  is sloped since doping is non-uniform along the bar. The difference between the energy levels of the valence band at the two edges of the bar is  $\Delta$ .



If the charge of an electron is  $q$ , then the magnitude of the electric field developed inside this semiconductor bar is

- (A)  $\frac{2\Delta}{qL}$       (B)  $\frac{\Delta}{2qL}$       (C)  $\frac{\Delta}{qL}$       (D)  $\frac{3\Delta}{2qL}$

Answer: (C)

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19. A standard air-filled rectangular waveguide with dimensions  $a = 8$  cm,  $b = 4$  cm, operates at 3.4 GHz. For the dominant mode of wave propagation, the phase velocity of the signal is  $v_p$ . The value (rounded off to two decimal places) of  $v_p/c$ , where  $c$  denotes the velocity of light, is \_\_\_\_\_.

Answer: (1.199)

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20. Consider a polar non-return to zero (NRZ) waveform, using +2V and -2V for representing binary '1' and '0' respectively, is transmitted in the presence of additive zero-mean white Gaussian noise with variance  $0.4$  V<sup>2</sup>. If the a priori probability of transmission of a binary '1' is 0.4, the optimum threshold voltage for a maximum a posteriori (MAP) receiver (rounded off to two decimal places) is \_\_\_\_\_ V.

Answer: (0.04)

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21. Consider a real-valued base-band signal  $x(t)$ , band limited to 10 kHz. The Nyquist rate for the signal  $y(t) = x(t) \times \left(1 + \frac{t}{2}\right)$  is

- (A) 15 kHz      (B) 30 kHz      (C) 60 kHz      (D) 20 kHz

Answer: (B)

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22. Two continuous random variables  $X$  and  $Y$  are related as

$$Y = 2X + 3$$

Let  $\sigma_x^2$  and  $\sigma_y^2$  denote the variances of  $X$  and  $Y$ , respectively. The variances are related as

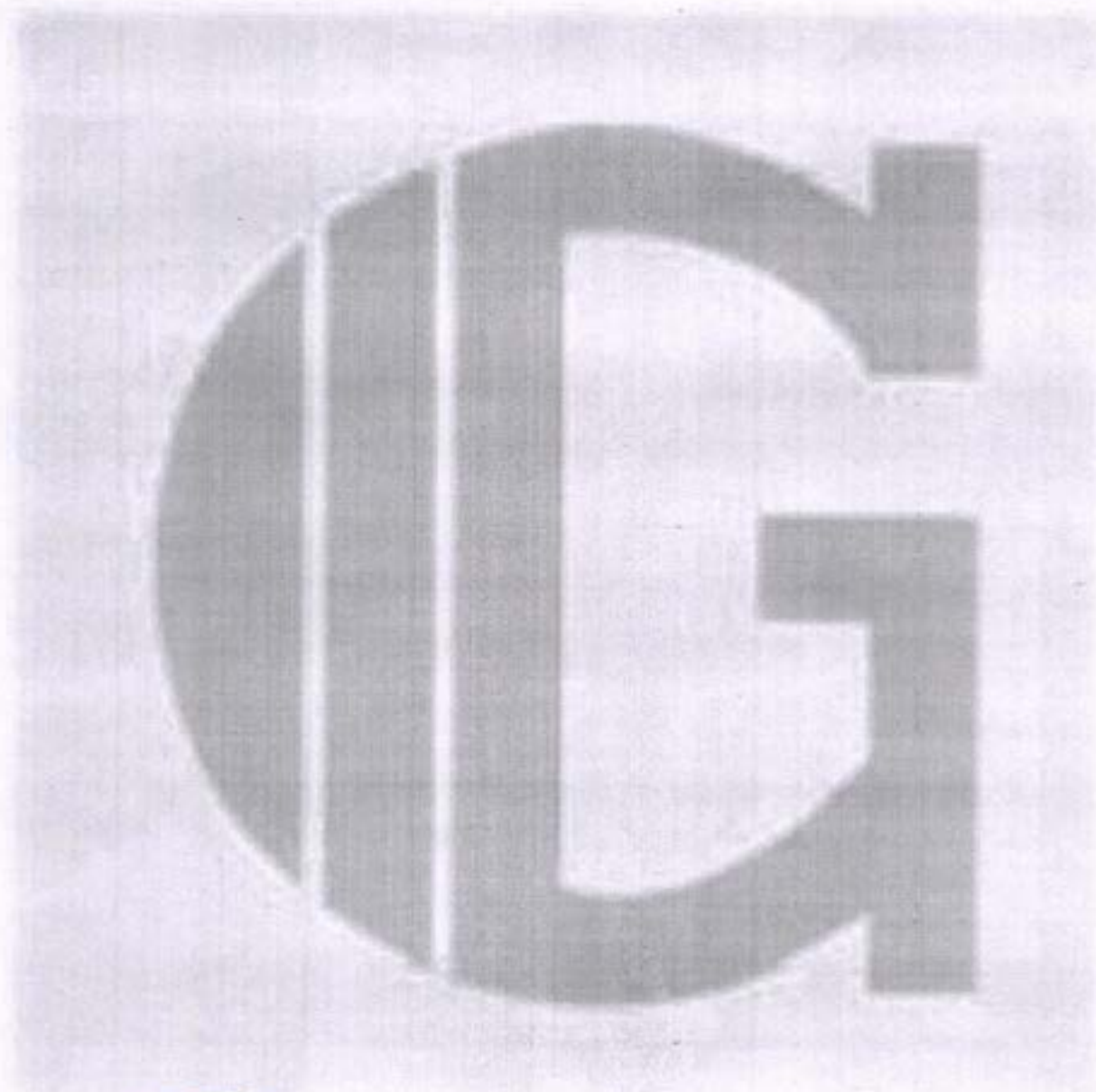
- (A)  $\sigma_y^2 = 5\sigma_x^2$       (B)  $\sigma_y^2 = 2\sigma_x^2$       (C)  $\sigma_y^2 = 25\sigma_x^2$       (D)  $\sigma_y^2 = 4\sigma_x^2$

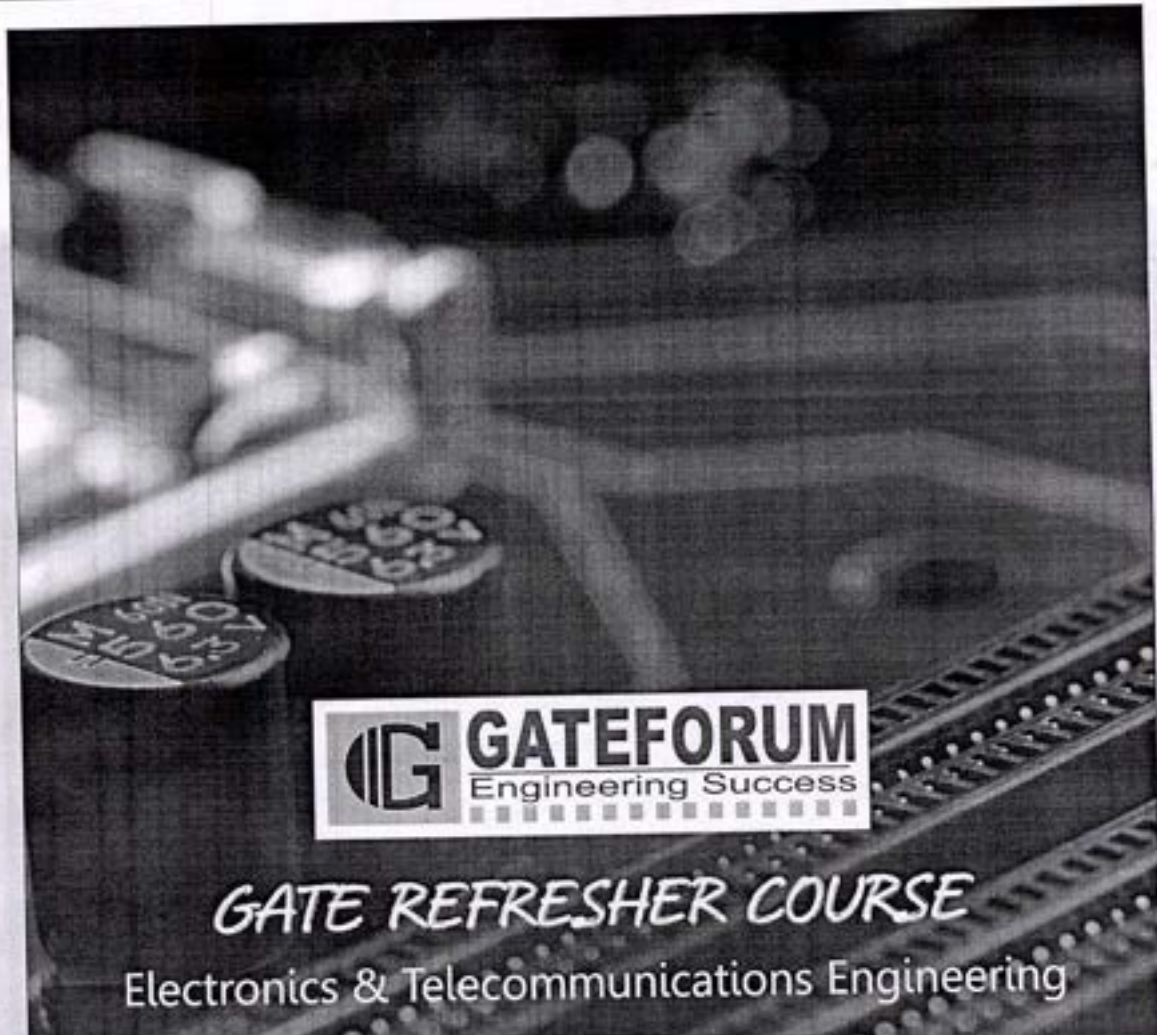
Answer: (D)

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23. An antenna with a directive gain of 6 dB is radiating a total power of 16 kW. The amplitude of the electric field in free space at a distance of 8 km from the antenna in the direction of 6 dB gain (rounded off to three decimal places) is \_\_\_\_\_ V/m.

Answer: (0.245)

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24. A message signal having peak-to-peak value of 2V, root mean square value of 0.1V and bandwidth of 5 kHz is sampled and fed to a pulse code modulation (PCM) system that uses a uniform quantizer. The PCM output is transmitted over a channel that can support a maximum transmission rate of 50 kbps. Assuming that the quantization error is uniformly distributed, the maximum signal to quantization noise ratio that can be obtained by the PCM system (rounded off to two decimal places) is \_\_\_\_\_.

Answer: (30.72)

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25. If the vectors  $(1.0, -1.0, 2.0)$ ,  $(7.0, 3.0, x)$  and  $(2.0, 3.0, 1.0)$  in  $R^3$  are linearly dependent, the value of  $x$  is \_\_\_\_\_.

Answer: (8)

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Q. No. 26 to 55 Carry Two Marks Each

26. A box contains the following three coins.

- I. A fair coin with head on one face and tail on the other face.
- II. A coin with heads on both the faces.
- III. A coin with tails on both the faces.

A coin is picked randomly from the box and tossed. Out of the two remaining coins in the box, one coin is then picked randomly and tossed. If the first toss results in a head, the probability of getting a head in the second toss is

- (A)  $\frac{1}{2}$                       (B)  $\frac{2}{5}$                       (C)  $\frac{2}{3}$                       (D)  $\frac{1}{3}$

Answer: (D)

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27. Consider the integral  $\oint_C \frac{\sin(x)}{x^2(x^2+4)} dx$

Where  $C$  is a counter-clockwise oriented circle defined as  $|x-i|=2$ . The value of the integral is

- (A)  $-\frac{\pi}{4}\sin(2i)$                       (B)  $\frac{\pi}{4}\sin(2i)$                       (C)  $\frac{\pi}{8}\sin(2i)$                       (D)  $-\frac{\pi}{8}\sin(2i)$

Answer: (\*)

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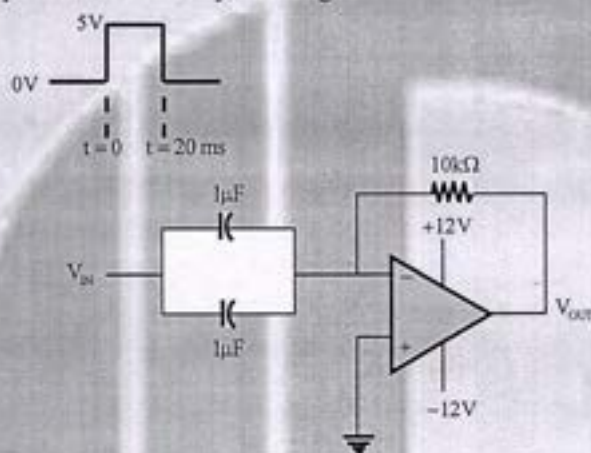
The value of  $\frac{dv(t)}{dt}$  at  $t = 0^+$  is

- (A) 3 V/s                      (B) -5 V/s                      (C) -3 V/s                      (D) 0 V/s

Answer: (C)

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30. A circuit with an ideal OPAMP is shown in the figure. A pulse  $V_{IN}$  of 20 ms duration is applied to the input. The capacitors are initially uncharged.



The output voltage  $V_{OUT}$  of this circuit at  $t = 0^+$  (in integer) is \_\_\_\_\_ V.

Answer: (-12)

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31. The exponential Fourier series representation of a continuous-time periodic signal  $x(t)$  is defined as

$$x(t) = \sum_{k=-\infty}^{\infty} a_k e^{jk\omega_0 t}$$

Where  $\omega_0$  is the fundamental angular frequency of  $x(t)$  and the coefficient of the series are  $a_k$ . The following information is given about  $x(t)$  and  $a_k$ .

- I.  $x(t)$  a real and even, having a fundamental period of 6
- II. The average value of  $x(t)$  is 2

III.  $a_k = \begin{cases} k, & 1 \leq k \leq 3 \\ 0, & k > 3 \end{cases}$

The average power of the signal  $x(t)$  (rounded off to one decimal place) is \_\_\_\_\_.

Answer: (32)

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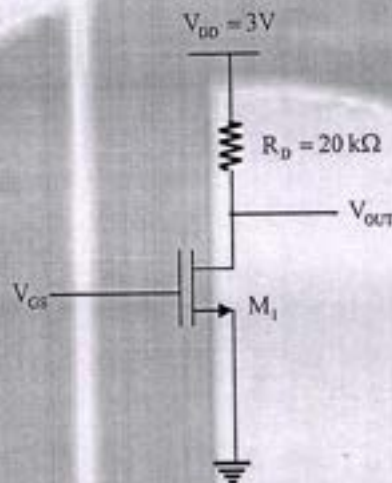


32. For a vector field  $D = \rho \cos^2 \phi a_\rho + z^2 \sin^2 \phi a_\phi$  in a cylindrical coordinate system  $(\rho, \phi, z)$  with unit vectors  $a_\rho, a_\phi$  and  $a_z$ , the net flux of  $D$  leaving the closed surface of the cylinder ( $\rho = 3, 0 \leq z \leq 2$ ) (rounded off to two decimal places) is \_\_\_\_\_.

Answer: (56.55)

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33. For the transistor  $M_1$  in the circuit shown in the figure,  $\mu_n C_{ox} = 100 \mu\text{A}/\text{V}^2$  and  $(W/L) = 10$ , where  $\mu_n$  is the mobility of electron,  $C_{ox}$  is the oxide capacitance per unit area,  $W$  is the width and  $L$  is the length.



The channel length modulation coefficient is ignored. If the gate-to-source voltage  $V_{GS}$  is 1V to keep the transistor at the edge of saturation, then the threshold voltage of the transistor (rounded off to one decimal place) is \_\_\_\_\_ V.

Answer: (0.55)

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34. In a high school having equal number of boy students and girl students, 75% of the students study science and the remaining 25% students study Commerce. Commerce students are two times more likely to be a boy than are Science students. The amount of information gained in knowing that a randomly selected girl student studies Commerce (rounded off to three decimal places) is \_\_\_\_\_ bits.

Answer: (3.34)

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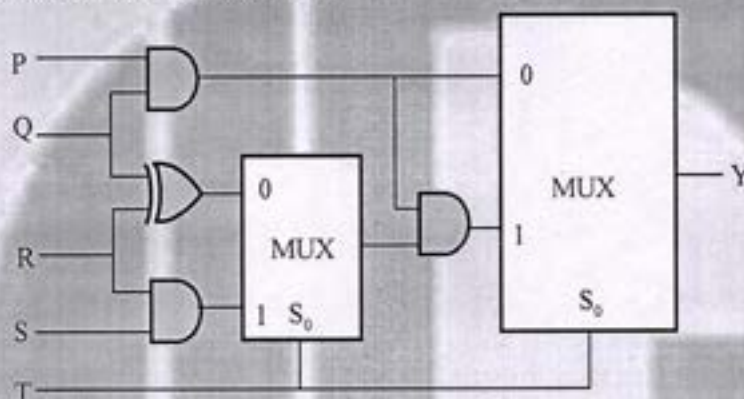


35. For a unit step input  $u[n]$ , a discrete-time LTI system produces an output signal  $(2\delta[n+1] + \delta[n] + \delta[n-1])$ . Let  $y[n]$  be the output of the system for an input  $\left(\left(\frac{1}{2}\right)^n u[n]\right)$ . The value of  $y[0]$  is \_\_\_\_\_.

Answer: (0)

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36. The propagation delays of the XOR gate, AND gate and multiplexer (MUX) in the circuit shown in the figure are 4ns, 2ns and 1 ns, respectively.



If all the inputs P, Q, R, S and T are applied simultaneously and held constant, the maximum propagation delay of the circuit is

- (A) 3 ns                      (B) 6 ns                      (C) 5 ns                      (D) 7 ns

Answer: (B)

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37. A digital transmission system uses a (7, 4) systematic linear Hamming code for transmitting data over a noisy channel. If three of the message-codeword pairs in this code  $(m_i, c_i)$ , where  $c_i$  is the codeword corresponding to the  $i^{\text{th}}$  message  $m_i$ , are known to be (1100; 0101100), (1110; 0011110) and (0110; 1000110), then which of the following is a **valid codeword** in this code?

- (A) 1101001                      (B) 0110100                      (C) 0001011                      (D) 1011010

Answer: (C)

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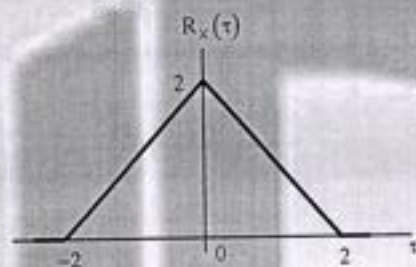


38. A sinusoidal message signal having root mean square value of 4V and frequency of 1 kHz fed to a phase modulator with phase deviation constant 2 rad/volt. If the carrier signal is  $c(t) = 2\cos(2\pi 10^6 t)$ , the maximum instantaneous frequency of the phase modulated signal (rounded off to one decimal place) is \_\_\_\_\_ Hz.

Answer: (1011312)

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39. The autocorrelation function  $R_X(\tau)$  of a wide-sense stationary random process  $X(t)$  is shown in the figure.

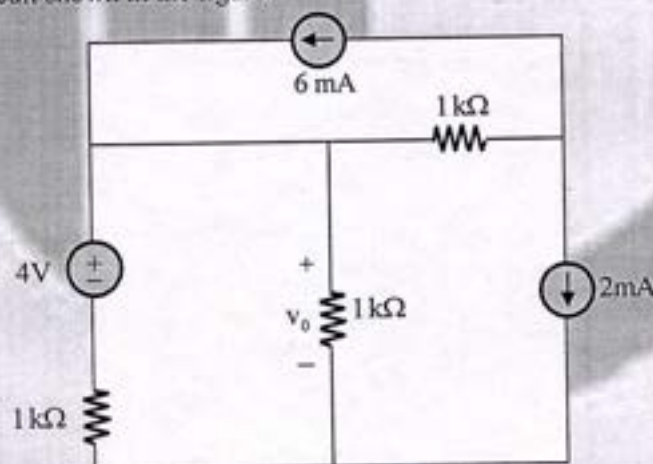


The average power of  $X(t)$  is \_\_\_\_\_.

Answer: (2)

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40. Consider the circuit shown in the figure.



The value of  $v_0$  (rounded off to one decimal place) is \_\_\_\_\_ V.

Answer: (D)

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41. Consider the signals  $x[n] = 2^{n-1}u[-n+2]$  and  $y[n] = 2^{-n+2}u[n+1]$ , where  $u[n]$  is the unit step sequence. Let  $X(e^{j\omega})$  and  $Y(e^{j\omega})$  be the discrete-time Fourier transform of  $x[n]$  and  $y[n]$ , respectively. The value of the integral

$$\frac{1}{2\pi} \int_0^{2\pi} X(e^{j\omega})Y(e^{-j\omega})d\omega$$

(rounded off to one decimal place) is \_\_\_\_\_.

Answer: (8)

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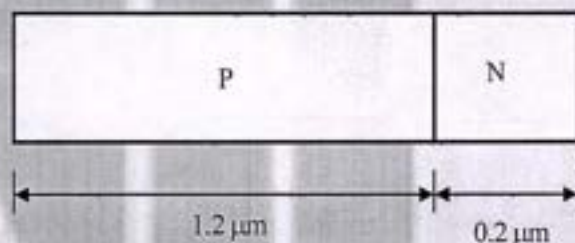
42. A silicon P-N junction is shown in the figure. The doping in the P region is  $5 \times 10^{16} \text{ cm}^{-3}$  and doping in the N region is  $10 \times 10^{16} \text{ cm}^{-3}$ . The parameters given are

Build-in voltage  $(\phi_{bi}) = 0.8 \text{ V}$

Electron charge  $(q) = 1.6 \times 10^{-19} \text{ C}$

Vacuum permittivity  $(\epsilon_0) = 8.85 \times 10^{-12} \text{ F/m}$

Relative permittivity of silicon  $(\epsilon_{si}) = 12$

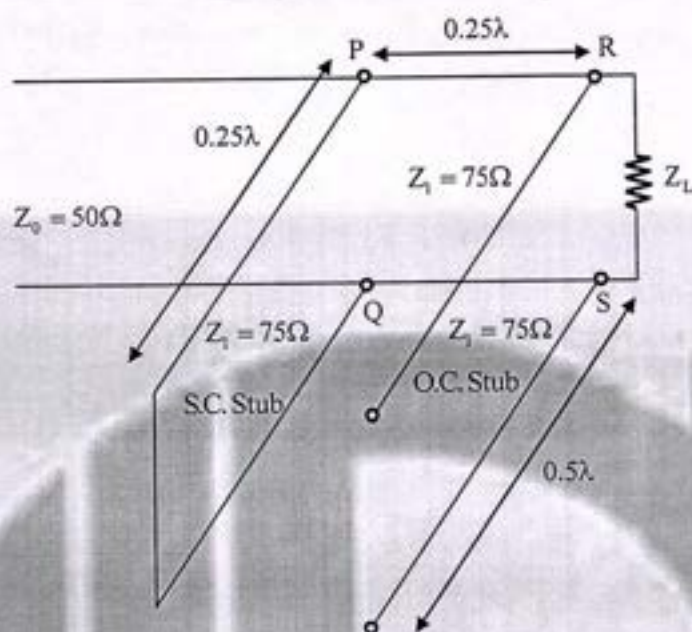


The magnitude of reverse bias voltage that would completely deplete one of the two regions (P or N) prior to the other (rounded off to one decimal place) is \_\_\_\_\_ V.

Answer: (8.23)

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43. The impedance matching network shown in the figure is to match a lossless line having characteristic impedance  $Z_0 = 50 \Omega$  with a load impedance  $Z_L$ . A quarter-wave line having a characteristic impedance  $Z_1 = 75 \Omega$  is connected to  $Z_L$ . Two stubs having characteristic impedance of  $75 \Omega$  each are connected to this quarter-wave line. One is a short-circuited (S.C) stub of length  $0.25\lambda$ , connected across PQ and the other one is an open-circuited (O.C) stub of length  $0.5\lambda$ , connected across RS.



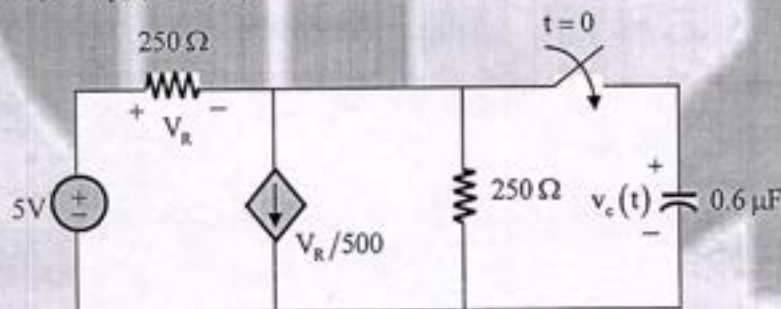
The impedance matching is achieved when the real part of  $Z_L$  is

- (A)  $33.3\Omega$       (B)  $50.0\Omega$       (C)  $75.0\Omega$       (D)  $112.5\Omega$

Answer: (D)

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44. In the circuit shown in the figure, the switch is closed at time  $t = 0$ , while the capacitor is initially charged to  $-5V$  (i.e.,  $v_c(0) = -5V$ ).



The time after which the voltage across the capacitor becomes zero (rounded off to three decimal places) is \_\_\_\_\_ ms.

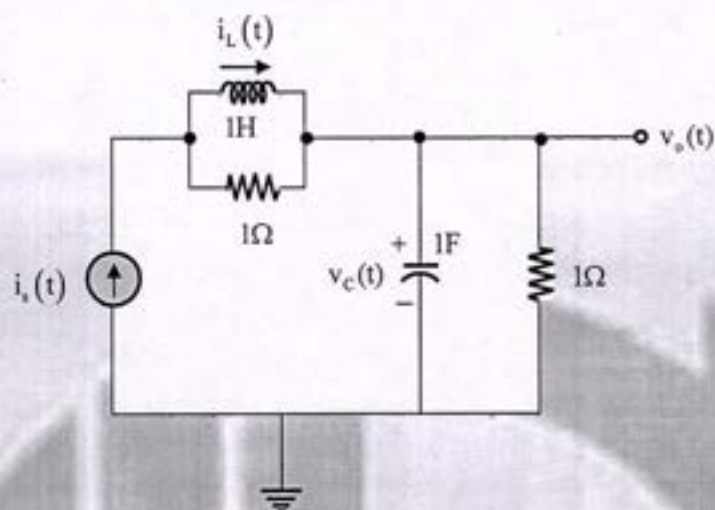
Answer: (0.1389)

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45. The electrical system shown in the figure converts input source current  $i_s(t)$  to output voltage  $v_o(t)$ .



Current  $i_L(t)$  in the inductor and voltage  $v_c(t)$  across the capacitor are taken as the state variables, both assumed to be initially equal to zero, i.e.,  $i_L(0) = 0$  and  $v_c(0) = 0$ . The system is

- (A) completely state controllable but not observable
- (B) completely state controllable as well as completely observable
- (C) neither state controllable nor observable
- (D) completely observable but not state controllable

Answer: (C)

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46. A real  $2 \times 2$  non-singular matrix  $A$  with repeated eigen value is given as

$$A = \begin{bmatrix} x & -3.0 \\ 3.0 & 4.0 \end{bmatrix}$$

Where  $x$  is a real positive number. The value of  $x$  (rounded off to one decimal place) is \_\_\_\_\_.

Answer: (10)

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47. For an n-channel silicon MOSFET with 10 nm gate oxide thickness, the substrate sensitivity  $\left(\frac{\partial V_T}{\partial |V_{BS}|}\right)$  is found to be 50 mV/V at a substrate voltage  $|V_{BS}| = 2V$ , where  $V_T$  is the threshold voltage of the MOSFET. Assume that,  $|V_{BS}| \gg 2\phi_B$ , where  $q\phi_B$  is the separation between the Fermi energy level  $E_f$  and the intrinsic level  $E_i$  in the bulk. Parameters given are

Electron charge  $(q) = 1.6 \times 10^{-19} C$

Vacuum permittivity  $(\epsilon_0) = 8.85 \times 10^{-12} F/m$

Relative permittivity of silicon  $(\epsilon_{Si}) = 12$

Relative permittivity of oxide  $(\epsilon_{ox}) = 4$

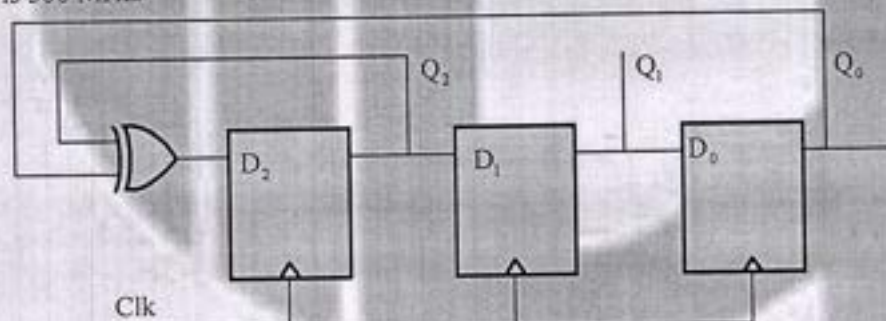
The doping concentration of the substrate is

- (A)  $7.37 \times 10^{15} cm^{-3}$  (B)  $4.37 \times 10^{15} cm^{-3}$   
(C)  $2.37 \times 10^{15} cm^{-3}$  (D)  $9.37 \times 10^{15} cm^{-3}$

Answer: (A)

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48. The propagation delay of the exclusive-OR (XOR) gate in the circuit in the figure is 3 ns. The propagation delay of all the flip-flops is assumed to be zero. The clock (Clk) frequency provided to the circuit is 500 MHz.



Starting from the initial value of the flip-flop outputs  $Q_2Q_1Q_0 = 111$  with  $D_2 = 1$ , the minimum number of triggering clock edges after which the flip-flop outputs  $Q_2Q_1Q_0$  becomes 100 (in integer) is \_\_\_\_\_.

Answer: (5)

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49. The content of the registers are  $R_1 = 25H$ ,  $R_2 = 30H$  and  $R_3 = 40H$ . The following machine instructions are executed.

PUSH  $\{R_1\}$   
 PUSH  $\{R_2\}$   
 PUSH  $\{R_3\}$   
 POP  $\{R_1\}$   
 POP  $\{R_2\}$   
 POP  $\{R_3\}$

After execution, the content of registers  $R_1, R_2, R_3$  are

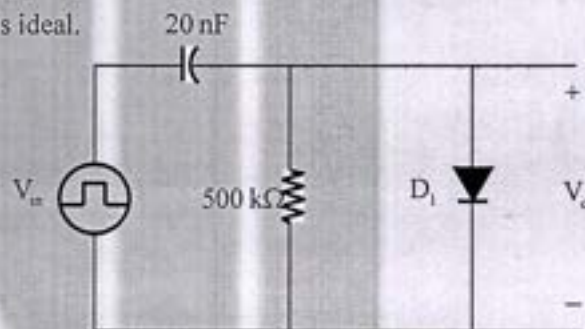
- (A)  $R_1 = 30H, R_2 = 40H, R_3 = 25H$       (B)  $R_1 = 25H, R_2 = 30H, R_3 = 40H$   
 (C)  $R_1 = 40H, R_2 = 30H, R_3 = 25H$       (D)  $R_1 = 40H, R_2 = 25H, R_3 = 30H$

Answer: (C)

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50. An asymmetrical periodic pulse train  $v_{in}$  of 10V amplitude with on-time  $T_{ON} = 1\text{ ms}$  and off-time  $T_{OFF} = 1\text{ }\mu\text{s}$  is applied to the circuit shown in the figure.

The diode  $D_1$  is ideal.



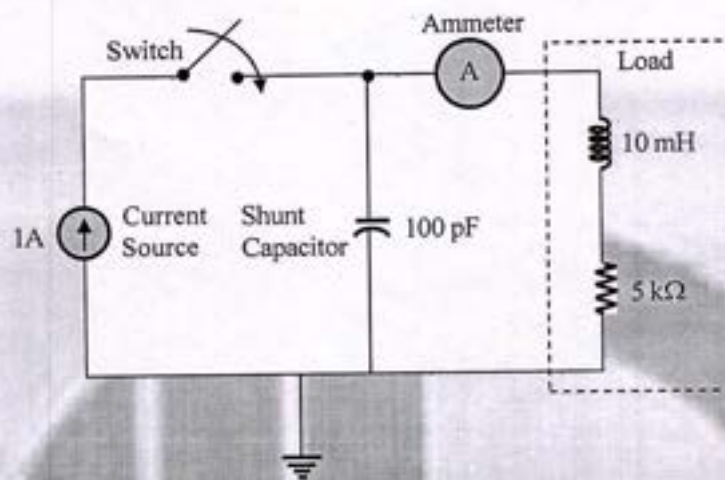
The difference between the maximum voltage and minimum voltage of the output waveform  $v_o$  (in integer) is \_\_\_\_\_ V.

Answer: (10)

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51. The circuit in the figure contains a current source driving a load having an inductor and a resistor in series, with a shunt capacitor across the load. The ammeter is assumed to have zero resistance. The switch is closed at time  $t = 0$ .



Initially, when the switch is open, the capacitor is discharged and the ammeter reads zero ampere. After the switch is closed, the ammeter reading keeps fluctuating for some time till it settles to a final steady value. The maximum ammeter reading that one will observe after the switch is closed (rounded off to two decimal places) is \_\_\_\_\_ A.

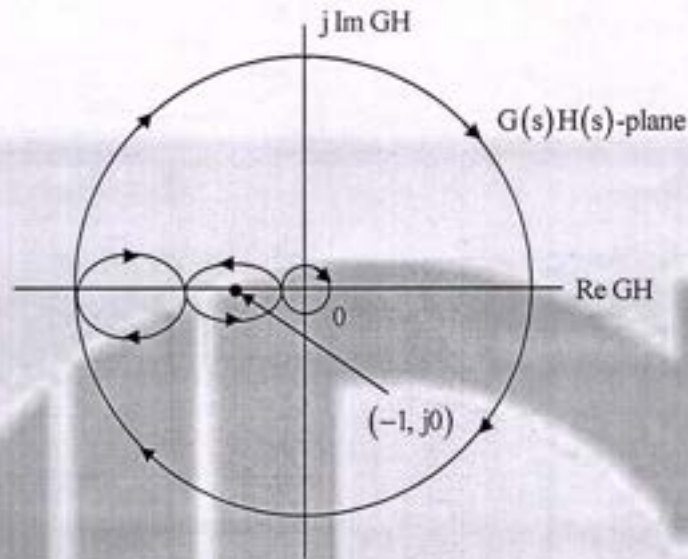
Answer: (1.44)

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52. The complete Nyquist plot of the open-loop transfer function  $G(s)H(s)$  of a feedback control system is shown in the figure.



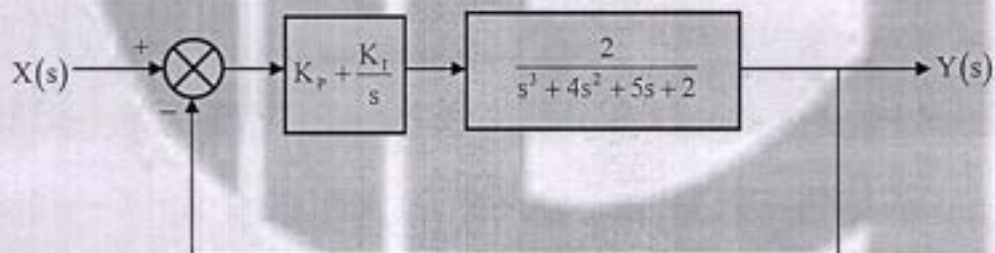
If  $G(s)H(s)$  has one zero in the right-half of the  $s$ -plane, the number of poles that the closed-loop system will have in the right-half of the  $s$ -plane is

- (A) 1                      (B) 3                      (C) 4                      (D) 0

Answer: (B)

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53. A unity feedback system that uses proportional-integral (PI) control is shown in the figure.



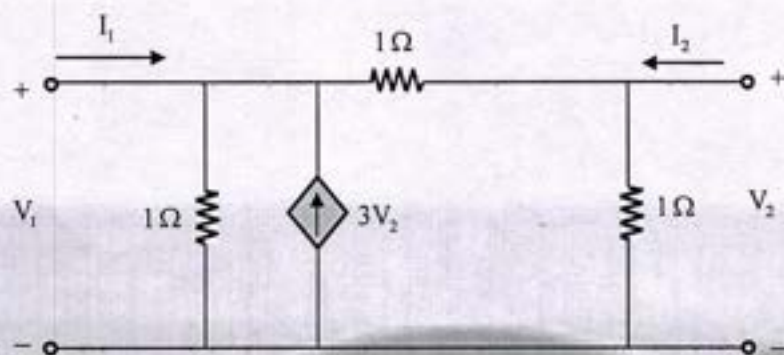
The stability of the overall system is controlled by tuning the PI control parameters  $K_p$  and  $K_i$ . The maximum value of  $K_i$  that can be chosen so as to keep the overall system stable or, in the worst case, marginally stable (rounded off to three decimal places) is \_\_\_\_\_.

Answer: (3.125)

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54. Consider the two-port network shown in the figure.





The admittance parameters, in siemens, are

- (A)  $y_{11} = 2, y_{12} = -4, y_{21} = -1, y_{22} = 2$       (B)  $y_{11} = 1, y_{12} = -2, y_{21} = -1, y_{22} = 3$   
 (C)  $y_{11} = 2, y_{12} = -4, y_{21} = -4, y_{22} = 3$       (D)  $y_{11} = 2, y_{12} = -4, y_{21} = -4, y_{22} = 2$

Answer: (A)

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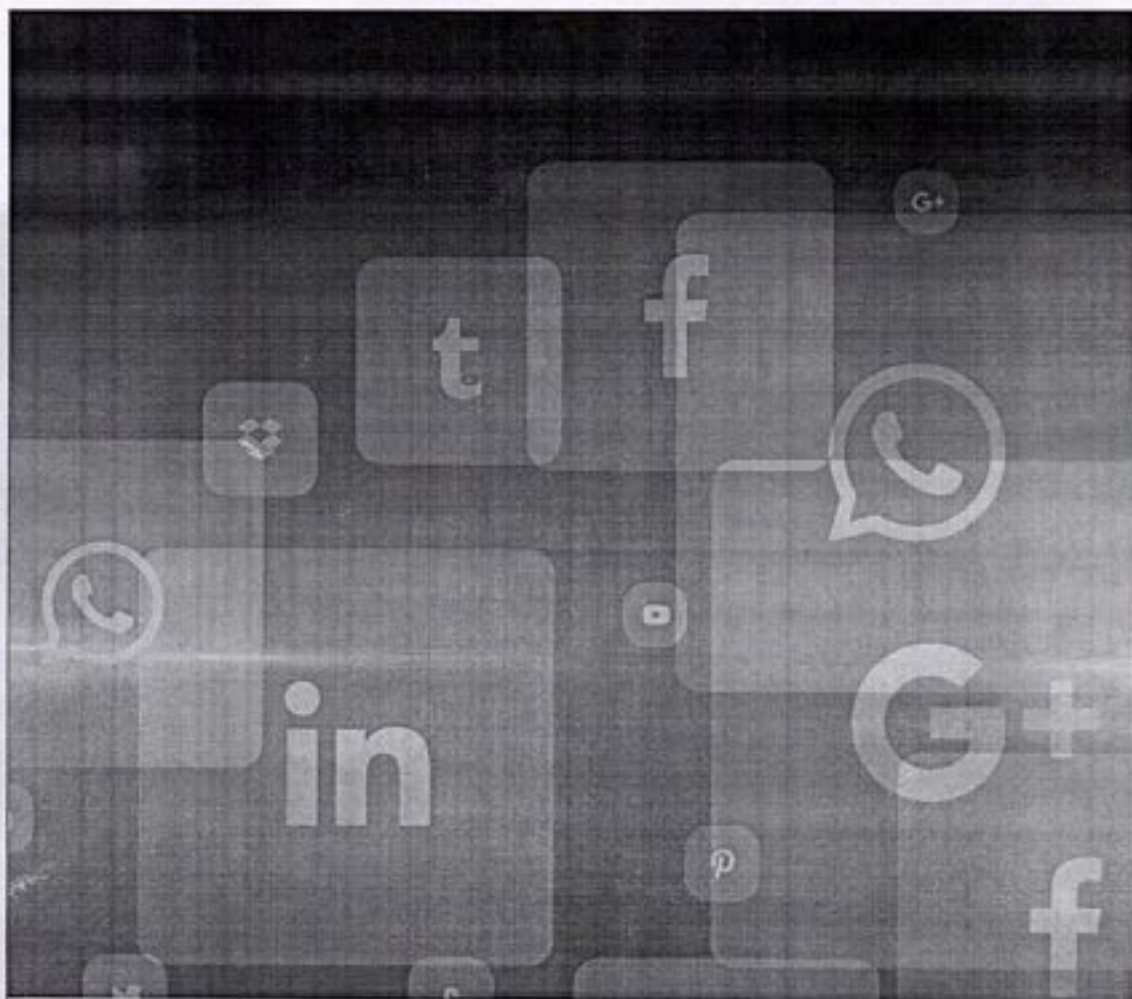
55. Consider a superheterodyne receiver tuned to 600 kHz. If the total oscillator feeds a 1000 kHz signal to the mixer, the image frequency (in integer) is \_\_\_\_\_ kHz.

Answer: (1400)

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