



CPRC Appreciation Award Ceremony 2025

For

**Students & Faculty Members
(B.Tech& MCA)**

23 May, 2025

Organized by

***Central Project& Research Committee
(CPRC)***



Event Report

Central Project & Research Committee (CPRC), GNIOT (Engg. Institute) felicitated the students and faculties of GNIOT (Engg. Institute) Appreciation Awards Ceremony on 23rd May 2025 (Friday), from 10:30 to 12:30 PM in seminar hall, first floor in the main building to acknowledge and appreciate the hard work of the students and faculty members in the session (Jan-July) AY 2023-2024 and session (August-Dec) AY 2024-2025. The award ceremony was conducted to appreciate and reward perseverance and commitment to excellence of the students and faculties who have made us all proud. It is an event not only to recognize their talents, but also to give due value to our GNIOT (Engg. Institute) core values which these awardees exemplify. This award ceremony is the spirit that guides the students and faculties of GNIOT (Engg. Institute).

The motive of this Awards ceremony be given away are in alignment with our holistic approach towards education to recognize students and faculties who have excelled in project development and research. The faculty members who guided the students were commended by the director for their pivotal role in nurturing the students' intellectual curiosity and guiding them throughout their journey.

Dr. Pushpa welcomed to all the dignitaries and introduced the highlights of award ceremony. Prof. (Dr.) Dhiraj Gupta congratulated to all the awardees, who have made an immense contribution to our institute. These brilliant students exhibit such qualities that will not only help them in achieving their goals, but also bring glory of success to our institute. He also congratulated to all the faculty members for their great achievements.

The guest of honor, Dr. Yogesh Kumar Singh, Former Director, NIC New Delhi, his heartiest gratitude to the Director, faculty members and parents for their support and collective efforts towards the development of these young talented students, grooming them to achieve something substantial in life and above all, raising them with a benign attitude. Whatever our students have achieved so far would never have been possible without their supervisor/mentor constant endeavor.

Dr. Shivani Dubey, Head-CPRC, also expressed her gratitude towards the the management, director, CPRC members and organizing committee members who have fulfilled their duties quite well; did not fail to justify their roles and took all the loads of work with a smile. This award ceremony was not possible without their support. She also congratulated and thanked to all the awardees in this award ceremony at such a grand level.

Last but not the least, Dr. Monika Dixit, CPRC Coordinator, extended my gratitude towards the faculty members and parents who have worked equally hard as the students did in their studies, project work, and research and remained to be a continuous support system, throughout the journey. This award ceremony is the spirit that guides the students and faculties of GNIOT (Engg. Institute).

The motive of this Awards ceremony be given away are in alignment with our holistic approach towards education to recognize students and faculties who have excelled in project development and research.

1. Computer Science and Engineering Dept

Semester	Category	Faculty/Student Name	Project Title
Even semester 2023-2024 8 th sem	Best Project	Md Tausif khan, Tanzim Aalm, Mohammad Tanveer	IoT-Based Home Automation System
Odd Semester 2024-25 7 th sem	Best Project	Dheeraj Kumar, Ayush Sharma, Deependra Anand	ML-Based Biometric Authentication and Evaluation for Enhanced Security

2.Information Technology Dept

Semester	Category	Faculty/Student Name	Project Title
Even semester 2023-2024 8 th sem	Best Project	Utkarsh Kumar Varshney, Sonali kumari	Accident Prevention Land Detection System using IoT integrated in an electric Poll
Odd Semester 2024-25 7 th sem	Best Project	Shahid Raza, Rana Aman, Shaukat Ali	RIFD Based Smart Attendance System
Odd Semester 2024-25 5 th sem	Best Project	Mansi Rawat, Md. Afnan Rumi, Meet Raj	Smart Parking System using IOT & CNN
Odd Semester 2024-25 3 rd sem	Best Project	Shahina Parveen, Shaily Chandra, Shashank Shaukar, Shivam Gupta	Develop a alcohol of detection system using IoT

3. AI-ML Dept

Semester	Category	Faculty/Student Name	Project Title
Odd semester 2023-2024 7 th sem	Best Project	Gazab Bhati, Harsh Gour, Shraddha Kaushal, Sonali	Brain Tumor Detection using Explainable AI

4. CSE-IOT

Semester	Category	Faculty/Student Name	Project Title
Even semester 2023-2024 8 th sem	Best Project	Rochak Sharma, Shami Gaffar, Shreshtha Gupta	IoT MedTech: Advancing Healthcare through intelligent Connectivity
Odd Semester 2024-25 7 th sem	Best Project	Nitin Sharma, Arjun Chauhan, Reshu	IoT based Smart Saline Stand
Odd Semester 2024-25 3 rd sem	Best Project	Satyam Jaiswal, Adarsh Kumar, Abhishek Yadav, Sahil Kumar	IoT Based Environment and light Monitoring System in a Polyhouse

5.Desgin Data Science and Cyber Security (DDCS) Dept

Semester	Category	Faculty/Student Name	Project Title
Odd semester 2024-2025 3 rd sem	Best Project	Nishtha Jaiswal, Riya Katiyar, Garima Sharma	Sign Language Detection Using Action Recognition

6. Mechanical Engineering Dept

Semester	Category	Faculty/Student Name	Project Title
Even semester 2023-2024 8 th sem	Best Project	Kaif Ahmad, Manveer, Md. Kaif, Ravi Kumar Verma	Performance Analysis of Solar still using Forced Convection
Odd Semester 2024-25 3 rd sem	Best Project	Mr. Rohit Sharma	Design and Development drone charging and docking system

7.Civil Engineering Dept

Semester	Category	Faculty/Student Name	Project Title
Even semester 2023-2024 8 th sem	Best Project	Md Arbaz, Zubair Siddiqui, Aditya Jaiswal, Shivani Singh	Experimental Investigation of Bamboo leaf ash and rice husk ash as partial replacement of cement in concrete

8.Electrical Engineering Dept

Semester	Category	Faculty/Student Name	Project Title
Even semester 2023-2024 8 th sem	Best Project	Anil Chaudhary, Rishabh Singh, Rahul Singh	Electrical fault in overhead system

Odd Semester 2024-25 7 th sem	Best Project	Kunal, Aman Kumar, Parul Priya	Automatic Irrigation and Seed Sowing Robot with Dual Axis Solar Tracker
Odd Semester 2024-25 5 th sem	Best Project	Sumit Raj Singh, Amjad Ali	Powering Public Facilities using Energy Harvested from GYM Spinning Wheels

9.Electronic and communication Engineering (ECE) dept

Semester	Category	Faculty/Student Name	Project Title
Even semester 2023-2024 8 th Sem	Best Project	Asif Hussian, Abhishek Kumar, Indradev Pramanik	IoT based Smart Fall Detection Device for Elderly people
Odd Semester 2024-25 7 th sem	Best Project	Rahul Kumar Singh, Saurabh Chaudhary, Sourabh Saha	BCI enabled Miniature Wheel Chair Control using EEG Signal
Odd Semester 2024-25 5 th Sem	Best Project	Anjali Thakar, Arjun Singh, Ayush Tripathi, Kritika Singh, Chanchal Bhardwaj	Virtual Telepresence Robot using Raspberry Pi
Odd Semester 2024-25 3 rd sem	Best Project	Harshit Kumar Mishra, Gaurav Kumar, Ashwani Patel, Ayush Galian, Ankit Verma, Utkarsh Kumar Rai, Upendra, Sonu Kumar	Hand Gesture Recognition Device for IoT Integrated Robot Control using motion Sensors

Best Supervisor

Session	Dept	Category	Faculty/Student Name
Session 2023-24	CSE	Best Supervisor	Mr. Arjun Singh
Session 2023-24	IT	Best Supervisor	Prof. Vikas Singhal
Session 2024-25	IT	Best Supervisor	Ms. Archana T Singh
Session 2024-25	AI-ML	Best Supervisor	Mr. Arun Rai
Session 2023-24	CSE-IOT	Best Supervisor	Mr. Gautam
Session 2024-25	CSE-IOT	Best Supervisor	Dr. Shipra Srivastava
Session 2024-25	DDCS	Best Supervisor	Dr. Shivani Dubey
Session 2023-24	ME	Best Supervisor	Mr. S.Q. Husain
Session 2024-25	ME	Best Supervisor	Dr. Abhishek Kumar
Session 2023-24	Civil	Best Supervisor	Ms. Taranpreet Kaur
Session 2023-24	EE	Best Supervisor	Dr. Seema Arora

Session 2023-24	ECE	Best Supervisor	Dr. B. Mahapatra
Session 2024-25	ECE	Best Supervisor	Dr. Monika Dixit

Best Coordinator

Session	Dept	Category	Faculty/Student Name
Session 2023-24	CSE	Best Coordinator	Dr. Arun Singh
Session 2023-24	IT	Best Coordinator	Dr. Ajay Kumar Sahu
Session 2024-25	IT	Best Coordinator	Dr. Anand Dhole
Session 2024-25	AI-ML	Best Coordinator	Mr. Uma shanker Sharma
Session 2023-24	CSE-IOT	Best Coordinator	Dr. Gambir Singh
Session 2023-24	DDCS	Best Coordinator	Mr. Uma Shanker Yadav
Session 2024-25	ME	Best Coordinator	Mr. Sandeep Chauhan
Session 2023-24	Civil	Best Coordinator	Mr. Anuj Kumar Sharma
Session 2024-25	Civil	Best Coordinator	Mr. Mukal Attri
Session 2023-24	EE	Best Coordinator	Mr. Nikhil Gupta
Session 2023-2024	ECE	Best Coordinator	Dr. Shiv N. Gupta
Session 2024-2025	ECE	Best Coordinator	Dr. Anil Kumar Dubey

Inter-Disciplinary

Dept	Faculty name
IT	Mr. Deepak Mangal
First Year A	Dr. Preeti Gupta
Civil Engg	Ms. Sanghati Mutsuddi
IOT	Dr. Renu Kaushik
IOT	Ms Shikha Srivastav

Highest Publication Award Category

Dept of Information Technology for session 2023-2024
Dept of Design Data Science and Cyber Security (DDCS) for 2024-2025.

Project Excellence Award Category

1. Dept of Information Technology for session Academic year 2024.
2. Dept Electronics & Communication in Core Engineering branch for Academic year 2024.

Best Project Model Award

Dept Electronics & Communication.

Design and development of Unmanned Aerial Vehicle system for logistic

Ashish Chaudhary, Md. Ashraf Kalam, Atul Gaurav Kumar, Ayush Galiyan, Ankit

Publication of CSE (Scopus Indexed/ IEEE conference paper/ Patent)

S.N.	Student Name	Publication
1	Mayank Kashyap, Harsh Dambhare, Ritesh kumar	Body Dimension Estimation and virtual Try on
2	Anshul, Ankit kumar Gupta, Bhavana Pratihari, Deepaka Maurya	Brain Tumor Detection From MRI
3	Abhishek Kumar Pal, Aditya Raj Parashar, Anurag Yadav, Arjun Yadav	Yoga Recommendation System Using Machine Learning Techniques
4	Rohit Kumar, Shashank Mishra, Saurabh Ojha, Shubham Kumar	Rock And Mine Prediction using Machine learning
5	Md Tausif khan, Tanzim Alam, Mohammad Tanveer	IoT-Based Home Automation System
6	Dheeraj Kumar, Ayush Sharma, Deependra Anand	ML-Based Biometric Authentication and Evaluation for Enhanced Security
7	Pawan Kumar, Mohammed Khalid, Md Yousuf, Mohd Parvez	Lungs cancer image segmentation using various image processing Techniques
8	Mohammad Nazif, MOHAMMAD RAHMAN, Lashika sharma, Ehteshamul mobeen	Monitoring of heart Disease of patients by using Deep learning
9	Aman Kumar Yadav, Abhishek Kumar Jha, Akash Kumar, Aman Kumar Dubey	Deep Learning-based Deepfake Detection using Facial Features and Behavioral Analysis
10	Zahid Raza, Sabeha Najib, Shally Jha	Depression Classification From Social Media Using Machine Learning.
11	Mukul jha, Manish kumar Singh, Nikhil yadav	Performance and Evaluation of Malware detection using ML

Publication of IT

S.N.	Student Name	Publication
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1	Aush Kumar, Ayush Shekhar	Augmented Reality Application for Education and Training
2	ARSHAD AFAQUE SABRI, ASHISH KUMAR, DINESH MISHRA FARHAN ALI, PRIYANSH, SHIKHA KUMARI, GAURAV DHYANI	A FLOOD DETECTION AND AWARENESS SYSTEM USING IOT
3	Sunil Kumar, Ayush Pratap, Sunil Kumar, Tushar Kumar, Shaz Ali khan, Shikha Mishra, Shaz Ali khan, Shikha Mishra, Shivansh Kumar, Shivansh Srivastava	SMART PLANT MONITORING SYSTEM USING IOT
4	Antima Solanki, Anuj Maurya, Md. Beelal Nadeem, Saurav Raj, Shanawaj Khan	Development of Smart toilet under the Swach bharat Abhiyan
5	PURSHARTH CHAUDHARY, RUPESH KUMAR PRASAD, RISHABH SINGH, RISHABH MISHRA	LABORATORY AUTOMATION SYSTEM USING IOT DEVICE
6	SUMIT KUMAR, SUMIT SINGH, APOORV SHARMA, ARPIT KUMAR, AYUSH SHEKHAR SAJAL KUMAR	A SMART WOMEN PROTECTION USING IOT AND OPEN SOURCE
7	VEDANT VAIJANATH TELANGE, VIKASH GUPTA, ALOK KUMAR SINGH, AMAN KUMAR MISHRA, ANUBHAV ANURAG, GAURAV SINGH, PRAJJAWAL MISHRA, VIKASH TIWARY	IOT BASED FISH FEDER SYSTEM
8	ADITYA, ADITYA KUMAR, AKASH NAGAR, ALOK KUMAR UPADHYAY, PURNIMA RANI, MOHD SHAQUEEB, NITISH CHAUHAN, PAYAS SRIVASTAVA, TANMAY GUPTA	SECUREWEAR: INNOVATIVE IOT SAFETY DEVICE FOR PERSONAL PROTECTION
9	AARYAN JAIN, AAYUSH KUMAR, ABHAY GUPTA, ADARSH YADAV, GULSHAN KUMAR, HARSH CHAUDHARY, HARSH KUSHVANSI, ANUJ SHARMA, ASHISH SINGH	INTELLIGENT OBJECT DETECTION: LEVERAGING MACHINE LEARNING FOR IMAGE ANALYSIS
10	ATHARV VERMA, BHANU PRATAP, DAYANAND, ANKUR MALL, ARNAV GULERIA, ARYAN KUMAR, KHUSHI KUMARI	A VISIONCONNECT: AN IOT-ENABLED FACIAL RECOGNITIONBOT FOR ENHANCED SECURITY
11	YASHASWINI CHOUDHARY, SWETA KUMARI, RANU PARUL, RITVIK KUMAR, ROHIT KUMAR RAI, SAKSHAM AGRAWAL, SAKSHI KUMARI,	VOICE-CONTROLLED ROBOT FOR PERFORMING ACTIONS

	SANCHITA PAL, JHANHAVI SRIVASTAVA, SANSKRATI SHUKLA	
12	SARANSH CHOUDHARY, SATYANSH SRIVASTAV, SAURABH SAHU, SAURAV KUMAR, SHAHINA PARWEEN, SHAILY CHANDRA, SHASHANK SHANKAR, SHIVAM GUPTA	MOBILE SURVEILLANCE ROBOT WITH NIGHT VISION CAMERAS FOR REMOTESMARTPHONE-CONTROLLED LOW-LIGHT AREA MONITORING
13	MANSI RAWAT, MD AFNAN RUMI, MEET RAJ, MEGHA SHREE, NAVEEN MISHRA, NITIN RAJ TIWARI, NITISH KUMAR,	LANGUAGE TRANSLATION USING LLM
14	PRINCE GUPTA, RAHIM BEG, RAJ PRATAP SINGH, RAJ PRATAP SINGH, RATNESH KUMAR, RAVI RANJAN, RISHABH SINGH	ATTENDANCE MONITORING SYSTEM USING RFID AND SMS NOTIFICATION
15	OMI KUMAR SINHA, PANKAJ YADAV, PIYUSH MISHRA, PRAKASH KUMAR, PRAKASH TIWARI	IOT BASED HEALTH MONITORING AND FIRST AID SOLUTION PROVIDING SYSTEM
16	ABHIJEET SINGH YADAV, AMAN KUMAR, MAYANK, NISHANT KESHAV, HARSHIT SANKHWAR	SMART APPLICATION FOR IMPROVING AGRICULTURE SECTOR
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Publication of ECE

S.NO.	Faculty/Student Name	Project/Paper/Patent Title
1	Sneha Kumari,Danish Ahmed, Sazia Shafak	Design and Implementation of War Spying Robot with wireless Night Vision
2	Prabhat Kumar Mishra	Unmanned Aerial vehicles surveillance and Monitoring System based on IoT
3	Nishchay Adarsh	Automatic posture correcting chair improve your posture while seated
4	Subham Gupta	Real-Time Audio Enhancement: CIC Filter Design for Improved FIR Filter Performance in Digital Signal Processing
5	Monika Dixit, Mukesh Kumar Ojha, Anuradha Jangi	Design and implementaion of BIST architecture for static paramenter of ADC

6	Bhawna Sachdeva; Anshuman; Nandni Jha; Akshat Raj	Voice Controlled Wheelchair System
7	Mr. Abhinav Kumar Ranjan and Ms. Tanmeet Kaur, Mr. Kamlesh Kumar, Mr. Sumit Kumar	IoT Based Coal Mines Safety Monitoring and Alerting System
8	Tanmeet kaur, Abhishek Singh, Ankit Verma, Shanu	IOT based heart rate monitoring and heart attack detection
9	Anuradha Jhangir, Monika Dixit	Design and Implementation of ADCBIST for dynamic parameter Measurement
11	Anuradha Jhangir, Monika Dixit	An on chip BIST Architecture for ADC Parameter testing and measurement
12	Anil Kumar Dubey, Priyanshu, Rishabh, Prateek Kumar Mishra, Pravesh Chauhan	Communication model design for information exchange during disaster
13	Anil Kumar Dubey, Deepak Kumar Singh, Rohit kumar, Pratyush Kumar Das, Vishal Yadav	Smart automobile ignition locking system to avoid accidents due to alcohol consumption
10	Abhishek Kaushik, Shiv Narain Gupta, Saniya Tyagi, Ganga Sagar Chaudhary, Aayushi Singh, Anshika	Finger print based voting system
11	Sonam Sirohi, Abhishek Kumar, Jaidyumna Arya, Prince Kumar, Pallavi Kumari	Li-Fi data transmission using visible light communication technology
12	Vipin Sharma, Anmol Nigam, Gulshan Kumar Jha, Aryan Singh, Anjali Gupta	IOT and Bluetooth enabled wireless notice board
13	Tanmeet Kaur, Atul Rathaur, Pulkit Tiwari	Design of a Quadcopter Drone
14	Monika Dixit, Souranshu Sanyal	Design and implementation of Low Power CMOS based 18T SRAM utilizing 45 nm Technology
15	Animesh S. Dhingan, Anmol Madan, Chandan Kr Roy, Baibaswata Mohapatra	Design and Development of GPS-Integrated Black Box Suitable for Intelligent Transport System
16	Dr. Mukesh Kumar Ojha, Vaishali Mehlawat	Design & implementation of CIC filter with FIR filter for improved FIR Filter performance in signal processing
17	Dr. Mukesh Kumar Ojha, Mr. Harshit Kumar Mishra, Ms. Sonam Sirohi, Mr. Gaurav Kumar, Ms. Tanmeet Kaur, Mr. Ashwani Patel, Mr. Ayush Galiyan, Mr. Ankit Verma, Mr. Utkarsh Kumar Rai, Mr. Upendra, Mr. Sonu Kumar	Hand Gesture Recognition Device for IoT-Integrated Robot Control using Motion Sensors
18	Dr, Dhiraj Gupta, Dr. Mukesh Kumar Ojha, Dr. Monika Dixit, Ms. Bhawna Sachdeva, Ms. Sonam Sirohi, Ms. Tanmeet Kaur, Suraj Kumar,	A design of earthquake early warning system field of invention

	Vivek Kumar Sharma, Parmanand Yadav	
19	Dr. Kumar Shubham, Dr. Vipin Kumar Sharma, Madhav Kumar, Dr. Mukesh Kumar Ojha, Jayant Choudhary, Id Mahammad, Mithlesh Kumar, Aradhya Singh, Aman Kumar, Abhinav Chaudhary, Atul Pandey	Temperature sensor moving vehicle for getting Accurate Measure in long static objects
20	Ms. Bhawna Sachdeva, Dr. Monika Dixit, Amisha raj, Dr. Mukesh Kumar Ojha, Prakiti, Sweety Dwivedi, Sadiya Parveen, Priyanshu Upadhyay, Riya Singh, Tushar Sharma, Vijay Kumar	Device for detection of alcohol breath analyser

Publications of EE

S.N.	Student Name	Publication
1	Anil Chaudhary, Rishabh Singh, Eahul Singh	Chat GPT Exploring the capabilities and limitation of a large model for conversational AI
2	Siddhant Bisen, Mayank Yadav, Amit Yadav	Coding and Computational thinking Empowering students for digital age proof submitted
3	Kunal	Advanced IoT enabled Irrigation and Precision Seed Sowing System with dual axis solar tracker

Publications of AI-ML

S.N.	Student Name	Publication
1	Arun Pandey, Ayush Srivastav	Heart Disease Prediction using AI

Publications of IoT

S.N.	Student Name	Publication
1	Anjali Rai, Chirag Yadav, Vivek Sengar	IoT based collision Avoidance system for non luxury vechile
2	Piyush Uprety, Roshan Raj	Garbge detection using Machine Learning
3	Komika, Surbhi, Soniya Patal, Neha Bhati	Revolutionizing water storage for high rise building using lorawan

4	Sayan Bhattacharjee, Abhishek Gaurav Jain, Priyanshu	Rainfall Prediction using Machine Learning
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Publications of CE

S.N.	Student Name	Publication
1	Simran, Sanjeev Kumar Kamojh Arqam Shams Anuj Sharma	Feasibility Study on the use of iron ore trailing and glass fiber as fine Aggregates in the concrete
2	Md Arbaz, Zubair Siddiqui, Aditya Jaiswal Shivani Singh	Experimental Investigation of Bambooleaf ash and rice husk ash as partial replacement of cement in concrete
3	Rahul Chaudhary, Shivani Singh, MD Fasihuddin	Wind Analysis of High Rise Building using Etabs
4	KM Nainsi Singh, Aditya Shekhar Yadav, Nadeem Ehsan	Exploring the enhancement of black cotton soil properties through MK-III Polymer and constrach: A Comprehensive Review
5	Sumit singh Rawat, Ravi chaudhary, Md. Raja Saurav Yadav	Design and Analysis of Radiant Cooling System

Photo Gallery



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