



BHAGWAN PARSHURAM INSTITUTE OF TECHNOLOGY

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

ISSUE 3 -VARTAPATRAM (2022-23)

DEPARTMENT'S VISSION

To emerge as a center of excellence producing globally competent and morally sound professionals in The field of Electronics and Communication engineering, who will practice commitment to their profession and dedicate themselves to the service of mankind.

DEPARTMENT'S MISSION

1. To develop state-of-the-art laboratories is providing relevant practical inputs to students.
2. To provide strong knowledge base to students in the area of electronics and communication engineering, and to train them as per requirement of industries and research organizations.
3. To facilitate Institute Industry Interaction to the benefit of stakeholders and to motivate teachers for continuous improvement of their academic standards.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

1. Graduate will have the fundamental and advanced knowledge in mathematics, science, common electronics and communication engineering and design methodologies to successfully accomplish their professional career in industry as an engineer, theoretical lead, practically, in the field of electronics and communication engineering, or become an entrepreneur.
2. Graduate will have strong fundamental knowledge in specialized areas of Electronics and Communication Engineering to contribute towards research and developments through paper publications, projects and pursue higher studies in their specialized fields.
3. Graduate share learn all interpersonal skills and inculcate sense of social responsibilities and environmental concerns so as to make them good leaders and citizens.

PROGRAM SPECIFIC OUTCOMES (PSO)

1. Students will have proficiency in grasping fundamental principles of Electronics and Communication Engineering and effectively applying them across diverse domains, including Semiconductors, Communications, Signal Processing, Antennas, Networking, VLSI, Embedded Systems, and becoming adept in the latest tools and methodologies employed in both research and industry.
2. Student will foster critical thinking to evaluate engineering issues pertinent to Electronics Communication Engineering through the cultivation of profound expertise and skills in the realms of fundamental sciences, engineering mathematics, and core engineering principles, enabling the resolution of intricate engineering dilemmas.
3. Student will be able to acquire the skill to conduct independent research, seek innovative solutions, and make contributions to the progress of knowledge in specialized areas of Electronics and Communication Engineering. Adhere to

PILLARS OF BPIT

STALWARTS

Shri Vinod Vats (Chairman)
Padma Shree Shri Surender Sharma
(Vice-President)

Shri Ram Babu Sharma (General Secretary)

Shri Shambhu Sharma (Secretary)

Shri Sanjeev Sharma (Treasurer)

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Ms. Prachi Kaushik (Asst. Prof., ECE)

Mr. Jatin Gaur (Asst. Prof., ECE)

STUDENT EDITORS

Divya Jain, ECE-2021-25

Alka Singh, ECE-2021-25



DEPARTMENT & ITS SOCIETIES EVENT

With technology becoming increasingly integrated into every aspect of society the college provides education in the field of Electronics & Communication. Electronics & Communication Engineering department has been dedicated to research and teaching. It provides a conducive environment where students are prepared to innovate, solve problems. The department coordinates career opportunities for its students with industry and government agencies. The department has diverse professional faculty members pertaining to different academic backgrounds to deliver and bring the best out of students.

ELECTRONAUT



The Electronauts is a student led electronic society dedicated to post ring enthusiasm when passion for electronics among its members. The society aims to cultivate a vibrant community where students can engage in open dialog and exploration of electronic concepts beyond the confines of the standard curricula aligning with a evolving demands of the modern era. The electron odds prioritize empowering students by owning their technical skills, introducing them to emerging technologies and providing opportunities to work on real world projects. The ultimate goal is to provide members with the expertise and experience essential for a thriving career in electronics and communication



IEEE BPIT



1. IEEE conducted a webinar on open source & development on a big scale.
2. It also conducted #include code competition.
3. SIG on machine learning and python was also a big event conducted by the society and many more events were conducted.



IIC BPIT



The IIC of the college encompasses dynamic and active participation of members from diversified arenas starting from Industry, Start-up Entrepreneurs, Non-Governmental Organizations (NGOs), Environmentalist, Academicians to Student members belonging to different economic backgrounds and social classes.



spoken-tutorial

Powered by:
Ministry of Human Resources and
Development, Government of India.

HIGHLIGHTS OF THE DEPARTMENT

Student Achievements

1. **Amanjyot Singh, Karan Pahwa, Kartikey Pandey** of ECE B second year and **Cherish Sehgal** of ECE A third year secured 1st position in RENDEZVOUS 'Project Expo' competition at KR Mangalam University, Gurugram.

2. **Vaibhav Bhardwaj**, student of ECE B third year become runner-up in Hackathon organized by SRM University, Sonipat with project "BEST USE CASE OF GITHUB".

3. **Cherish Sehgal** of ECE A and **Prakriti Tiwari** and **Randhir Shah** of ECE B 3rd year, secured 1st position in "AURDINO OFFROADING" in ELYSIAN 2023 organized by USAR, GGSIPU University, East campus.

4. **Cherish Sehgal** of ECE A and **Randhir Shah** of ECE B 3rd year, secured 1st position in "ROBOWAR" in 'UTSAV 2023' at Chandigarh Group of Colleges, Jhanjeri, Punjab.

5. **RANDHIR SHAH** of ECE B and **Nishant Jindal** of ECE A 3rd year, secured 2nd position in "ROBOWAR" in UTSAV 2023 at Chandigarh Group of Colleges, Jhanjeri, Punjab.

6. **Randhir Shah, Prakriti Tiwari** of ECE B and **Cherish Sehgal** of ECE A 3rd year secured first position in "Pratibha 2023" at IIMT College of engineering, Greater Noida, with project "Disaster Surveillance and Alerting Vehicle".

7. **Amanjyot Singh** and **Rajtilak Pandey** of ECE B secured second position in "Pratibha 2023" at IIMT College of engineering, Greater Noida, with project "Waste Segregator".



FACULTY ACHIEVEMENT

- Ms. **Prachi Kaushik** has participated and presented Technical poster in the 2-day IEEE SPS Seasonal School on "Quantum Computing and Machine Learning"
- Ms. **Prachi Kaushik** has presented a research paper titled "Mathematical Modelling of Fetal ECG Signal" at the International Conference on Smart and AI Enabled Technology for Sustainable Development organized by NorthCap University, Gurugram, 2023.



EVENTS AND ACTIVITIES

- Industrial visit at Haryana with Prasaran Nigam limited by faculties and students of BPIT taken by **Mr. Rishik Mishra**.
- Lecture on "Entrepreneurship and Innovation" on career opportunities by **Mr. Ascharya Bansal**, Senior faculty member (Ex IES officer).
- Lecture on "Scope of VLSI and embedded systems" by **Harshit Tiwari**, founder Nanodroits.
- National Seminar on "Artificial Intelligence in Power System" by **RK Singh**, former engineer-in-chief.
- Workshop on "Demystifying Data Science using python" by **Miss Avneet Kaur**, Senior Trainer CETPA.

CHEERFUL HOURS



ACADEMIC EXCELLENCE



Heartiest Congratulations to Suhana, Batch 2018-22 from our ECE department, for achieving the prestigious Gold Medal in GGSIPU with a CGPA of 9.66! This remarkable accomplishment is a testament to her dedication, hard work, and outstanding academic prowess. Let's celebrate this momentous occasion and continue to strive for excellence in all our endeavors!