Bhagwan Parshuram Institute of Technology
ELECTRONICS AND COMMUNICATION ENGINEERING
ISSUE-1 VARTAPATRAM 2024-2025
"An investmentinknowledgepaysthebestinterest" —BenjaminFranklin

DEPARTMENT'S VISSION

To emerge as a center of excellence producingglobally 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

To develop state-of-the-art laboratories providing relevant practical inputs to students. To provide a strong knowledge base to students in the area of Electronics & Communication Engineering and to train them as per requirements of industries and research organizations. 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)

PEO1:Graduate will have the fundamental and advance knowledge in Mathematics, Science, Electronics & Communication Engineering and design methodologies to successfully accomplish their professional career in industry as an Engineer, theoretically practically, in the field of Electronics & Communication Engineering, or become an enterpreneur. PEO2:Graduate will have strong fundamental knowledge in specialized areas of Electronics & Communication Engineering to contribute towards research and developments through paper publications, projects and pursue higher studies in their specialized fields. PEO3:Graduate shall 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)

PSO1: Students will have proficiency in grasping fundamental principles of Electronics & 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. PSO2: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. PSO3: 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 ethical principles in engineering practice, research, and innovation, while exemplifying a steadfast dedication to integrity, social responsibility, and sustainable development.

PILLARS OF BPIT

STALWARTS

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Ms. PrachiKaushik(Asst.Prof., ECE)

STUDENT EDITORS

Ankita Gupta (3rd year, ECE-A)

Simran Mishra (3rd year, ECE-A)

HIGHLIGHTS OF THE DEPARTMENT

FACULTY ACHIEVEMENT 🎓

1.DrMegha Agarwal received "Commendable Patent Award" presented for excellence in Research at IGDTUW on 5th July, 2024 for her two granted patents along with a cash award of Rs.1,00,000/-

2.Ms Monika Kaushik received "Premier Research Award" presented for excellence in Research at IGDTUW on 5th July, 2024, for her Transaction paper along with a cash award of Rs. 33,000/-

3.Prof Rajiv Sharma, HOD ECE, participated as a Session Chair during the "International Conference on Smart Cyber Physical Systems" organized by the School of Sciences, CHRIST held on 13-14 September 2024.

4.**Dr Megha Agarwal** successfully completed a 4 weeks (July-Aug 2024) **NPTEL-AICTE course and FDP on "Python for Data Science"** with a **consolidated score of 71%.**

5.Dr. Ritu Rani from ECE department was invited to the "ICAIN-2024" Conference, organized by Guru Tegh Bahadur Institute of Technology, New Delhi

6.Dr Pavika Sharma served as a Reviewer for IEEE Transactions on Network Science and Engineering, Oct 2024.

7.Dr Usha Sharma received PhD from GGSIPU in July 2024 for her work on title "Design and analysis of multiband MIMO antenna for sub6GHz 5G applications".

8.Dr Komal Mehta Bhagat and Ms. Prachi Kaushik have submitted the project proposal entitled Eco-Friendly Wireless Sensor Networks for Monitoring Environmental Changes in Urban Landscapes in DST.

DEPARTMENTAL EVENTS

SEMICON INDIA 2024

A live screening of Hon'ble PM Shri Narendra Modi's address on the India Semiconductor Mission (ISM) was held, highlighting emerging opportunities in the semiconductor industry.

Airtel GET Placement Insight

A Google Meet session on the Bharti Airtel GET placement process was conducted by Ms. Prakriti Tiwari (ECE, 2020-2024), providing insights into the selection stages and preparation strategies.

India Mobile Congress (IMC) 2024

BPIT studentsattended the India Mobile Congress (IMC) at Bharat Mandapam on October 18, 2024. The event focused on emerging technologies like 5G, bringing together experts, startups, and policymakers to discuss key advancements in telecomand tech.

STUDENT ACHIEVEMENT

- The team consisting ofGeetika Behl,Nischay, Daksh Goyal, AatishKumar, Shubham Sharma, Lokesh Singh, students of ECE was the only team selected for final round in Smart India Hackathon2024 .
- Sourabh Singh participated in BVP-HEX hackathon held at Bharatiya Vidyapeeth College on 19th October 2024 and won 1st position & a cash prize of ₹31,000.
- Amit Pandey, ECE student (2014-2018 batch) got selected as Semi Professional Assistant, Library Department, RIE Ajmer, NCERT, Ministry of Education.
- 25 students of ECE final year (2021-2025 batch) have been selected in various reputed companies like BCH, Accenture, Lutron, Virsa Technology. The highest package of 13 LPA is attained.