

# BHAGWAN PARSHURAM INSTITUTE OF TECHNOLOGY

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

## ISSUE-2 ( VARTAPATRAM ) 2024-2025

It is a simple feat of scientific electrical engineering -only expensive -blink,faint-hearted, doubting world.

-Nikola Tesla

### DEPARTMENT'S VISION

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 professions and dedicate themselves to the service of mankind.

### DEPARTMENT'S MISSION

- 1.To Develop state-of-the-art laboratories 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, Electronics and Communication Engineering and design methodologies to successfully accomplish their professional career in industry as an Engineer, theoretically/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 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)

- 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 and 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 ethical principles in engineering practice, research, and innovation, while exemplifying a steadfast dedication to integrity, social responsibility, and sustainable development

# 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)

Prof. Payal Pahwa (Principal)

Shri S N Jha (IAS Retd.) (Director Admin)

Prof. Y D Gaur (Exec. Director)

Shri M S Vats (OSD)

## Chief - Editor

Prof. Rajiv Sharma (HOD , ECE)

## Editors

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

## Students Editors

Himanshu sharma(2nd year,ECE)

Gyanvi(2nd year,ECE)



## DEPARTMENT & ITS SOCIETIES

With technology becoming increasingly integrated into every aspect of society the college provides education in the field of Electronics. ELECTRONIC AND 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. T

## IEEE BPIT



IEEE-BPIT is a technical society which aims to spread technical awareness amongst Students. It helps them to develop their technical skills, to give a professional outlook, and to encourage them to participate in various technical competitions held in various Universities.

Institute of Electrical and Electronics Engineers (IEEE) BPIT is a professional organization dedicated to advancing technology for the benefit of students. IEEE BPIT has several objectives, including :

Advancing technology: IEEE BPIT aims to promote the development and advancement of technology where its student members can work in any field and learn.



## IIC



Ministry Of Education (MoE), Govt. Of India Has Established 'MoE's Innovation Cell (MIC)' To Systematically Foster The Culture Of Innovation Among All Higher Education Institutions (HEIs). The Primary Mandate Of MIC Is To Encourage, Inspire And Nurture Young Students By Supporting Them To Work With New Ideas And Transform Them Into Prototypes While They Are Informative Years. MIC Has Envisioned Encouraging Creation Of 'Institution's Innovation Council (IICs) Across Selected HEIs.



## ELECTRONAUTS

ELECTRONAUTS is a student-led electronics society established to foster enthusiasm and passion for electronics among its members. The Society aim to cultivate a vibrant community where students can engage in open dialogue and exploration of electronic concepts beyond the confines of the standard curriculum, aligning with the evolving demands of the modern era. Mission:

- To provide exposure to the booming technologies in the field of electronics
- To invoke curiosity among the students.



# HIGHLIGHTS OF DEPARTMENT

## STUDENT ACHIEVEMENTS



The team consisting of **Geetika Behl, Nischay, Daksh Goyal, Aatish Kumar, Shubham Sharma, Lokesh Singh**, students of ECE was the only team selected for final round in Smart India Hackathon 2024

Three teams of Electronauts society of ECE department, BPIT has participated in the prestigious EUREKA - Innovative Design Project/Poster Competition at the 4th International Conference on Entrepreneurship, Innovation, and Leadership (ICEIL-2024). One of our incredible teams has brought home the 2nd runner-up position out of 76 teams. The team consists of **Aatish Kumar, Nishchay, Geetika and Priyanka**. The event took place at Amity University Uttar Pradesh, Noida, from 9th to 11th October 2024.

**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.

**Kanishk Garg and Samriddhi Lau** final year ECE students (2021-2025 batch) will present a paper titled "A Novel Multiple Input-Multiple Output Antenna Using Modified Co-Centric Hexagonal Resonator for Wi-Fi and 5G Communication System", in IEEE Conference (2024 IEEE 16th International Conference on Computational Intelligence and Communication Networks (CICN) on Dec 22-23, 2024 at Oriental University, Indore.

# FACULTY OUTREACH & RECOGNITIONS



- **Dr. Ritu Rani** from ECE department was invited as session chair at "AIST-2024" Conference at Indira Gandhi Delhi Technical University for Women, Delhi
- Department of ECE organized "LogicX: Design to Win!" project competition for the students of ECE, 2nd year on 13th November, 2024. The event saw robust participation of 38 teams under the guidance of **Dr Rajiv Sharma (HOD, ECE Dept.)**, **Ms Monika Kaushik (Assistant Professor, ECE)**, **Dr Megha Agarwal (Assistant Professor, ECE)** and **Dr Usha Sharma (Assistant Professor, ECE)**.
- **Dr.Komal Bhagat and Ms.Prachi Kaushik** successfully conducted a 5-day technical workshop on "MATLAB for Engineers: Advance Tools and Techniques" from 4.11.24 to 8.11.24.
- BPIT Shines at GGSIPU's 25th Culmination Event!
- **Dr. Komal Bhagat** represented BPIT, with a special visit from former Delhi Chief Minister, Ms. Atishi, at our stall!

# DEPARTMENTAL EVENTS

## MATLAB for Engineers: Advanced Tools and Techniques



"ICT based STC on "AI for Engineering Applications"

## LogicX: Design to Win Project Competition



# PLACEMENT CORNER



**BHAWESH GANDHI  
DHRUV NARANG  
SAKSHAM GUPTA**

**Tushar Verma**



**Deloitte.**

**APOORV BHARDWAJ  
SAMBHAV JAIN**

**DEEPSHIKHA KARKAULIA  
SIDDHARTH RAWAT  
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