BHAGWAN PARSHURAM INSTITUTE OF TECHNOLOGY

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

ISSUE-1 (VARTAPATRAM) 2023-2024

With a tapestry of circuits and a palette of frequency , our ECE department paints the canvas of progress, where every stroke heralds a new era of connectivity.

-Simran Mishra

DEPARTMENT'S VISION

To emerge as a center of excellence producing globally competent and morally sounds 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 stake holders and to motivate teachers for continuous improvement of their academic standards.

PROGRAM EDUCATIONAL OBJECTIVES(PEO)

1.Graduate will have the fundamental and advance 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 leader 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)

Prof. Y D Gaur (Exec. Director)

Prof. C R Jagga (Deputy Director)

Shri M S Vats (OSD)

Chief - Editor

Prof. Rajiv Sharma (HOD , ECE)

Editors

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

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

Student Editors

Simran Mishra (ECE 2nd Year)

Nandani Chauhan (ECE 2nd Year)

Ankita Gupta (ECE 2nd Year)

DEPARTMENT & IT'S SOCITIES

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. The department has diverse professional faculty members pertaining to different academic backgrounds to deliver and bring the best out of students.

In the world of Electronics & Communication Engineering ,we're not just shaping the future ; we're creating it.

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 it's student members can work in any field and learn.
- Collaboration and networking: IEEE BPIT provides opportunities for students to collaborate with other student chapters, engage in networking, connect with industry professionals etc.

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. A Network Of IIC Has Been Established To Promote Innovation And Entrepreneurship In The Institution Through Multitudinous Modes Leading To An Innovation Promotion Ecosystem In The Campuses.

spoken-tutorial

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

STUDENT ACHIVEMENTS

1. **Utkarsh Dhoundiyal, Ridhima Sharma** student of ECE-B department , secured 1st position at K.R. Manglam University ,Gurugram , they also secured 2nd potion in EUREKA-INNOVATIVE design project /poster compitition at Amity University , Uttar Pradesh, Noida , India.

2. **Abhinesh Kumar, Aatha Sharma, Kaushal Rai** student's of ECE A , bagged 1st position in waste management product at GGSIPU campus organised by e-cell NSS IIT, Delhi.

3. **Amanjyot Singh, Rajtilak Pandey** student's of ECE-B, bagged 2nd position in pratibha 2023 at IIMT collage of Engineering, Greater Noida .

4. **Randhir Shah, Prakriti Tiwari, Cherish Sehgal** student's of ECE Department, bagged 1st position in pratibha 2023 at IIMT collage of Engineering, Greater Noida .

5 **.Nishant Jindal, Randhir Shah** student's of ECE Department, bagged 2nd Position in ROBOWAR at UTSAV 2023.

6. **Cherish Sehgal, Randhir Shah** student's of ECE Department, bagged 2nd Position in RORACE at UTSAV 2023 & also secured 1st potion in ROBOWAR at UTSAV 2023.

7. **Vaibhav Bhardwaj** student of ECE 2nd year bagged 1st Position in Hackathon organised by SRM University, Sonepat.

8. **Cherish Sehgal, Randhir Shah, Prakriti Tiwari** student's of ECE Department, bagged 1st Position in Elysian 23.

9. **Amanjyot Singh, Karan Pahwa, Kartikey Pandey, Cherish Sehgal** student of ECE Department, bagged 1st Position in Rensezvous 2023.

FACULTY OUTREACH & RECOGNITIONS

"In this edition, we shine a spotlight on the exceptional talents and achievements of our faculty members, whose impact extends far beyond the classroom walls."

- Ms. Monika Kaushik's recent paper, "Partially Omnidirectional and Circularly Polarized MIMO Antenna for 5G in sub-6 GHz Band," published in IEEE Transactions, introduces a groundbreaking approach to enhance 5G network efficiency. Emphasizing the sub-6 GHz band, her innovative integration of partially omnidirectional coverage and circular polarization within a MIMO system addresses connectivity challenges, highlighting ongoing innovation in telecommunications..
- Dr. Megha Agarwal has received Patent No. 440822 in August 2023 for her innovative work on a "Two-Port Hexagon Shaped MIMO Microstrip Antenna With Double Stop Bands." This patent marks a notable advancement in antenna technology, showcasing Dr. Agarwal's commitment to pushing technological boundaries.
- Dr. Komal Mehta Bhagat has received Patent No. 379793-001 in Feb 2023 for her innovative work on a "Wireless Smart Camera System." This patent marks a notable advancement in wireless technology, showcasing Dr. Komal Mehta Bhagat commitment to pushing technological boundaries.

DEPARTMENTAL EVENTS

PLACEMENT CORNER

Pristyn Care

DEVESH TIWARI

TEJAS® NETWORKS

CHERISH SEHGAL

newgen

SAKSHAM GUPTA

YUVRAJ SINGH

JELLYFISH TECHNOLOGIES

ANUJ KAUSHIK

hike

AARYAN KUNDRA

HARSHIT

PLACEMENT PARTNER

wipro, SMARTSERV, OLA ELECTRIC, Infosys, MobiKwik, toddle, Microsoft, DataToBiz, Servetel, amazon, NIIT technologies, Polestar, LiDO, XORIANT, ZS, BYJU'S The Learning App, ERICSSON, CONDECO, DXC TECHNOLOGY, ZS Associates, RTDS Technologies, Cyber Group, tcs, Hashedin, NTT DATA, 3PILLAR, cvent, accenture, pibit.ai, MTX, wavex, CYBERTRAPS, cognizant, Capgemini, Gieseke & Devrient, BOARD, squareboat