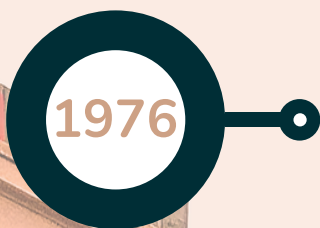




Branch at a Glance

DEPARTMENT OF ELECTRONICS ENGINEERING

Strengthened with highly qualified faculty experts and in-housed with the well-equipped state-of-the-art laboratories, ample computing resources and several R&D projects, the department has established itself in significantly contributing towards academics, research and building brilliant careers for students.



Department of
Electronics
Engineering
was established

DOMAINS OF STUDY

- Seismic Data Acquisition
- Analog Electronics
- Digital Electronics
- Digital VLSI Design
- Signal Processing and Communication
- Electromagnetism
- Control Systems
- Instrumentation and Measurement
- Mathematics and Basic Sciences
- Photonic Integrated Circuits
- Radar Engineering

LABORATORIES - UG, PG

- Digital System Design Lab
- Microprocessor & Micro-controller Lab
- Communication System Lab
- Microwave Engineering Lab
- Analog Integrated Circuits Lab
- Optical Communication Lab
- Analog Integrated Circuits Lab
- Fiber Optics and Laser Instrumentation Lab
- VLSI & Communication Systems Lab

| Courses | Strength |
|------------------------|----------|
| Bachelor of Technology | 136 |
| Master of Technology | 29 |
| GRAND TOTAL | 165 |

PLACEMENTS & INTERNSHIPS

51+ LPA
Max. CTC

15+ LPA
Median CTC

60k / mo
Median Stipend during
Internship

Core Companies



TATA
CONSULTANCY
SERVICES



amdocs

HEXWARE



TEXAS
INSTRUMENTS



ORACLE



Microsoft

Waisi



sprinklr



Research & Development

Meet our HOD



PROF. RAVI KUMAR GANGWAR

(Associate Professor)

17-08-2022 - Present

PhD - Indian Institute of Technology (BHU), Varanasi

Primary Areas of Research

Dielectric Resonator Antennas, Bio-electromagnetics, Microstrip Antennas and antenna arrays



Citations 2576
H-index 30

Achievements

- Z. H. Sholapurwala award - 2023 in the field of the individual category for outstanding contributions in the areas of rf and microwave applications.
- IETE Smt. Ranjana Pal Memorial Award for the year 2020.
- The best paper award in Antenna Testing and Measurement Society (ATMS-2013), Kolkata.

Ongoing & Completed Departmental Research

- Design and Characterization of SBVT for Elastic Optical Networks. The Project is completely funded by the Government and has received a Gross amount of Rs. 15,11,000 from the same. The Project is in collaboration with SERB, New Delhi.
- To Design, Develop and Fabricate a Piezoelectric Sensor Based Ash Level Measurement System. The Project is industry funded and has received a Gross amount of Rs. 20,11,900. The Project has an industry collaboration with National Thermal Power Corporation Limited.
- Study and Design of Wideband Conformal Antenna based on Dielectric Resonator with High Power Handling Capabilities. The Project is completely funded by the Government and has received a Gross amount of Rs. 9,72,000 from the same. The Project is in collaboration with DRDO, Balasore.
- Capacity building for human resource development in Unmanned Aircraft System (Drone and related Technology). The candidates will perform research and development work in various activities of the project e.g., Proof-of-Concept development, generation of IPR, organization of Bootcamps, assisting in the design of Master Trainer courses, etc. concerned with the development of manpower and research in drone electronics. The Project is completely funded by the Government and has received a Gross amount of Rs. 1,50,91,000 from the same. The Project is in collaboration with the Ministry of Electronics and Information Technology, New Delhi.
- Critical Analysis, Design, EM Modeling & Optimization of millimeter wave planar antenna. In this project, department will design a Millimeter-wave planar antenna based on SIW technology at the W band. The Project is completely funded by the Government and has received a Gross amount of Rs. 14,52,580 from the same. The Project is in collaboration with DRDO (CARS), Jodhpur, Rajasthan.
- Development of ceramic dielectric material potentially viable for microwave devices. In this project, Microwave dielectric materials with low dielectric loss will be designed and developed for the development of microwave devices such as radiating patch antennas, dielectric resonator antennas, filters, oscillators and so on, for its use in ISM (Industrial, Scientific and Medical) & PCS (Personal Communications Service) Frequency Band Systems. The Project is completely funded by the Government and has received a Gross amount of Rs. 50,81,546 from the same. The Project is in collaboration with DST, New Delhi.
- Design and Development of Substrate Integrated Waveguide based Self-multiplexing Antennas for 5G communication systems. The project aims to design and develop of Substrate Integrated Waveguide based Self-multiplexing Antennas for 5G communication systems. The Project is completely funded by the Government and has received a Gross amount of Rs. 58,03,410 from the same. The Project is in collaboration with SERB, New Delhi.

Students & Alumni

Active Student Run Societies



Activities organized by the society

- Workshops
- Guest Lectures
- Competitions
- Spectrum, Annual Technical fest of the Department of Electronics Engineering.

Alumni Network

- Prof. Deblina Sarkar, Assistant Professor, MIT; Founder and Director of Nano-cybernetic Biotrek Research Lab
- Utsav anand (Operations program manager, Amazon, Las Vegas(USA))
- Vishal Kumar Gupta (CFO Frontier Pharma, England (UK))
- Swapnil Gupta (Software Development Manager, RIA Advisory)
- Ashish Dulhani (Senior Member Of Technical Staff, Cohesity)

GATE Results

GATE 2024

- Kapil Yadav - AIR 75
- Abhishek Prakash - AIR 98
- Hitesh Kumawat - AIR 226
- Vasudev Khemka - AIR 256
- Gyanam Modi - AIR 1666
- Bonangi Saranya - AIR 5643

