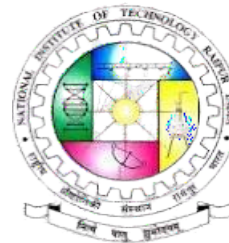




सत्यमेव जयते

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR (NITRR)



Welcome to Department of Electronics and Communication Engineering (ECE)

Our Vision

To be a national leader in imparting quality education, carrying out research and technology development in the field of Electronics and Communication Engineering.

Our Mission

To mould young students into rational thinking engineers. Transforming young students into engineers who are motivated by a passion for professional excellence. To produce engineers who are driven by human values and proactively engaged in betterment of society.

About Us

Established in 1985, our department has a robust intake capacity of 114 undergraduate students and 24 postgraduate students. We offer a comprehensive range of programs, including a B.Tech. in Electronics and Communication Engineering, an M.Tech. in VLSI & Embedded Systems, and a Ph.D. program. Our department is proud of its esteemed faculty, comprising 18 members who bring extensive expertise and experience in their respective domains. This strong foundation ensures that our students receive a high-quality education and are well-prepared for their future careers.

Testing and Consultancy Facilities Services

The department is open to provide consultancy, mentorship, S/W development service and, other innovative product service for Government sectors and Private Organization, not limited to:

Analog Circuits	CRO, Agilent DSO (100MHz), Workbench With DSO Function Generator, LCR Meter, Trainer Kit, Analog-Digital Trainer Kit, Neurosky Mind Wave Mobile
Advanced Communication	Internet of things (IoT) laboratory set-up; Analog and digital communication Modulation Trainer kits; SDR and Optical Fiber Communication Trainer Kits
Computer Vision	Sony Handycam (Video Hi8, Digital 8), Imaging Evaluation kit C64x [A.T.E.M.E.], Webcam basic Multiprocessor Board
Digital Electronics	Trainer kits and instruments TMS320C6711 DSP kits, Scorbot-er2 robotic arm, Transtech TSP36N multiprocessor board, Dayton software radio
Microwave	Microwave test benches, Ansys research HF package, PCB prototyping machine, VNA (18 GHz), Micro strip trainer kits, Desktop workstation,
Embedded System	Texas Instruments ASLKv2010 Starter kit, ASLKv2010 Starter Kit MSP430 Launch Pads, MSP5529/5438 AM335x Sitara Kits, Beagle Board, Beagle Bone
VLSI & Microelectronics	WorkStation HPZ440, Cadence IC6.15, Mentor Graphics Version 10.5_4, Synopsys, Vivado and Xilinx Version 2016.2, Silvaco, SPARTAN-3AN, VERTEX-6, ARTIX-7, COMSOL Multiphysics, Cogenda Visual TCAD
Digital Signal Processing	NIUSRP, Agilent Programmable arbitrary, Agilent 500MHz Mixed Signal Oscilloscope, TIC6713 DSK, Code composer studio, LabView, RF Generator

Join Us in Shaping the Future of Technology !!!

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