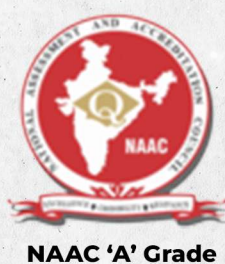




DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

BUILDING TOMORROW'S INNOVATORS IN COMM. & TECHNOLOGY



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THIS IS NIST UNIVERSITY

NIST University, established in 1996 as the first NRI higher educational venture in the state of Odisha. NIST University is a premier research institute in the country today, nestled in the green hills of Pallur, spread over 65 acres of lush green campus with world class academic infrastructure, CRES and GIC, Halls of residence, sport complex and other facilities. It is the dream and vision of the founding members to build NIST as a center of academics and research excellence at par with international research universities in their home state of Odisha. NIST has produced over 18000 alumni who contribute globally in the areas of technology, leadership, entrepreneurship, social and public services. NIST has been ranked highly in the country by various ranking organizations like NIRF, ARIIA, and Times etc including Govt. of India.



OUR VISION

Focused on high quality teaching, creative innovation, entrepreneurship, and universal partnership

OUR MISSION

A research institute committed to academic excellence, fundamental research and innovation, nurturing global citizens, and collaborative engagement

Department of ECE

The Department of Electronics and Communication Engineering (ECE) at NIST University is a hub of academic excellence, research, and innovation. With a focus on VLSI, 5G/6G Communication, AI-based Embedded Systems, IoT, and Signal Processing, the department equips students with cutting-edge knowledge and practical skills to thrive in evolving industries.

Backed by renowned faculty, advanced research infrastructure, and strong industry collaborations, students gain both theoretical expertise and hands-on experience-preparing them for global career opportunities, research, and entrepreneurship.

Why Join Dept. of ECE

- ✓ **Industry-Oriented Curriculum** – VLSI, AI, IoT, 5G/6G, Embedded Systems.
- ✓ **Advanced Labs** – Equipped with cutting-edge research tools.
- ✓ **Strong Placements** – Top-tier roles in semiconductor, telecom & IT companies.
- ✓ **Funded Research** – Projects with govt. agencies & industry partners.
- ✓ **Expert Faculty** – PhD & industry-experienced professionals.
- ✓ **Global Exposure** – International conferences & workshops.
- ✓ **Student Achievements** – Success in hackathons & top internships.



Dr. Rajesh Kumar Patjoshi
(HoD, Dept. of ECE)

Dr. Rajesh Kumar Patjoshi is having over 23 years of experience in teaching, research, and industry, earned his PhD in ECE from NIT Rourkela. He has received multiple awards, including the Best Researcher Award from BPUT, Odisha and the Best Research Scholar Award from NIT Rourkela. With 55+ research publications, 4 Indian patents, and an Outstanding Reviewer Award (2018) from Elsevier, UK, his research focuses on AI-driven VLSI design for deep learning

accelerators, IoT-based network control systems, and RF-VLSI for energy harvesting.

Faculty & Research Expertise:

- ⚙️ AI-based VLSI Design
- ⚙️ 5G/6G Communication
- ⚙️ AI-based Embedded Systems
- ⚙️ Antenna & Microwave Engineering
- ⚙️ Signal Processing, IoT & Communication Networks
- ⚙️ Semiconductor Devices

Research Labs:

- ⚙️ Device Fabrication Lab
- ⚙️ Antenna Fabrication Lab
- ⚙️ Cadence Lab for Chip Design
- ⚙️ FPGA Design Lab

Industry sponsored Research Centres:

- ⚙️ Global Innovation Centre on 5G by Celona, USA
- ⚙️ Navachar Research and Incubation Centre by BSNL, India

Courses offered:

B.Tech

Electronics & Comm. Engg. (ECE)

M.Tech

VLSI & Embedded Systems Design

PhD

Electronics & Comm. Engg.

Skill Development programs offered:

VLSI Design (Chip Design) using Cadence Tools

5G Communication & Wireless Technologies

Academic Labs:

Basic Electronics Lab

Analog & Digital Electronics Lab

Signal System & DSP Lab

Microprocessor & Microcontroller Lab

Embedded system and IoT Lab

VLSI Design Lab

Communication Lab

STUDENT ACHIEVEMENTS



Anmol Bisoyi
BTech, ECE (2021-25)
Hackathon organized by BPUT



Anmol Bisoyi
BTech, ECE (2021-25)
INSANA Summer research internship



Pratik Mohanty
BTech, ECE (2021-25)
Internship at Feng Chia University (FCU), Taiwan



B. Himanshu Reddy
BTech, ECE (2021-25)
Internship at National Changhua University of Edu., Taiwan

STUDENT PLACEMENTS



Himansu Reddy
BTech, ECE (2021-25)
Scaledge Technology



Pratik Mohanty
BTech, ECE (2021-25)
Scaledge Technology



Devender Sharma
BTech, ECE (2021-25)
Scaledge Technology



Anandita Panigrahi
BTech, ECE (2021-25)
Scaledge Technology



Anisha Mishra
BTech, ECE (2021-25)
Scaledge Technology



B. Ajay Rao
BTech, ECE (2021-25)
Scaledge Technology



Bisweswar Sahu
BTech, ECE (2021-25)
Scaledge Technology



D. Rahul
BTech, ECE (2021-25)
Scaledge Technology



Aman Singh
BTech, ECE (2021-25)
ARF Design



R. Naveen Kumar
BTech, ECE (2021-25)
ARF Design



Prachi Raj Singh
BTech, ECE (2020-24)
Knowledge Lens



Shekhar Chakraborty
BTech, ECE (2020-24)
XEEDO Technology



Priyanka Maharana
BTech, ECE (2020-24)
XEEDO Technology



Aditya Kumar Sahu
BTech, ECE (2020-24)
CorEL Technology

& MANY MORE..

HIGHER STUDIES ABROAD



V Someswar Rao
BTech ECE, 2020-24 Batch
National Tsing Hua University (NTHU), Taiwan



Vivek Ranjan
BTech ECE, 2020-24 Batch
National Tsing Hua University (NTHU), Taiwan

& MANY MORE..

ALUMNI ACHIEVEMENTS



Mr. Soumya Dash
ASIC Design Verification Engineer,
Google, California, USA



Mr. Abhijeet Pattnaik
SoC Design Engineer,
Intel Corporation, Illinois, USA



Mr. Hari Bandhu Sahu
SoC Verification Lead,
Intel Corporation, Bengaluru, India



Mr. Badri Narayana Patro
Senior Research Scientist,
Microsoft India

& MANY MORE..

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