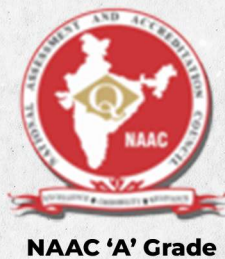




DEPARTMENT OF **ELECTRICAL ENGINEERING**

TO BE AN ELITE ENGINEER



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Institute Park, Berhampur, Odisha-761008



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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

Dept. of Electrical Engg.

The Department of Electrical Engg. is one of the oldest and most prominent departments at the NIST University. Established in 1996, it has been a major academic unit of the institute since its inception. The department comprises two departments: Electrical Engineering (EE) and Electrical and Electronics Engineering (EEE). With a team of highly qualified faculty, the School of Electrical Sciences offers undergraduate (B.Tech), postgraduate (M.Tech in Power Systems), and doctoral (Ph.D.) programs. The department is distinguished by its strong faculty, with most members holding Ph.D. degrees and possessing expertise in various domains of Electrical Engineering.

Why Join Dept. of Electrical Engg.

- ✓ **Career Opportunities** - Graduates explore job placements, higher education, and entrepreneurship, with an average of 60% placement over the last 2 years.
- ✓ **Industry Collaborations** - Students gain hands-on experience through internships and commercial projects with industry partners.
- ✓ **Scholarships & Assistantships** - Merit based financial support.
- ✓ **Holistic Development** - Focus on values, ethics & collaboration.
- ✓ **Modern Campus** - Top-tier academic & lab facilities for dynamic learning.



Dr. Sasmita Padhy
(HoD, Dept. of EE)

Dr. Sasmita Padhy, Head of the Department, is a distinguished academician and leader in Electrical Engineering, with 20 years of dedicated experience in teaching and research. She has made significant contributions to Power System Stability, Control, Microgrids, Smart Grids, and Soft Computing Techniques, with numerous research publications in reputed international journals. Beyond academics, she plays a pivotal role in shaping institutional policies, serving as a key member of committees such as the Anti-Ragging Committee and the Women Empowerment Cell. A person of strong principles and discipline, she is committed to fostering an environment of academic excellence, ethical conduct, and student welfare.

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Academic Laboratories:

- ⦿ Basic Electrical Engineering, Network Device
- ⦿ Electrical Machine, Control System, Power Electronics
- ⦿ Electric Drives, Power System Simulation
- ⦿ Electrical Power Transmission and Distribution
- ⦿ Renewable Energy, SERB sponsored Synchro-phasor

Research Laboratories:

- ⦿ Renewable Energy Laboratory
- ⦿ Power system Simulation Laboratory
- ⦿ Synchro-Phasor Laboratory

High-end Equipments:

- ⦿ Siemens PLC
- ⦿ DC shunt Motor Control Module
- ⦿ Class E Chopper Module
- ⦿ Grid connected Induction Generator
- ⦿ Three phase Alternators (5 sets)
- ⦿ Electrical Machine Trainer (Turbo Model)
- ⦿ PV Cells with grid model (Eco-Sense Solar Set)
- ⦿ Hybrid Vehicle (Motor based Automobile)
- ⦿ Solar Thermal Systems
- ⦿ Tetrixprime Mobile Robots

Courses offered:

BTech

Electrical and Electronics Engg.

BTech LE

Electrical Engineering

MTech

Electrical Engg. (Power systems)

PhD

Electrical Engineering

Licensed Software:

Snyider PLC Firmware

Siemens C2000 plc firmware

Labview 2017 development version

MATLAB with add on tool boxes like optimization

Statistical machine learning

Embedded system

Internet of Things

Power System Computer Aided Design (PSCAD) software

Electrical Transient Analyser Program (ETAP) software

PLACEMENT : OUR FORTE



Swagat Anshuman Dash
Vishakha Group



Sridhar Mohanty
Vishakha Group



Pratima Sahu
Flexcoders



Somesh K Sahu
Apollo Tyres



K Sekhar Kanyari
Windcare India



Ashutosh K Sahu
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