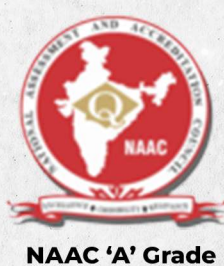




DEPARTMENT OF MECHANICAL ENGINEERING

DESIGNING THE FUTURE, ONE MECHANISM AT A TIME



CONTACT US AT
+91 720-532-6478



Institute Park, Berhampur, Odisha-761008
www.nist.edu

Connect With Us:



@NISTUniversity

THIS IS NIST UNIVERSITY

NIST University, established in 1996 as the first NRI higher educational venture in the state of Odisha. NIST 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 Mechanical Engg.

Established in 2012 with 60 students, the Department of Mechanical Engineering has evolved to meet industry demands through specialized training in AutoCAD, CNC, Ansys, NDT, Creo, HVAC, and Welding Inspection. It offers GATE coaching to support higher studies and public sector careers. Faculty regularly publish in reputed journals like Elsevier, Springer, and Taylor & Francis, while students contribute to conferences and collaborate on final-year projects.

The department maintains strong placement records and encourages graduates to pursue advanced education in top institutions such as IIT Kanpur, IIT Mandi, and international universities in Taiwan, the UK, and the USA.

Why Join Dept. of Mechanical Engg.

- ✓ **Expert Faculty** - 70% Ph.D. holders; global university tie-ups.
- ✓ **Career Ready** - 60% placement; jobs, higher studies, entrepreneurship.
- ✓ **Industry Connect** - Internships, projects, and paid research roles.
- ✓ **Financial Support** - Scholarships, assistantships, and grants.
- ✓ **Hi-Tech Labs** - Mechatronics, Production, Wind Tunnel, and more.
- ✓ **Clubs & Events** - 12 active technical and cultural clubs.
- ✓ **Mentorship** - Full-time guidance from admission to graduation.



Dr. Souren Misra
(HoD, Dept. of ME)

Dr. Souren Misra obtained his Ph.D. in Aerodynamics from the prestigious Indian Institute of Science (IISc), Bangalore, India, in 2014, within the Department of Aerospace Engineering. He earned his Master of Engineering in Mechanical Engineering from M. S. University of Baroda, Vadodara, India, in 2005, and his B. Tech in Mechanical Engineering from Berhampur University, Odisha, India, in 2001. Currently, Dr. Misra is an Associate Professor in the Department of Mechanical Engineering at NIST, Berhampur, Odisha, India. With over 9 years of teaching experience and 19 years of research expertise, he remains committed to advancing the field. Additionally, he has successfully completed a SERB project, further contributing to his academic and research portfolio.

Program offered:

B. Tech

M. Tech

PhD

Academic & Research Laboratories:

- Drone CRE
- Heat Transfer
- Kinematics and Dynamics
- Material & Testing
- Fluid Mechanics and Hydraulic Machine
- Advanced Production
- Refrigeration & Air Conditioning
- CAD/CAM
- Engineering Drawing
- Engineering Thermodynamics
- Internal Combustion Engine
- Central Workshop

Licensed Software

Ansys



Research Projects

- Dr. B. Sambhi Reddy: Research project titled "Design of Orthopedic Material for Artificial Hip Prosthesis". The project grant is for a sum of Rs. 2.7 Lakhs for 2019-20 by Collaborative Research and Innovation Scheme (CRIS) Under TEQIP-III, BPUT Rourkela.
- Dr. Souren Misra and Mr. Santosh Kumar Panda: Research project titled "Low dissipative positivity preserving grid-free solver for Euler equation". The project grant is for a sum of Rs. 11.05 Lakhs for 2017-19 by Science and Engineering Research Board (SERB).

STUDENT PLACEMENTS



Bibhuti Kumar Panigrahy

BTech, ME (2021-25)

Utkarsh Group & Windcare



Kailash Chandra Patro

BTech, ME (2021-25)

Zenus group



Pramod Panda

BTech, ME (2021-25)

Zenus group



Md Faiz Ahmad

BTech, ME (2021-25)

Trading and CFDs company

& Many More...

ALUMNI ACHIEVEMENTS



Ram Kumar

Assistant Manager,
DRA Infracon Ltd



Md Faiz Ahmad

Trading & CFDs,
DRA Infracon Ltd



Swagat Suman Dash

MBA-HRM,
XIM

OUR ESTEEMED RECRUITERS



& Many More...

JOURNALS & CONFERENCES

- Md. Rizuddin, Santosh Kumar Panda*, Achyutananda Parida, G. Vasudev, Heat transfer analysis of a mild-steel based arc welding, Journal of Materials & Metallurgical Engineering, 2025
- Santosh Kumar Panda, Pankaj Kumar, Subham Bala, Experimental and numerical analysis of drag force over stepped cylinder at super-critical flow regime, 5th International conference on advances in mechanical Engineering, 20-22nd March 2024, SRM University, Chennai.

FACULTY AWARDS & RECOGNITIONS

Mr. Santosh Kumar Panda, Dr. Aswini Kumar Khuntia and Dr. Souren Misra: Awarded with "GOURI SANKAR SAHU MEMORIAL AWARD" by the Institution of Engineers (India) on 23rd March, 2024 for the paper entitled "vibrational analysis of Supra Vehicle".

