MASTER OF TECHNOLOGY

69th All-India Rank by NIRF, MHRD, Govt. of India 2016

NAAC (UGC) accredited NIST With Grade ‘A’

66th All INDIA Rank by OUTLOOK 2016

2nd in Eastern INDIA & 13th in INDIA by DATAQUEST 2016

No. 1 Private Engineering College by BPUT Students
The National Institute of Science and Technology (NIST) was established in 1996 and is being managed by the SM Charitable Educational Trust under the vision and guidance of its renowned philanthropist and educationist Chairman, Sri Surendra Mudali. The Institute is approved by the All India Council for Technical Education (AICTE under MHRD, Govt of India) and is affiliated to the Biju Patnaik University of Technology (BPUT). The Institute campus of 60 acres is located at the picturesque Palur Hills about 12 kms from Berhampur and 3 hours drive from Bhubaneswar. The Institute has grown by leaps and bounds under the able leadership of its founder Director, Prof. Sangram Mudali, Director (M.S., University of Houston, B. Tech., IIT Kanpur), Prof. (Mrs.) Geetika Mudali, Placement Director, (M.S.(MIS), New Jersey Institute of Technology, NJ) & Prof. Ajit Kumar Panda, Principal, (Boystcast Scholar at University of Michigan, USA).

About NIST

Director
Prof. Sangram Mudali


Placement Director
Prof. Geetika Mudali

Engineering Graduate from Osmania University and M.S from New Jersey Institute of Technology, USA, in Management Information Systems. Worked with several IT companies. Founder and Promoter of NIST and worked unceasingly for the growth of the Institute. Lays special emphasis on personality development among students. Under her stewardship, the NIST group has tasted quality success, bringing the top IT firms of India to Odisha for the first time. Her research interest is in the areas of Cloud Computing, Big Data Analytics, Data Warehousing and Data Mining. She is the key initiator of many Institute-Industry partnerships at NIST. She was awarded the ‘Bharat Jyoti Award 2013’ for her contribution in education services and achievements.

Principal / Dean
Prof. Ajit Kumar Panda

Ph.D. in Microelectronics from Sambalpur University. CSIR Fellow during Ph.D., with the CSIR Research Award. Received the BOYSCAST fellowship from the Department of Science & Technology, GOI and pursued his Post Doctorate work in Microelectronics at University of Michigan, USA. Recipient of ICTP regular associate for six years for collaborating with ICTP Microelectronics Laboratory, Italy. Coordinator of TIFAC CORE in “3G/4G Communication Technologies” at NIST. Published 72 International Journal papers and presented work in more than 100 International/National Conferences on VLSI and Microelectronics. Has also developed the world standard VLSI lab of NIST. Has guided 10 Ph.D. candidates and 30 M.Tech students. He is a IEEE ED Distinguished Lecturer.

Course Coordinator M.Tech
Dr Ch. Murthy

M.E in Power Systems and Ph.D in Engineering from BIT, Mesra. More than 8 years of teaching experience to his credit. Published more than 15 research papers in journals and conference proceedings. Won the PPSA-2016 Award conducted by Power System Operation Corporation (POSOCO) India. Ph. D thesis adjudged as the best PPSA-POSOCO Power System Award. Has been a Member of International Technical Committee for IEEE 15th and 16th International Conference on Environment and Electrical Engineering conducted in Rome, Italy. His interest lies in the areas of Optimal Placement of Phasor Measurement Unit (PMU), Reliability Evaluation of PMU. He is a Member of IEEE.
Specializations in M.Tech.
- Electronics and Communication Engineering
- Computer Science and Engineering
- Electrical Engineering
- Wireless Communication Technology
- VLSI and Embedded Systems Design
- Electronics and Instrumentation Engineering

Admission into 2 Year Full Time Industry Integrated M.Tech Courses with Internship

Outstanding Research Achievements 2016-2017
- VLSI Chip Design, First time in Odisha under ‘In Chip Program of Govt. of India’.
- NIST is a DSIR, Government of India, certified and recognized industry R & D Center.
- 100+ faculty publications & 20 student publications in reputed journals & conferences.
- Four students & five faculty members attended conferences abroad for paper presentation.
- 38 summer research internship from different institutes including IITs & NITs - only private Engineering college in India.

Advanced Research Labs @ NIST
- Radiation Meas. Lab
- Device Fabrication Lab
- CADENCE Lab
- Microwave Meas. Lab
- LTE & WiMax Lab
- VLSI Design Lab
- Embedded System Lab
- Optoelectronics Lab
- NI LabVIEW Lab
- Software Engineering (IBM) Lab
- HPC and Cloud Computing Lab
- Nanotechnology Lab
- Internet of Things Lab
Industry Academia Collaborations

MoU with Industries
- ESSCI - Training Partner for Skill Development
- CADENCE - Academic Alliance Partner
- IBM Center of Excellence
- Infosys Campus Connect Program
- Wipro - Mission 10X
- CISCO - CCNA Partner
- SAP - SAP University Alliance Partner
- Mphasis - College Connect Program
- ARM - Research Funding
- Texas Instruments - Research Funding
- National Instruments - Academic Alliance
- SunMoksha, Bangalore - Collaborative R & D
- Sankalp Semiconductor - Collaborative R & D

International R & D Collaborations
- University of Electro Communications (UEC), Japan
- Academia Sinica, Taiwan,
- Bumel University London, UK
- Myongji University, Seoul, South Korea

M.Tech Research Project Collaborations
- G. S. Sanyal School of Telecommunications, IIT KGP
- CEERI Pilani
- Sankalp Semiconductor, Bhubaneswar
- FTD, Bengaluru
- Sovereign Technology, Bengaluru

Projects and Grants Received
- Grant of Rs. 9.35 Crores by TIFAC, DST
- DST Funding of 1 Crore for FIST, 50 Lakh for EDC
- SERB DST Funding of 85 Lakhs
- DST Funding of 27 Lakh for VLSI Research Project
- Over 25 Lakh of funding from DST/CSIR
- Over 30 Lakh of funding from AICTE for SDPs
- MSME grant 52 Lakh for Entrepreneurship
- 250 Research Publications
- Collaboration with IIT/ KGP – Lab on Demand Project
- Own Technical Consulting Wing: NTCS
- Innovation Products
- Educational ERP
- Renewable Energy Solutions
Summer Fellowship

The Institute has started Summer Fellowship Programs for students and faculty members of all AICTE approved Institutes. The aim of the program is to facilitate talented student interns/faculty to work under the guidance of highly experienced research professors resulting in R & D publications, Term Papers, innovative UG & PG Projects, PhD Topics, etc.

Industry Oriented Summer Courses

- Electronic Design Automation Software Tools for VLSI/ASIC Design
- Advanced Industrial Automation Technology
- Embedded System and Embedded VLSI
- Graphical System Design using LabVIEW
- High Performance Computing & Algorithmic Simulations
- Certification Course Cisco Certified Network Associate (CCNA)
- Renewable Energy Systems Design and Analysis
- Nano Electronics Design and Fabrication
- Java and Android Programming

NIST Incubation Center

- Gesture Recognition System
- SMS Based NEWS Display System
- AquaScript - A moving Water-Droplet Based Messaging System
- SunMoksha - Clean Technology & Sustainability Solutions
- Solanix Technology: Noiseless Solar Grass Cutter
- K-Technologies: Robotics
- WiZ-BiZ Technology: WiFi Electronics Guide
- Corporate Gurukul: MOOC on Softskills
**Faculty Hall of Fame**

- **BOYSCAST Fellowships** 4
- **FULLBRIGHT Fellowships** 3
- **Samanta Chandra Shekhar Young Scientist Awardees** 4
- **URSI Young Scientist Awardees** 3
- **AICTE Emeritus Professors** 4
- **Faculty with Ph.D. Degrees** 65
- **Faculty with Post Doctorates** 25
- **Faculty from IIT’s, IISc & ISI** 45
- **Faculty from Foreign Universities** 21
- **Humboldt Fellowships** 1

**Facilities**

60 acre green and eco-friendly campus, 5 Lakh square feet of built up space | 1200 seated boys hostel & 600 seated girls hostel on Campus | 800 seater hostels outside campus | Food Court serving hygienic food | Swimming pool | Wi-Fi enabled entire campus & hostels | Tennis courts | Gym | Medical center | Billiard room | Dedicated 130 mbps Connectivity | Multimedia Library | Smart Digital classroom | NPTEL Courseware from IITs | Digital Library | 40000 sqft. Indoor Stadium

**Clubs at NIST**

- Renewable Energy
- Excel - Coding
- EUREKA - Library
- Innova - Innovation
- Art & Dramatics
- Multimedia
- NIST Musical Society
- Sports & Adventure
- Electronics Hobby CLUB
- Yoga & Fitness
- Swimming
- CAT Club
- Astronomy
- Robotics
- EDC
NIST provides a Scholarship of Rs. 3000/- Per Month to non-GATE students and Rs. 8000/- Per Month for GATE students [as per AICTE Norms].

DST (Govt. of India) sponsored TIFAC CORE in “3G/4G Communication Technologies”, Only such center in India, with an investment of Rs. 10.0 Crore.

CADENCE Center of Excellence (only such center in India) for full semester training on CADENCE tools with guaranteed Placement.

IBM Center of Excellence for research in S/W Engineering, Testing, Security, Database Management, Data Mining and Warehousing.

National Instrument’s Lab View Academy to promote research in the field of Electronics Instrumentations.

100% Placement of M.Tech students in CG-Corel, Sankalp Semiconductor, Nokia Siemens, CADENCE, Sasken, Phillips, Qualcomm, Wipro VLSI, L&T Emsys, Adya Systems, PCS, TCS, Altera and other various research organizations

State of the art laboratories for ECE, CSE, EE, EI, VLSI, Embedded & Wireless Communication Technology branches. TEXAS INSTRUMENTS (TI) Center for DSP.

Most of the M.Tech project works are based on collaborative research projects either with industries like National Instruments (NI), CADENCE, ARM, Adya, Syscon or with top research institutes/organizations of India.

Ph.D. and M.S. faculty from IITs and US are teaching M.Tech students.

Unparalleled 100% placement since 2004.
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Fax: 0680-2492627

Email: admission@nist.edu