

 **CHRONICLE**

The NIST logo consists of the letters 'n', 'i', and 's' in a lowercase, sans-serif font, with a degree symbol (°) positioned above the 'i'. The letters are dark blue. To the right of the logo, the word 'CHRONICLE' is written in a bold, uppercase, sans-serif font, also in dark blue.

# **2022 ANNUAL REPORT**

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NIST Institute of Science and Technology (Autonomous)

[www.nist.edu](http://www.nist.edu)

# Annual Report 2022

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## ABOUT NIST

**NIST (Autonomous)** is promoted by SM Charitable Educational Trust. The Trust was established in 1995 by Dr.Sukant K Mohapatra and Ms.Sanjeeta Mohapatra (both are NRIs based in the US) as Founder/Donor Trustees. Dr.Sukant Mohapatra is the founder chairman of the Trust and NIST, supporting and providing visionary guidance for NIST to become a world-class institute. NIST was established in the year 1996 by a group of academicians and technocrats educated in the top institutes of India and abroad. It is the first NRI educational venture in the state of Odisha and the first engineering college under Berhampur University and southern Odisha. The primary objective of the founders was to promote NIST as a center of academic excellence and research at par with international universities in their home state of Odisha. Keeping true to its core value, mission and vision, NIST has become top-notch institute in the state and country since its establishment in 1996.

### 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.



### CORE VALUES

**Truth:** In the pursuit, dissemination, and application of knowledge

**Belief:** In respect, integrity, compassion, diversity, and teamwork

**Excellence:** In academics and research

**Encouragement:** For freedom of thought, expression, and viewpoint

### Ranking and Accreditation:

- NIST is an Autonomous Institute - Status accorded by University Grant Commission
- NAAC has Accredited NIST with a Grade 'A' with a high score of 3.22
- NIST is NBA accredited
- NIST is ranked 69th by NIRE, MHRD (Govt. of India), and 1st among all engineering colleges under BPUT (Affiliating University) in 2016
- NIST is ranked 66th among Engineering colleges in India by DATAQUEST in 2020
- NIST is ranked 60th in all of India by OUTLOOK in 2019
- BPUT Students has ranked NIST as the No.1 Engineering Institute among 100+ engineering institutes of Odisha through public voting.
- NIST has bagged the prestigious eINDIA 2013 Award at an event held in Hyderabad on July 23 under the "Best Teaching Learning Institute" category.
- NIST bagged the "Best Technical Institute in R&D Activities" in the State of Odisha on the eve of Engineers' Day in 2013.

### National Level Laboratories:

- **DST-FIST Centre:** Vector network Analyzer (up to Ku - band), BENCHMARK WiCOMM-T Wireless Digital Communication Training System, ASIC Tester Model: Nikki ASIC, VEE Software, Microstrip Antenna Fabrication Unit, Power Supply, Measuring instruments, Fibre Optics trainers, Microwave Test bench, Antenna Trainers for communication Lab.
- **TIFAC CORE Centre:** LTE Laboratory, WiMAX Laboratory, SDR Laboratory, MIMO & WSN Laboratory, Embedded System & VLSI Laboratory, Device Fabrication Laboratory, Measurement and Testing Laboratory.
- **Advance Computing Center:** High-Performance Computing Laboratory with 1 Master+3 Slaves High-End Servers with 16 Core Processors in each server. Centers of Excellence was established in partnership with Industries such as CADENCE, IBM, SAP Asia Pacific, National Instruments, Texas Instruments, and ARM, WIPRO and others.
- **Centers of Excellence:** Center of Mechatronics, Center of Image Processing & Cryptology, Center of Knowledge Engineering, Center of Industrial Automation Control, Center of Renewable Energy & Center of Nano Technology.

## ACADEMIC PROGRAMS

NIST has been providing quality academic program (both long term & short term) in its different colleges. The details of the courses in several colleges are mentioned below.

### COLLEGE OF ENGINEERING

#### B.Tech.

- Civil Engineering
- Computer Science & Engineering
- Computer Science & Technology
- Electrical Engineering
- Electronics & Communication Engineering
- Electronics and Computer Engineering
- Electrical & Electronics Engineering
- Information Technology
- Mechanical Engineering
- Computer Science & Engg. (AI & ML)\*
- Computer Science & Engg. (Cyber Security)\*
- Computer Science & Engg. (Cloud Computing)\*

#### M.Tech.

- Electronics and Communication Engineering
- Computer Science Engineering
- VLSI & Embedded Systems Design
- Electrical Engineering

#### MCA

#### Ph.D

- Engineering
- Management

### COLLEGE OF SCIENCE

#### M.Sc.

- Department of Physics
- Department of Chemistry
- Department of Mathematics
- Data Science

#### B.Sc.

- Department of Physics
- Department of Chemistry
- Computer Science (Hons)
- Information Technology Management (ITM)

### COLLEGE OF MANAGEMENT & LIBERAL ARTS

#### MBA

#### B. Com

### EMPLOYMENT ORIENTED COURSES

### SKILL DEVELOPMENT PROGRAM

\*Approval Pending

## PLACEMENT

NIST has always been a much-favored talent hunting ground for the corporate world as it delivers industry-ready students. NIST has produced thousands of professionals in various disciplines, including Engineering, Science and Management. Over 16000 NIST alumni today contribute in technology, leadership, management, public and social services around the globe. Placement is one of the advantages that NIST has offered since its inception. It has an impeccable record for campus placement. A well-organized placement team under the leadership and guidance of the Hon'ble Chairman, Dr.Sukant K. Mohapatra, streamlines the recruitment process and helps students get the jobs of their choice. For the 2018-2022 batch, the highest CTC of INR 21 LPA with an average of 5 LPA is offered during the current placement session, where more than 160 companies, like Western Digital, McAfee software, HP, Texas Instruments, Wipro, TCS, ICICI Bank, India Mart, PWC, Berger Paints, Tata Power, Tata Steel Mining, Adani Group, Cognizant, Hindustan Construction Company, Reliance Retail, Tech Mahindra, Flipkart among various others, have recruited with more than 600 Offers.

In the past few years, we have seen the best placement record in the history of NIST, irrespective of COVID-19 pandemics and challenges. Jumping to 2019 - 2023, Campus Placement take off a slow start this season amid global recession. Also layoffs in big tech firms is a major cause for overall hiring slowdown, that impacted campus hiring volume & velocity in 2023. A drop in hiring seen as a move to compensate for hyperactive hiring in 2022.

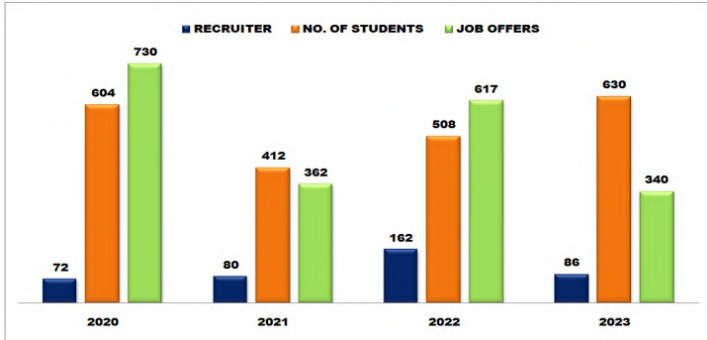
Out of all these ups & downs, the students were provided ample opportunities with around 85+ recruiters who interviewed and provided job opportunities to our students with 340+ offers till date. The Highest CTC offered is 19.15 LPA and the Average CTC till date is 5.6 LPA. The recruitment for 2023 graduating batch is still continuing and we expect more results that are pending from our esteemed recruiters. Companies like Comviva, TCS, Berger Paints, Western Digital, Glenmark Life Science, TATA Power, Net Cracker, ICICI Bank, Zenus Group, McAfee Software, Texas Instruments, Sterlite Technologies, Adani Group, Hexaware Technologies, Hindustan Construction Company, GATI-KWE, PWC, Marquee Semiconductor, IndiaMart, TATA Steel, TATA Steel Mining, HP, ITC LTD, Titagarh Wagons, Tech Mahindra, ATOS etc among many others have recruited our students.

However, the current scenario of enterprise layoffs & hiring slowdown will still have its impact on mass hiring & volume despite all we have opportunities to improve and do better, and a long way to go.

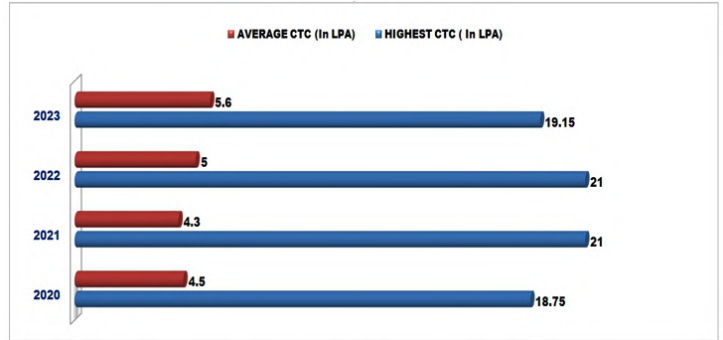


# PLACEMENT

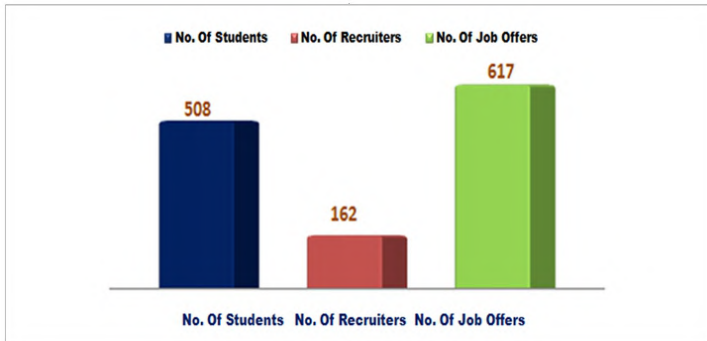
## PLACEMENT AT A GLANCE



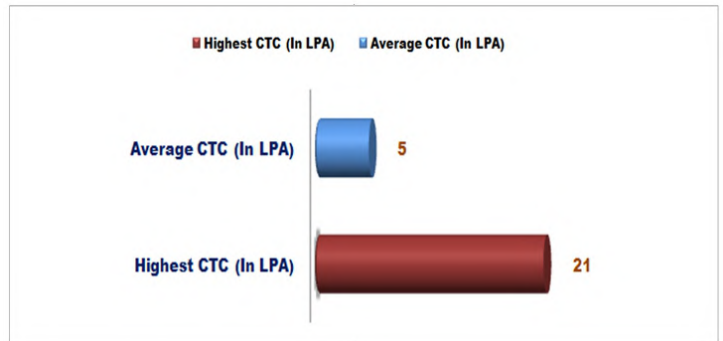
## SALARY OFFERED



## PLACEMENT 2018-22



## CTC OFFERED 2018-2022



**Ms. Deepika Padhy**  
BTech, ECE, 2019-23

**Western Digital**  
**19.15 Lakhs**  
per annum



**Ms. Ritu Tamarna Dash**  
BTech, ECE, 2019-23

## ESTEEMED RECRUITERS



## INCUVATIONS

NIST focuses on innovation and incubation where a project can successfully turn into a product. It has set up INCUVATIONS Foundation, a Section-8 entity (Non-profit) specializing in technology startups offering products and services exploiting technological expertise in the sectors of IoT (Internet of Things), CleanTech and ESDM (Electronics System Design and Manufacturing). Here students get to know about and solve the real problems in the industry and society with innovative solutions.

### FACILITIES AT INCUVATIONS



CO-WORKING SPACE



MENTORSHIP &amp; NETWORKING



SEED FUNDING &amp; INVESTMENT



TECHNICAL SUPPORT



LEGAL &amp; TAXATION CONSULTANCY



MARKETING &amp; ANALYTICS CONSULTANCY

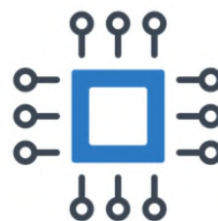
### SECTOR FOCUS



INTERNET OF THINGS



RENEWABLE ENERGY



ESDM

INCUVATIONS strives to nucleate and nurture technology and knowledge-based enterprises by leveraging the scientific and engineering competencies of NIST. It aims to empower and enable scientists and engineers in pursuing technology, innovation and entrepreneurship objectives. The core activities of INCUVATIONS are:

- Nucleation of new business by creating the environment and opportunities for know-how providers, entrepreneurs and financiers to meet each other and form business teams.
- Nurturing businesses through their start-up phase by creating and running an efficient business incubator offering not only space but also access to technology support, business mentoring, networks, scientific and information resources, and a generally conducive and supportive environment.
- Promoting and running an active program for identification, creation, acceleration and translation (into practice) of technology ideas suitable for new venture creation.
- Run an active and effective program in building and sharing resources, networks, competencies and special expertise in selective areas at the interfaces of technology and innovation, business and entrepreneurship, and government and policy.

It is in the forefront of enabling business incubation and startups. NIST invites commercially viable Business Proposals/Business Ideas/Innovations on Product/Process/Service from its potential entrepreneurs and innovators who wish to see their business ideas get incubated at NIST campus. Every viable idea gets monetary support ranging from Rs.4 lakh - Rs. 8 lakhs, depending on the idea and money required to commercialize it. Over the years, it has helped several incubates make a mark for themselves designing and delivering successful solutions.

### RECOGNITIONS AND COLLABORATION

1. Startup Odisha Recognised Nodal Centre

2. Startup Odisha Recognised Incubator

3. Outreach centre of incubation for IITK

4. MSME Host institute Business Incubator








## INCUBATIONS

### PARTNERS

### RECENTLY INCUBATED

				
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The Technology Business Incubator at NIST has the following state of art product development capacities in terms of various research laboratories supported under various projects from Govt. Agencies and Industries.

- NIST Incubation Center for ESDM in collaboration with Electronics Sector Skills Council of India (ESSCI), a Sector Skill Council formed under the Ministry of Skill Development and Entrepreneurship (MSDE), Govt. of India, has setup its first finishing school for Electronics System Design and Semiconductor Design in Eastern India region to address the need of skilled manpower.
- NIST has launched a CII partnered and mentored Innovation Club to bridge the gap between academia and the industry "need" component and valuable mentoring. With the support from the CII-Eastern Region this innovation club has been doing functional works effectively from grass root level motivation to ideation till the successful mentoring by industry experts from CII forum of mentors at investors meets and startup weekends. It gives a radical shift in the entrepreneurial thought process of the campus.

**NIST is considered as a benchmark research institution in eastern India. It has national level laboratories such as:**

- **DST-FIST Center:** Vector network Analyzer ( up to Ku - band), BENCHMARK WiCOMM-T Wireless Digital Communication Training System, ASIC Tester Model: Nikki ASIC, VEE Software, Microstrip Antenna Fabrication Unit, Power Supply, Measuring instruments, Fibre Optics trainers, Microwave Test bench, Antenna Trainers for communication Lab.
- **TIFAC CORE Centre:** LTE Laboratory, WiMAX Laboratory, SDR Laboratory, MIMO & WSN Laboratory, Embedded System & VLSI Laboratory, Device Fabrication Laboratory, Measurement & Testing Laboratory.
- **Advance Computing Center:** High Performance Computing Laboratory with 1 Master+3 Slaves High End Servers with 16 Core Processors in each server. Centers of Excellence established in partnership with Industry such as

## INCUBATIONS

- CADENCE, IBM, SAP Asia Pacific, National Instruments, Texas Instruments, ARM, WIPRO. Other centers of excellence like Data Science, Center of Mechatronics, Center of Image Processing & Cryptology, Center of Knowledge Engineering, Center of Industrial Automation Control, Center of Renewable Energy & Center of Nano Technology.

## STUDENT PARTICIPATION:

To inculcate the entrepreneurial mindset amongst the youth in the campus, various students clubs have been set up since inception, covering sectors such as Robotics, Renewable Energy, Electronics Hardware, Astronomy, Programming, Multimedia, and Automobile Society to have hands-on practices on productization skills. Apart from focus on innovation and startups at student level, the forums like E Cell, powered by the Startup Odisha Startup Cell, CII innovations, MHRD Institute Innovation Cell etc. set the right ecosystem for innovation and startups.

## INDUSTRY COLLABORATION



## SCHOLARSHIPS



SIBLING SCHOLARSHIP



MERIT SCHOLARSHIP



BEST B. TECH  
PROJECT AWARD



TEACHING ASSISTANTSHIP  
SCHOLARSHIP



GOLD MEDAL



RESEARCH ASSISTANTSHIP  
SCHOLARSHIP



INDUSTRY COLLABORATION  
HONORARIUM



M. TECH SCHOLARSHIP



PH. D SCHOLARSHIP

College students rely on financial aid that helps them to pursue their education without any hindrance. There are several scholarship programs open to undergraduates and post graduates at NIST. Each scholarship makes up its own rules which take into consideration academic performance, attendance, extracurricular activities.

The scholarship is aimed at certain groups within the student body. Each one of the scholarships is given under different categories related to their performance in different fields. These scholarships promote excellence within certain fields to bring out the very best among the students.

### 1. Sibling Scholarship

This scholarship is provided to the sibling of a student. The amount offered is Rs 10,000 per student, one-time only.

### 2. Merit Scholarship

This scholarship is considered for all the students of B. Tech, M. Tech, MBA and MCA who has secured greater than 9.0 CGPA without any back papers (valid for one academic year). Additional criteria may be considered during the selection process. The amount of scholarship is Rs. 3000/- per semester.



## SCHOLARSHIPS

### 3. Best B. Tech Project Award

Each year best B.Tech Projects are selected under different categories like Software Development, Hardware Development, Renewable Energy etc., and awarded with a cash prize of Rs. 5000 each.

### 4. Gold Medal

Each year, it is the tradition of NIST to reward the toppers (of the final year), for exemplary academic performances. It is applicable to the toppers of B. Tech, MBA, MCA, M. Tech, M.Sc. and B.Sc. program.

### 5. Teaching Assistantship Scholarship

Each year few meritorious students are selected as Teaching Assistants to assist the faculty members in their academic work. Students receive a scholarship of Rs.1000/- per month for this work. Students from 2nd, 3rd, and 4th year are eligible for TA ship in the department where 80% seats are filled. One student shall assist evaluation for max of 50 students.

### 6. Industry Collaboration Honorarium

Students who will work on the funded industry collaboration project shall be awarded with an honorarium based on the agreement with the concerned organization/client/industry.

### 7. Research Assistantship Scholarship

Through the Research Assistantship program UG and PG students get involved with faculty members to carry out joint research work. For this each student gets a stipend of Rs.2000/- per month for 2 months.

### 8. M. Tech Scholarship

M. Tech scholarship/stipend is given to meritorious students taking admission to NIST. A monthly scholarship of Rs.4000 is awarded to non-GATE students under this scheme. Students with a valid GATE score will get a stipend that is set by the MHRD, Govt. of India.

### 9. Ph.D. Scholarship

Ph.D. scholarships/stipends are awarded to the meritorious candidates admitted to NIST. Under this programme, candidates are offered a monthly scholarship of Rs 15,000.

## RESEARCH PUBLICATION

### RESEARCH PAPERS

- Dr. Sasmita Padhy and Dr. Preeti Ranjan Sahu, Faculty of EEE have published “MPA-Tuned Fractional Order PID Controller for Frequency Control of Interconnected Smart Grid Power System”.
- Dr. Sasmita Padhy and Dr. Preeti Ranjan Sahu, Faculty of EEE have published “Frequency Regulation of a Distributed Power System via Modified Whale Optimization Algorithm” i-PACT 2021, pp 1-6
- Dr. Kunjabihari Swain faculty of EEE has published “Power quality events recognition using enhanced empirical mode decomposition and optimized extreme learning machine”, Computers and Electrical Engineering, Volume-100,2022,107926.
- Dr. Kunjabihari Swain faculty of EEE has published “Fast TT transform and optimized probabilistic neural network-based power quality event detection and classification”. Electr Eng (2022).
- Dr Ranjan Kumar Padhy and Ms Sarita Sahu have published “Oxidation of iminodiethanol by Ce (IV) in the microheterogeneous system: a comprehensive kinetic analysis” (2022) in Journal of Dispersion Science and Technology.
- Dr Ranjan Kumar Padhy and Ms. Sarita Sahu have published Oxidation of triethanolamine by ceric ammonium sulfate in aqueous sulfuric acid: spectrophotometric kinetic and mechanistic study (2022).
- Dr. Murthy Cherukuri, has published Power Quality Events Detection & Classification based on Down Sampled Kriging Interpolated EMD & SOS-ELM”, Computers & Electrical Engineering (Elsevier), Vol. 100, 2022.

## RESEARCH PUBLICATION

### RESEARCH PAPERS

- Dr. Murthy Cherukuri, Faculty of School of Electrical Sciences, has published "Impact Assessment of Solar Power Generation Uncertainty on Smart Grid Reliability and Carbon Neutrality", *Frontiers in Energy Research (Smart Grids section)*, Vol. 10, 2022.
- Dr. Murthy Cherukuri, Faculty of School of Electrical Sciences, has published "Fast TT-Transform and Optimized Probabilistic Neural Network Based-Power Quality Event Detection and Classification", *Electrical Engineering (Springer)*, pp. 1-18, 2022.
- Dr. Sandipan Mallik, faculty of ECE has published "Biomimicking of Phyto-based Superhydrophobic Surfaces towards Prospective Applications: A Review", in *Materials Research Letter* along with other faculties.
- Dr. Sandipan Mallik, faculty of ECE has published "Potential Soluble Substrates for Transient Electronics Applications: A Review" in *AIP Advances* along with other faculties of different University.
- Dr. Sandipan Mallik, faculty of ECE has published "Experimental and Simulation Study of Charge Transport Mechanism in HfTiOx High-k Gate Dielectric on SiGe Heterolayers", in *Bulletin of Materials Science* with other faculties of different University.
- Dr. Manjushree Nayak, Associate Professor of the School of Computer Science and Engineering, has published the journal entitled "Selection of Smart Manure Composition for Smart Farming Using Artificial Intelligence Technique" in the *Journal of Food Quality*.
- Dr. Kunja Bihari Swain and Dr. Murthy Cherukuri, faculty of the School of Electrical Engineering have published the journal entitled "Resiliency Estimation of Synchrophasor Communication Networks in a Wide Area Measurement System" in *Frontiers in Energy Research*.
- Dr. Kunja Bihari Swain and Dr. Murthy Cherukuri, faculty of the School of Electrical Engineering have published the journal "Power quality events recognition using enhanced empirical mode decomposition and optimized extreme learning machine" in *Computers and Electrical Engineering*.
- Dr. Kunja Bihari Swain and Dr. Murthy Cherukuri, faculty of the School of EE have published the journal "Fast TT transform and optimized probabilistic neural network-based power quality event detection and Classification" in *Electrical Engineering*.
- Dr. Murthy Cherukuri has published another journal entitled "Impact Assessment of Solar Power Generation Uncertainty on Smart Grid Reliability and Carbon Neutrality" in *Frontiers in Energy Research*.
- Dr. Sasmita Padhy and Dr. Preeti Ranjan Sahu, Faculty of EEE have published a journal entitled "Marine predator algorithm-based PD-(1+ PI) controller for frequency regulation in multi-microgrid system" in *IET Renewable Power Generation*.
- Dr. Preeti Ranjan Sahu has published a journal entitled "Modified grasshopper optimization algorithm optimized adaptive fuzzy lead-lag controller for the coordinated design of FACTS controller with PSS" in the *Journal of Intelligent & Fuzzy Systems*.
- Dr. U. K. Misra, Professor of the Department of Mathematics has published a journal entitled "An EOQ Model for Items having Fuzzy Amelioration and Deterioration" in *Applied Mathematics & Information Sciences*.
- Dr. Ranjan Kumar Padhy and Ms. Sarita Sahu, faculty of the Department of Chemistry have published the journal entitled "Oxidation of iminodiethanol by Ce (IV) in Microheterogeneous system: a comprehensive kinetic analysis" in the *Journal of Dispersion Science and Technology*.
- Dr. Ranjan Kumar Padhy and Ms. Sarita Sahu, faculty of the Department of Chemistry have published "Oxidation of triethanolamine by ceric ammonium sulfate in aqueous sulfuric acid: spectrophotometric kinetic and mechanistic study" in *Monatshefte für Chemie - Chemical*.

## RESEARCH PUBLICATION

### RESEARCH PAPERS

- Dr. Duryodhan Sahu, Professor of the Department of Chemistry has published a journal entitled "Removal of Hexavalent Chromium from Industrial Wastewater Using Bio-adsorbent Prepared from IPOMOEA CARNEA" in the journal Chemistry Africa along with Dr. Sudhansu Sekhar Biswal, Dr. Chittaranjan Panda, Dr. Smruti Ranjan Parida, Dr. Subrat Kumar Mallick, and Trilochan Jena of Siksha 'O' Anusndhan (Deemed to be University) and Jitendra Kumar Sahoo of GIET University).
- Dr. Preeti Ranjan Sahu, faculty of the School of Electrical Engineering has published a journal entitled "Coordinated Design of FACTS Controller with PSS for Stability Enhancement Using a Novel Hybrid Whale Optimization Algorithm - Nelder Mead Approach" in the journal Electric Power Components and Systems along with Dr. Prakash Kumar Hota and Dr. Sidhartha Panda of VSSUT, Burla, Dr. Rajesh Kumar Lenka of NIT, Rourkela, Dr. Sanjeevikumar Padmanaban of the University of South-Eastern Norway, and Dr. Frede Blaabjerg of Aalborg University, Denmark.
- Dr. Ratikanta Nayak, Assistant Professor of the Department of Physics has published a journal entitled "Phosphonated MWCNT-Poly (2, 5-Benzimidazole): an improved nanocomposite membrane for high-temperature fuel cells" in the journal "Advances in Natural Sciences: Nanoscience and Nanotechnology" along with Prof. Prakash Chandra Ghosh from IIT Bombay, Amit Bhosle from IIT Roorkee, and Dr. Reeshab Goenka from Advanced Biofuels Division, The Energy and Resources Institute (TERI), New Delhi are the other research collaborator.
- Dr. Pradyumna Kumar Patra and Prof. Harikrishna Gantayat, faculty of ECE have published a journal paper entitled "An efficient RBF-DCNN based DOA estimation in multipath and impulse noise wireless environment" in Transactions on Emerging Telecommunication Technologies.
- Dr. Pradyumna Kumar Patra and Prof. Harikrishna Gantayat, faculty of ECE have published a journal paper entitled "An efficient direction-of-arrival estimation of multipath signals with impulsive noise using satin bowerbird optimization-based deep learning neural network" in Expert Systems, in collaboration with Dr. Trilochan Panigrahi, faculty of Department of ECE, NIT Goa.
- Prof. Durga Madhab Padhy, Asst. Professor, Department of Management has published a research article entitled "The Work-Life Balance & Employee Satisfaction: A Study of Women Employees in Selected IT Sector" in Journal of Management & Entrepreneurship Vol. 1608-18, September 2022 UGC Care 4.257. The other researchers are Dr. Sadanand Sahoo and Dr. Santanu Kumar Dash.

### BOOK CHAPTER PUBLICATIONS

- Dr. Murthy Cherukuri, Faculty of the School of Electrical Sciences published a book chapter entitled "IoT-Based Resources Management and Monitoring for a Smart City", Book: Internet of Things, CRC Press, pp.125-148.
- Shrabani Mahata, Assistant Professor of the Department of Chemistry has published a book chapter entitled "Metal oxide nanostructured materials for photocatalytic hydrogen generation, Emerging Nanomaterials for Advance Technologies" with other authors such as B K Nahak, A Panigrahi, B N Patra, S S Mahato & others.
- Swadhin Mishra, Assistant Professor of the Department of ECE, have published book chapter entitled "Computationally efficient scheduling methods for MIMO Uplink Networks. Soft Computing" with P Pattanayak, D Sarmah & A Panda
- Dr. Ratikanta Nayak, Assistant Professor of the Department of Physics, has published a book chapter entitled "Polymer Nanocomposite Membrane for FuelCell Applications" in Application of Nanomaterials in energy storage and Electronics of Bentham Books.
- Dr. Chinmay Kumar Giri, Assistant professor of the Department of Mathematics, has published a book chapter entitled "Convergence and Comparison Theorems for Three-Step Alternating Iteration Method for Rectangular Linear System" in Applied Analysis, Computation and Mathematical Modelling in Engineering of Springer through International Conference on Applied Analysis, Computation and Mathematical Modelling in Engineering.

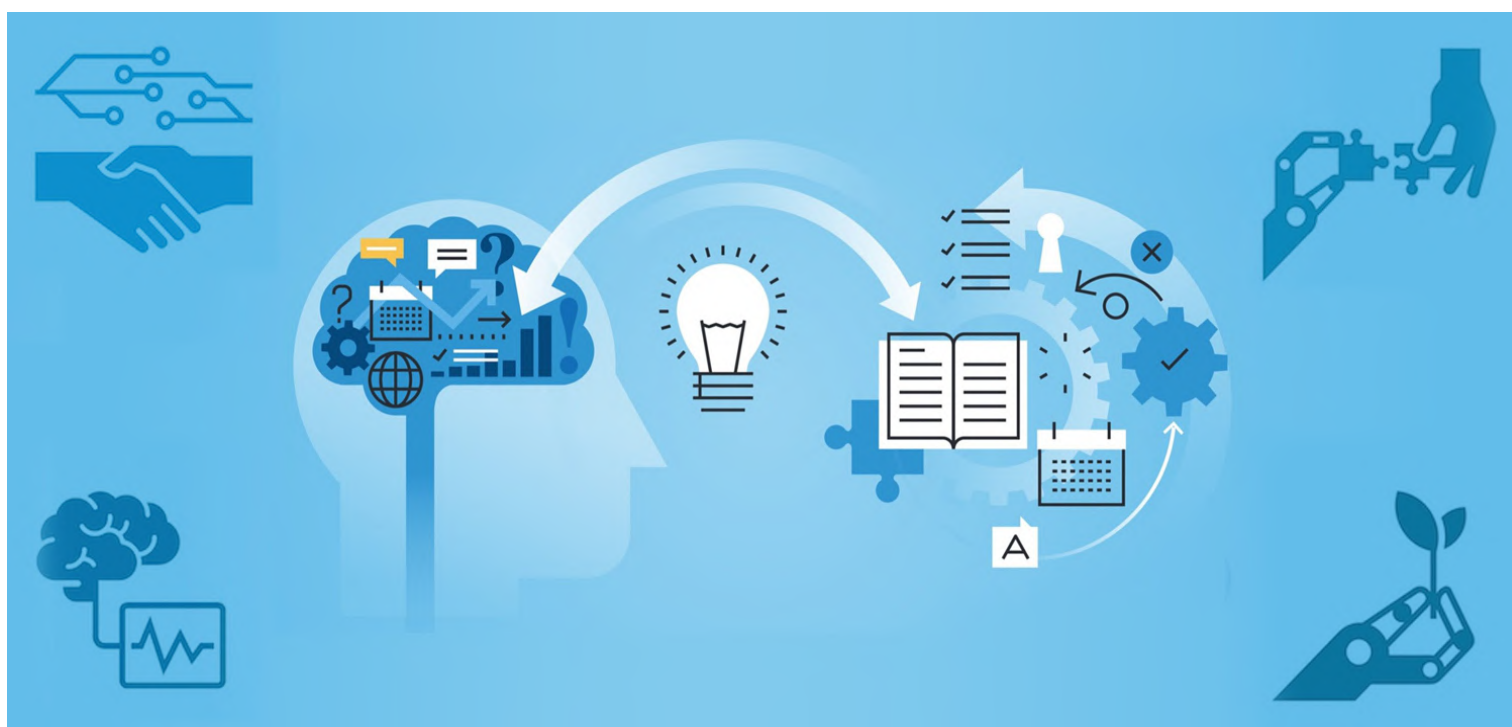
## RESEARCH PUBLICATION

### BOOK CHAPTER PUBLICATIONS

- Prof. Akankshya Patnaik, Associate Professor, Dept. of Management has published a book chapter entitled “Systematic Literature Review on Sustainable Business Practices” in the book “Neo Business Practices in the Emerging Global Scenario” by N.B Publications on Dec 2022
- Dr. Kunjabihari Swain Assistant Professor, and Dr. Murthy Cherukuri, Professor, Dept. of Electrical Engineering have published a book chapter entitled “Smart Industry Pollution Monitoring and Control Using Internet of Things”. In the book “Harnessing the IoT for Hyper-Connected Smart World”, by CRC Press, Taylor & Francis Group, LLC, Florida, USA). in October 2022 along with Amiya Ranjan Senapati and Santamanyu Gujari.
- Dr. Sandipan Mallik, Associate Professor, Dept. of Electronics and Communication Engineering, Dr. Kunjabihari Swain Assistant Professor and Dr. Murthy Cherukuri, Professor, Dept. of Electrical Engineering and have published a book chapter entitled “IoT-Based Resources Management and Monitoring for a Smart City”, in the book “,Internet of Things” by CRC Press, Taylor & Francis Group, USA. Chapter-07, pp. 125-148, 29th April 2022 along with Prakash Panigrahi, Yashwardhan Kumar, Shivendra Pratap Singh.
- Dr. Kunjabihari Swain Assistant Professor and Dr. Murthy Cherukuri, Professor, Dept. of Electrical Engineering have published a book chapter entitled “Situational Awareness of Micro-Grid Using Micro-PMU and Learning Vector Quantization Algorithm in the book “Intelligent Renewable Energy Systems: Integrating AI Techniques and Optimization Algorithms”, by John Wiley & Sons, 2022. New York, United States.
- Dr. Murthy Cherukuri, Professor, Dept. of Electrical Engineering have published a book chapter entitled, Murthy Cherukuri, D K Mohanta, “Application of Artificial Intelligence and Machine Learning Techniques in Island Detection in a Smart Grid”, in the book “Intelligent Renewable Energy Systems: Integrating AI Techniques and Optimization Algorithms”, John Wiley & Sons, 2022. New York, United States along with Soham Dutta, Pradip Kumar Sadhu.

### PATENT

- Dr. Basant Kumar Sahu, Associate Professor, Department of Electrical Engineering has published a patent entitled “Internet of Things (IoT) Based Smart Energy Metering and Monitoring System,” having Indian Patent Application No. 202,231,056,186 in Oct. 2022 and the other inventors are Ayush Kumar Choudhary, Debjcet Chakroborty, Navin Kumar, Nishant Sen, Bittu Kumar, Shashil Roushan of NIST.





## WORKSHOP, SEMINAR & TALK

### SEMINAR/WEBINAR

Date	Seminar/Webinar	Experts
6th February, 2022	National Webinar on Preparedness for Electric Vehicles by DISCOM	Mr. S Manthiram, CEO (TPCODL) & Dr. C R Atla (DGM, Power system Solution, PRDC-Bengaluru)
17th March, 2022	Advancement in EV and EHV Technology	Dr. Nishant Patnaik (Assistant Professor, Dept. of EEE, CBIT Hyderabad)
25th March, 2022	Webinar on Rural Entrepreneurship and Innovation	Mrs Tuti Sndhya, senior faculty Mahatma Gandhi Council of Rural Education, Ministry of Education, Govt. of India
12th August, 2022	Possible future technology roadmap to be followed in the area of the Semiconductor domain and various opportunities for research collaboration & student exchange program with NJIT	Prof. Durgamadhhab Misra, Professor, and Chair, of Electrical and Computer Engineering of New Jersey Institute of Technology, USA
1st September, 2022	"Distributed Control of a Microgrid"	Prof. Bidyadhar Subudhi, Professor, School of Electrical Sciences, Indian Institute of Technology Goa

### WORKSHOP

Date	Workshop	Experts
22nd May, 2022	FDP at NIST: "RF/Microwave sensor technology"	Dr. Prashant Kumar Singh, Associate Professor of Department of ECE, University College of Engineering and Technology (UCET), Vinoba Bhave University, Hazaribagh.
10th June, 2022	FDP at NIST: "The origin of bio-potentials and the problems of its capture, conditioning and processing"	Dr. Biswajit Bhattacharyya, Associate Professor of Department of Electrical Engineering, Jadavpur University, Kolkata
18th-23rd July, 2022	"Application of Econometrics tools in Social Sciences and Management Research"	Prof. S. N. Mishra, former dean of KIIT University
03rd August, 2022	NIST Summer Research Internship (NSRI) 2022	Dr. B. Sambhi Reddy (Associate Professor, Dept. of Mechanical Engineering, NIST)

### TALK

Date	Talk	Experts
31st May, 2022	A Talk on "Reserve Bank of India & Changing Scenario"	Mr. Manabendra, the former general manager and officer in charge of the Reserve Bank of India (Sikkim & Odisha)
10th Sep, 2022	"Complex dynamics fractals independence polynomial and independent fractals of graph"	Dr. Tarakanta Nayak, Associate Professor of School of Basic Science of IIT Bhubaneswar

## ACADEMICS COLLABORATION



Research Collaboration with Academia Sinica, Taiwan



Brunel University London, UK



Indian Institute of Technology, Kanpur



Myongji University, Seoul, South Korea



Research collaboration with National Taiwan University, Taiwan



New Jersey Institute of Technology, NJ, USA



Stanford University, CA, USA



University of California at Riverside, CA, USA



Signed MoU with University of Electro-Communication, Japan



# STUDENT & FACULTY ACHIEVEMENTS



Won 1<sup>st</sup> Prize in "Innominds-Hackathon" and 3<sup>rd</sup> prize in "Student Exhibitor" in Startup Mela organized by Startup Odisha



Team Techies achieved 2<sup>nd</sup> Place in SRM Hackathon



V Roshan Kumar, BTech CSE, 2019 Batch, awarded by Ministry of IT and Electronics at Global Student Entrepreneur Award-2023



Mr. Aditya Kumar Sahu, BTech ECE, 2020 Batch, Selected as a fellow for IAS-INSANA-SI summer internship program at IISc Bengaluru

**Mr. Arup Mohanty**  
BTech CSE, 2020 Batch

Selected in one of the world's most competitive research internship - MITACS Globallink Research Intern 2022 at York University, Canada

**Ms. K. Swatisree**  
MSc Chemistry, 2021 Batch

Achieved 3<sup>rd</sup> prize in the best poster presentation category at the National Conference on "Recent Advances in Chemical Sciences" by Berhampur University

**Mr. Sambit Sargam Ekalabya**  
BTech IT, 2020 Batch

Participated in ETHIndia hackathon- 2022 and got a prize money of 1160 USD as part of Product Judge on Chain

**Mr. V Roshan Kumar Patro**  
BTech CSE, 2019 Batch

Achieved 2<sup>nd</sup> runner up in the Pravega Innovation Summit, 2022 at IISc Bangalore

## NIST FACULTY AWARDED WITH UNIVERSITY FOUNDATION DAY RESEARCH AWARD-2022



**Dr. Duryodhan Sahu**  
Dept. of Chemistry



**Dr. Rajesh Kumar Pattajoshi**  
Dept. of ECE



**Prof. Nilesh Dalai**  
Dept. of Mechanical Engg.

By BIJU PATNAIK UNIVERSITY OF TECHNOLOGY (BPUT), ROURKELA



**Dr. Ratikanta Nayak**, Dept. of Physics

Received the most prestigious DST SERB Startup Research Grant (Govt. of India) of around 18 Lakhs



**Dr. Sandipan Mallik**, Dept. of ECE

Highest no of publication in 2022  
Indian Patent: 1, SCI Journal: 5, Book chapter: 6, Conference: 1



## NEW Ph.D RECIPIENTS

NIST congratulates faculty members Dr. Sasmita Padhy, Dr. Tushar Ranjan Sahoo, Dr. Amarnath Padhi, Dr. Deepak Acharya, & Dr. Radhakrushna Sahoo for successfully obtaining their Ph.D. degree.

Dr. Sasmita Padhy, Assistant Professor, Department of Electrical Engineering, with the supervision of Prof. Dr. Sidhartha Panda, has successfully defended her PhD thesis entitled "Intelligent Controllers for Stability Improvement of Power System with Distributed Generation" and has been awarded the Doctoral degree in Electrical Engineering, from VSSUT, Burla, Odisha. She has incorporated six research papers published/accepted by International Journals into the thesis.

Dr. Tushar Ranjan Sahoo, Assistant Professor, Master of Business Administration (MBA), has been awarded doctorate degree with successfully defending his Ph.D. thesis entitled "Effectiveness of Buyer-Seller Interaction and its Impact on Sales Employees' Retention With The Mediating Role Of Sales Performance In Banking Industry".

Dr. Amarnath Padhi, Assistant Professor, Department of Management has been awarded Ph.D degree by Fakir Mohon University, Balasore for successful completion of his thesis "Strategic HRD Practices: An Empirical study in Selected Service Industries in Odisha".

Dr. Deepak Acharya, Asst. Professor, Dept. of Mathematics has been awarded doctorate degree on the topic "Recent Trend in Summability Theory and its Applications to Fourier series" under the guidance of Prof. Umakanta Misra, Professor in Mathematics, & Dr. Purna Chandra Nayak from by Fakir Mohan University, Balasore.

Dr. Radhakrushna Sahoo, Asst. Professor, Dept. of Mathematics, has been awarded doctorate degree on the topic "Wavelet aspects of algebraic structures" under the guidance of Dr. Arvind Kumar Sinha from National Institute of Technology, Raipur.

## CLUBS AT NIST



### TEAM NSS

"Not Me But You"

National Service Scheme (NSS) was launched in Gandhi Ji's Centenary year, 1969. It is a government-sponsored public service program under the Ministry of Youth Affairs and



Sports of the Government of India. NSS NIST started its journey on 4th Aug 2013. In a short span it has become a renowned social mover in the region and regularly conducting different social activities through out the year.



### NATIONAL CADET CORPS

NCC

The National Cadets Corps came into existence under the National Cadet Corps Act XXXI of 1948. The NCC aims at developing comradeship, discipline, a secular outlook, the spirit



of adventure and ideals of selfless service amongst young citizens. NIST NCC unit was started its journey in 2021. It is functioning under 1(0) Naval Unit NCC, which comes under group head quarter Berhampur with strength of 70 cadets.



### ELECTRONICS HOBBY CLUB

"Innovate to Implement"

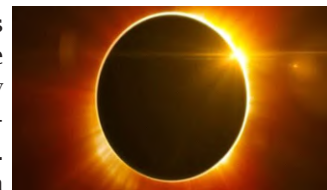
EHC has been the platform for those who have ventured to go beyond the conventional theory in the field of electronics. Be it the Hardware competition in 'Sankalp' or the celebration of 'Electronics Month' or the performance in 'Tech fests' across India, EHC has always carried the tag of success.



### ASTRONOMY CLUB

"Gazing Beyond the Limits..."

The NIST Astronomy club aims to create interest amongst the students to observe the sky through telescope and popularize astronomy among them. The club wants to establish a planetarium inside the campus in future to motivate the students to gaze beyond the limits.



## CLUBS AT NIST



### CLUB INNOVA

"Dare to Dream, strive to excel"

Doing something different has been the desire of great minds. Desire needs to be tailored and guided by a proper counsellor to produce a constructive outcome. In order to understand the term



"INNOVATION" and resurrect every mind with the essence of innovation, the Club Innova was pioneered at NIST. The Club Innova have attracted the freshers the most as it is a multi-genres club and they make art & craft, content and poetry writing, guitar performance, singing, and fun game event like electric quiz board which attracts all the freshers towards the club. This club welcomes students from all genres which makes this club one of the favourites among all others. This is also known as the 1st club in NIST.



### CLUB EXCEL

"Lets go and excel in the field of programming for creating efficient and innovative solutions o the real world problems"

Club Excel enhances the creativity of the students and acquaints them with the current industry and real world problems. Innovative thinking is the only factor that decides one's



survival in the corporate life. CLUB EXCEL organizes mega programming events in each semester. No wonder its members bagged 7 awards in Top 10 in Wipro's "Code Zap Guru" contest, 2010.



### CAT CLUB

"Let's bell the cat"

The CAT Club helps club members and all the students in placement activities. It provides test series for cracking competitive exams such as CAT (Common Admission Test),



organises events such as Grand Master, an inter college chess tournament and analytical events such as Devil's Advocate and Senator. It gives students an opportunity to nurture their talent and reach the zenith of success. CAT club of NIST conducted the mega event of the club, The Grand Master 2.0. Many colleges of Odisha participated in this Inter College Chess Tournament to win the title of the Grand Master. The event was a huge success.



### EUREKA CLUB

"EUREKA: Rediscover Yourself"

With a quest for literary brilliance, EUREKA organizes inter-school and inter-college literary competitions every year. Apart from this, the club also performs skits and plays in English, and offers students Business English Certificate (BEC) courses in collaboration with British Council.



### QUIZZARDS CLUB

"Wizzards among Muggles"

Club Quizzards is the home of finest quizzing brains at the campus. They organise various National-level, Inter-school & in-campus quizzing competitions. The members of quizzards have won and regularly take part in prestigious quizzing competitions in the country.



### ART AND DRAMATIC CLUB

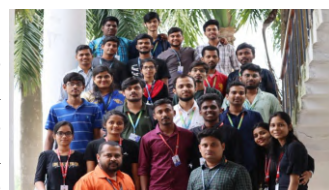
"Creation from Recreation..."

NIST AD Club promotes events where students hone their real time management skills and accelerate their personality growth in true terms. It takes up socio-cultural problems as events and exposes the members to the other side of civil society. If filmmaking and coining slogans excite you then this club is definitely for you.



### CLOUD COMPUTING CLUB

The main motto of this club is to inculcate research interests among the students in the field of Cloud Computing and its associated areas such as Parallel Processing, High Performance Computing & Grid Computing. Several branches students participate in events organized by Cloud Computing Club.





## CLUBS AT NIST



### NIST MUSICAL SOCIETY

"Culture is the widening of the mind and of the spirit"

In the whispers of the wind or the swirl of the ripples, the rhythm of the river or the chorus of the birds, music is everywhere. Music is cherished without inhibitions or prohibitions. It is the universal language which knows no boundaries yet has the strength to cleanse the malaise of any soul. It can bring a whole new meaning to this journey called life. This is what NMS dreams to achieve. It's first album "Phoenix" was a super hit.



### ROBOTICS CLUB

"Integration of Innovation and Intelligence"

NIST Robotics Club (NRC) aims at energizing young engineering minds towards the next era of technological evolution. It is a multidisciplinary club incorporating Computer Science, Electronics, Electrical, and Mechanical Engineering. NRC is a known face in Robotics in India and has won many national and state level accolades truly standing to its mission integrating innovation and intelligence.



### PHOTOGRAPHY CLUB

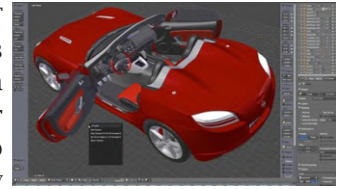
Foto Folks is a club of like-minded NIST students and faculty members who say it better through pictures. A group of amateurs, they sacrifice their moments to make the others' memorable. The club is an integral part of every event held in the campus. It's tough to spot them, nobody knows where they are lurking; they shot with the precision of a hitman and present NISTians the most candid moments. Besides, they take part in photo exhibitions and competitions. They have often been felicitated for their passion and creativity.



### MULTIMEDIA CLUB

"So, what are you waiting for? Grab the opportunity... Welcome to the clan of MULTIMEDIA DESIGNERS"

The multimedia club of NIST invites students of all disciplines to be part of their multimedia club. They learn from their mistake and always tries to create something new. They provide the platform to exploit one's creative instincts. It is said that "the liberty to make mistakes provides the best environment for creativity". The club guides new members from scratch, also they tutor the freshers and facilitating them to reach the zenith of their creativity.



### CIVENG'S CLUB

"You see the world, The way we built.."

NIST CIVENG'S CLUB, a club from the Department of Civil Engineering, aims to encourage the development of a professional consciousness, provide an opportunity for the students to become acquainted with effective team skills and promote a spirit of congeniality among them. Every year, the club conducts fun and strategic events like:



**DEFECTOGRAPHY:** This event is nothing but a presentation of photographs clicked by the participants which shows the damaged structure or things which can be cured by applying the engineering knowledge.

**JENGA:** A game where players take turns to remove wooden blocks from a stack formed brickwise, the loser being the player whose actions cause the tower to fall. Once the tower is built, the person who built the tower gets the first move.

**SETUBANDHAN:** This is the major events that this club conducted both sankalp. It the most participated - event in the history of two year of all competition conducted in sankalp by the virtue of number of participants.

**REKHACHITRA:** This event is generally conducted during Sankalp. It is a major event, & as the name says it's an Auto CAD 3D model drawing competition. The one who draws the most complicated model using the largest number of different commands of the application, is declared as the winner.



## EVENTS 2022

Date	Major Event
06 JAN 2022	Awareness Programme by Renewable Energy Club
26 JAN 2022	NIST celebrated the Republic Day with great fervour & splendour. Principal, Dr. Priyadarshi Tripathy hoisted the flag and addressed the employees
06 FEB 2022	National Webinar on Preparedness for Electric Vehicles by DISCOM
08 MAR 2022	International Women's Day Celebration
15 MAR 2022	World Social Work Day 2022
17 MAR 2022	Webinar on "Advancement in EV and EHV Technology"
23 MAR 2022	Alumni Talk on "Scope of Higher Studies after B.Tech." by Mr. Abhijeet Pattnaik
23 MAR 2022	Celebration of Martyrs Day at NIST
24 MAR 2022	Inter-college sports competition held at NIST
25 MAR 2022	Webinar on Rural Entrepreneurship and Innovation
30 MAR 2022	MoU is signed Between Chikiti Mahavidyalaya and NIST Autonomous
07 APR 2022	NCC Camp Organized at NIST Autonomous
08 APR 2022	NIST bagged 1st Runner Up in 16th Edition of 30Hacks
22 APR 2022	MoU Between Protionix Technology and NIST Autonomous
22 APR 2022	Nukkad Natak performed by NIST Art & Drama Club (ADC) at KIIT, Bhubaneswar
30 APR 2022	MoU Between IG Drones and NIST Autonomous
18 MAY 2022	NMS (NIST Musical Society & NDC (NIST Dance Club) got the "Best Performer" award from Berhampur Mahanagar Mahostav.
05 JUN 2022	Smart Teaching - Teacher Training Program
17 JUN 2022	Farewell Party to B.Tech, 2018 -2022 Batch
17 JUN 2022	Smart Teaching - Teacher Training Program" has been inaugurated by Dr. Priyadarshi Tripathi (Principal, NIST) & Founder Chairman Dr. Sukant K. Mohapatra delivered the inaugural address while Dr. Punya Mishra, Associate Dean, University of Arizona (USA), was the keynote speaker
23 JUN 2022	Blood Donation Camp organized by NSS, NIST Autonomous
29 JUL 2022	Department of ECE, VLSI Group, started cadence course

## EVENTS 2022

Date	Major Event
29 JUL 2022	MBA students visited NALCO at Damanjodi, Koraput, on an industrial excursion.
29 JUL 2022	Department of ECE, VLSI Group, started cadence course
10 AUG 2022	NIST members attended the regional meeting of IIC at Andhra University, Visakhapatnam
12 AUG 2022	Prof. Durga Madhab Mishra of NJIT USA visited NIST and interacted with Cadence VLSI students regarding research, higher studies, VLSI company, and jobs in VLSI.
15 AUG 2022	NIST commemorates 75 years of India's Independence Day.
17 AUG 2022	NIST conducted a Career Counselling program in Tangla, Assam
18 AUG 2022	Mechanical Engineering Department, NIST, has started its summer internship program
23 AUG 2022	NIST Principal graced "Prof Kunja Bihari Memorial Debate Series" at Berhampur University as a Guest of Honour.
27 AUG 2022	Dr. Ratikanta Nayak received the most prestigious DST SERB Startup Research Grant (Govt. of India) of around Rs. 18 lakhs
01 SEP 2022	Seminar on "Distributed control of a Microgrid" by Dr. Bidyadhar Subudhi, Professor, Department of EE, IIT Goa
03 SEP 2022	Startup Odisha Yatra 2.0 reached at NIST
05 SEP 2022	Final year student V Roshan Kumar Patro won the runner-up position in the Pravega Innovation Summit, 2022 at IISC Bangalore.
09 SEP 2022	Workshop on Idea Generation & Idea Pitching to the blooming pioneers in the pursuit of entrepreneurship in Startup Odisha Yatra 2.0 Boot camp at NIST
09 SEP 2022	Personality development, interview preparation session, and career counseling program at Gopalpur College by NIST
18 SEP 2022	NIST celebrated its 26th Foundation Day
23 SEP 2022	Dr. Tarakanta Nayak from IIT Bhubaneswar has given a lecture on "Fixed Points of A Polynomial" in the seminar organized by the Department of Mathematics, NIST
24 SEP 2022	"POSHAN ABHIYAN" organized by Team NSS, NIST
26 SEP 2022	Eye Checkup camp on 26th Sept. 2022 organized by NCC Team, NIST
28 SEP 2022	"Mo Startup" Program 2022 in academic collaboration with BPUT
13 OCT 2022	Dr. Sandipan Mallik, Faculty ECE, chaired a session entitled "Energy efficiency and energy harvesting in IoT"
14 OCT 2022	Dr. Gayatri Panda, Asst. Professor, MBA, NIST successfully defended her PhD thesis
15 OCT 2022	Startup Sensitization Camp by the Boeing Company at NIST, Berhampur on 15th October

## EVENTS 2022

Date	Major Event
19 OCT 2022	Dr. Sasmita Padhy, Asst. Professor, School of Electrical Sciences, NIST defended her PhD thesis titled "Intelligent Controllers for Stability Improvement of Power System with Distributed Generation"
24 OCT 2022	Diwali celebration by students at NIST campus.
24 OCT 2022	TEAM NSS NIST visited Marillac Mersy old age home on the eve of Diwali.
25 OCT 2022	Dr. Deepak Acharya, Asst. Professor, Dept. of Mathematics, NIST defending his PhD thesis titled "Recent Trend in Summability Theory and its applications to Fourier series"
05 NOV 2022	Alumni Interaction: Mr. Prajesh AR, Alumnus, IT, 2008 -2012 batch, Senior Developer, Intel
09 NOV 2022	Orientation program for NIST 2022 Batch
21 NOV 2022	NIST congratulates Dr. Preeti Ranjan Sahu, Asst. Professor, School of Electrical Sciences for his Research publication.
21 NOV 2022	NIST Faculty awarded with University Foundation Day Research Award 2022 by BPUT
24 NOV 2022	NIST congratulates Team Techies for placing 2nd position in a national -level hackathon event at Hybrid Hack, conducted by SRM Institute of Science and Technology, Chennai.
24 NOV 2022	Twenty-one numbers of MBA 2021 -23 Batch students placed in ICICI Bank through NIST Campus Placement
01 DEC 2022	Alumni interaction with Mr. Samrat Sau, Projector Manager at PCE Consultancy and Engineering (1998-2002) Batch
02 DEC 2022	Dr. Sukant K. Mohapatra, Chairman delivered a keynote address on the topic "The Blooming Era of Startup - Looking into the Future" during Make -in-Odisha (MIO) Conclave 2022.
02 DEC 2022	MOU for the development of the entrepreneurial ecosystem in Odisha
06 DEC 2022	Students (B.Tech 2019-23 Batch) placed in Netcracker through NIST campus placement drive.
06 DEC 2022	NISTIAN welcome to Dr. Sukant K. Mohapatra, Chairman and Mrs. Sanjeeta Mohapatra (Member of the governing body and trustee) to campus
07 DEC 2022	Blood Donation Camp by NIST NSS unit
09 DEC 2022	Cleanliness Drive on the campus by NIST NSS volunteers
10 DEC 2022	Alumni Talk with Mr. Rakesh Roshan Acharya, Alumnus, 2003-07 Batch
10 DEC 2022	National Conference on Energy Sustainability and Society in collaboration with Indian Energy Congress at NIST
10 DEC 2022	Mr. Arya Vedabrata, Alumnus, IT, 1999 -2003 batch, Co-Founder & CEO - Byteiq Analytics, Co-Founder Mindgraph Technologies, interacted with students at NIST
11 DEC 2022	Student placed in Texas Instruments through NIST campus placement drive.



## EVENTS 2022

Date	Major Event
14 DEC 2022	Energy Conservation Day celebration by NIST Renewable energy club
16 DEC 2022	Talk by Mr. Sudeep Misra (2001 -2005), an alumnus of NIST
19 DEC 2022	A thought talk by Brigadier (Dr.) L C Patnaik
21 DEC 2022	An interaction of founder chairman Dr. Sukanta K Mohapatra with ECE students was held on the topic of "Evolution of 5G Technology"
21 DEC 2022	An Talk on "Non Linear dynamical phenomena exhibited by Mechanical systems undergoing impact & friction" was held at NIST campus by Dr. by Aasifa Rounak (Asst. Prof University of Dulbin, Ireland)
21 DEC 2022	Dr. Anshuman Swain (Fellow at Havard University ,USA) visited NIST campus and delivered a talk on "Potential carrier opportunities in the area of bio engineering and possibilities of higher studies in foreign Universities
22 DEC 2022	National Seminar on "A tribute to S. Ramanujan" Was organized by Department of Mathematics, NIST, Berhampur.
24 DEC 2022	NIST Fresher's Day 2022 was held at NIST Indoor stadium with lots of fervour & splendour.
25 DEC 2022	NIST NSS unit celebrated Christmas Festival at the nearest orphanage home "Navajeevan Orphanage", Madanmohonpur, Kanisihi, Berhampur.

## HIGHER STUDIES (ABROAD)

**Ajit Dash**

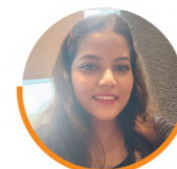
PhD, University of New South  
Wales, Sydney, Australia

**Avi Arya**

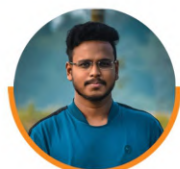
MS, NYCU Taiwan

**Bishal k Nahak**

MS, National Tsing Hua  
University, Taiwan

**Darsana Deo**

MS, National Taiwan  
University, Taiwan

**Sheetikanta Mohanty**

MS, National Taiwan  
University, Taiwan

**Shivendra Pratap Singh**

MS, National Tsing Hua  
University, Taiwan

**Shree Patnaik**

MS, Purdue University  
Indianapolis, USA

**Soumya Ranjan Dash**

MS, University of Pennsylvania  
USA

**Dipun Jena**

MS, National Tsing Hua  
University, Taiwan

**Lucky K Pradhan**

MS, NTUST Taiwan

**Swosti Choudhury**

MS, California State University,  
Northridge, USA

## NEWLY JOINED FACULTIES & STAFF

Sl. No	Month	Name	Last Qualification	Experience (Years)	Designation & Department
1	January	Mrs. Minakhi Dash	PGCTE	13	Assistant Professor (English)
2	January	Mr. Raj Kumar Baliyar Singh	MTech	11	Assistant Professor (School of Computer Science)
3	January	Mr. Asit Kumar Das	M.Tech	15	Assistant Professor (School of Computer Science )
4	January	Dr.Prasanta Kumar Behera	Ph.D.	2	Assistant Professor (Chemistry)
5	March	Dr.Tushar Ranjan Sahoo	Ph.D.	1	Assistant Professor (MBA)
6	March	Mr. LalSanjeeb Kumar Ray	MBA	1	Assistant Professor (MBA)
7	March	Mr. Nilamadhaba Panda	MBA	4	Assistant Professor (MBA)
8	April	Dr. Sabyasachi Rath	Ph.D.	27	Professor (MBA)
9	April	Mr. Laxminarayan Dash	M.Tech	4	Assistant Professor (Computer Science and Engineering)
10	April	Mrs. Prangya Das	M.Tech	13	Assistant Professor (Computer Science and Engineering)
11	April	Ms. Pratyasha Pradhan	M.Tech	Fresher	Assistant Professor (Computer Science and Engineering)
12	April	Mrs. Swetanjali Maharana	M.Tech	5	Assistant Professor (Computer Science and Engineering)
13	May	Ms. Alka Dash	M.Tech	Fresher	Assistant Professor (Computer Science and Engineering)
14	May	Mr. Vivek Priyadarshi Dash	M.Tech	7	Assistant Professor (Computer Science and Engineering)
15	June	Dr. Namrata Pattanayak	Ph.D.	0.5	Assistant Professor (Physics)
16	June	Dr. Radhakrushna Sahoo	Ph.D.	1	Assistant Professor (Mathematics)
17	June	Dr. Sudhananda Maharana	Ph.D.	9	Assistant Professor (Mathematics)
18	July	Dr. Susanta Kumar Patro	Ph.D.	25	Professor (MBA)
19	July	Mr. Anil kumarBiswal	M.Tech	7	Assistant Professor (Computer Science &Engineering)
20	September	Ms.Pragnya Paramita Samanta	M.A.	Fresher	Assistant Professor (English)
21	October	Ms. Santosini Gouda	MBA	Fresher	Placement Executives (Placement)
22	October	Mr. Prabhas Raj Panigrahi	MBA	5	CEO: NIST Incubation Foundation
23	November	Mr. Rabi Narayan Choudhury	B.Com	15	Estate In charge (Administration)
24	November	Mr. Shaik Akhtar Ali	BHM	20 years	Executive Chef (Food & Beverage)

## ALUMNI



**Mr. Arya Vedabrata**  
CEO, ByteIQ Analytics &  
Co-Founder Mindgraph Tech.,  
India



**Mr. Chinmoy Pattanayak**  
Train Control Metier Head  
at Alstom, India



**Mr. Jipy Mohanty**  
Global General Manager  
at Stealth Startup,  
United States



**Mr. Priyadarsi Sadangi**  
Chief Operating Officer  
at STPINEXT, EMTEK,  
India



**Mr. Rajesh Samantray**  
CEO & Co-Founder  
of OPX-America,  
United States



**Mrs. Payeli Ghosh**  
Co-Founder, Chief of People  
at JIFFY.ai, India

& Many More...

## DISTINGUISHED ALUMNI AWARDEES



**Colonel Nikhil Kumar**  
BTech, ECE, 2001-05  
For his seminal contributions &  
service to the Nation  
*Awarded in Foundation Day Celebration-2022*



**Dr. Chita Ranjan Mohapatro**  
BTech, EIE, 2000-04  
For his seminal contributions in Research  
in Bio Medical Science & Technology  
*Awarded in Silver Jubilee Celebration-2021*

## STAR ALUMNI AWARDEES



**Mr. Swastik Choudhury**  
BTech, IT, 2003-07  
For his seminal contributions to Art  
& Culture



**Mrs. Kumari Sunita**  
BTech, CSE, 2008-12  
For her seminal contributions to  
Public Services



**Mrs. Sonali Satapathy**  
BTech, CSE, 2013-17  
For her seminal contributions to Business  
& Entrepreneurship



## ALUMNI MEMBERS SAYS



**Mr. Abhishek Sarkar**  
Human Capital  
NIST Alumnus  
2009-2013 Batch ECE



**Mr. Rajeev Singh**  
Accenture  
NIST Alumnus  
2004 2008 Batch ECE

“ A college which gave me an opportunity to bloom myself as a person and a stepping stone to start my professional career. ”

“ NIST is one of biggest educational institutes of India where success rate of students is 100%. ”



# NIST IN NEWS





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Officially documenting the **life** of current students at campus  
and reviving the campus **memories** for alumni.