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# National Institute of Science and Technology

(Recognized by Dept. of Higher Education, Govt. of Odisha & Affiliated to Berhampur University)

Center of Academics and Research Excellence Since 1996  
Institute Park, Pallur Hills, Berhampur, Odisha-761008

# College of Science

## B.Sc | M.Sc

Science is a way of thinking...

 <b>2022</b> 72 <sup>nd</sup> All India Rank among Engineering Institutes	 <b>2021</b> NIST is recognised in the band "PERFORMER"	 <b>2020</b> 119 <sup>th</sup> in All India Business School Rank	 <b>2019</b> 60 <sup>th</sup> All India Rank by OUTLOOK	 <b>2018</b> 25 <sup>th</sup> All India Rank by DATAQUEST	 <b>2016</b> 69 <sup>th</sup> All India Rank by NIRF
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NAAC (UGC) accredited With Grade 'A'

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# ABOUT NIST

**National Institute of Science and Technology** was established in 1996 as the first NRI higher educational venture in the state of Odisha with an objective to be a Center for academic and research excellence at par with international universities. It is promoted by SM Charitable Educational Trust established in 1995 by Dr. Sukant K. Mohapatra and Mrs. Sanjeeta Mohapatra as founder / donor trustees. Located at foothills of Pallur

Hills in Berhampur & spanning over sixty acres of lush green campus, NIST is a premier research institute in the country offering undergraduate, graduate, and Ph.D. program in Engineering, Science, and Management.



## 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.

## College of Science

NIST started in 1996 with the mission to create outstanding scientists, engineers, managers and entrepreneurs with academic and research excellence. It is a premier institute in the country today that fosters quality education and innovation among the young generation. The College of Science at NIST has over 30 faculty members all of whom are Doctorates and Post Doctorates from various reputed and prestigious Institutes/Universities of India and abroad. Many faculties have received significant research grants from different organizations of Government of India like SERB (DST), NBHM (DAE), and DBT etc. In the year 2017, the College of Science started M.Sc in Physics, Chemistry and Mathematics followed by B.Sc in Physics, Chemistry and Mathematics (Honours) under Berhampur University. Today it offers B.Sc honors programs in Physics, Chemistry, Computer Science, ITM and M.Sc in Mathematics, Physics, Chemistry, Data Science. The College of Science is well known for its excellence in teaching and research. The faculty members are engaged in state of the art research as well as guiding the Ph.D., M. Sc. and B.Sc. Students. Students are engaged with regular seminars and conferences, publishing scientific journal/conference papers, and actively participating in research projects. The College of Science has collaborative research programs with many research laboratories and research institutes in India and abroad. The Career Development Cell at NIST actively helps students at College of Science in getting internship and lucrative job offers.

## Why join B. Sc & M. Sc @NIST

- Almost all faculties are doctorates from the best institutes in the country and abroad.
- State of the art infrastructure and facilities including Center of Research Excellence Labs.
- Active industry internship, partnership and collaboration – That expose students to real-world Situations, products and working environments.
- Periodic technical talks, conferences, seminars, webinars and events for students to provide in-person interactions with industry leaders around the globe.
- Association with student counselling and mentoring cell throughout the academic sessions.
- Collaboration with global universities for research, student exchange and higher study.

- Opportunities for student to do research, industrial internship, job placement, higher study in abroad etc.
- Opportunities for students to work in Govt. funded projects of faculty members.
- Add-on courses such as, Communicative English, Basics of computer, handling of Origin and Chemdraw software etc.
- Scholarship, assistantship and grants for students.
- Value based education along with academic support.
- Eco-friendly environment, hostel on campus, hostel coaching for average students.

### DR. DURYODHAN SAHU, HOD, CHEMISTRY



Dr. Duryodhan Sahu received Ph.D. from National Chiao-Tung University, Taiwan in 2010. He was a Postdoctoral research fellow at Research centre for applied sciences, Academia Sinica, Taiwan in 2011. He visited Brunel University London, UK, as visiting researcher in the year 2016. He has 16 years of teaching and research experience and published 25 papers in reputed peer reviewed journal. Dr Sahu also Co-authored a book and a book chapter in international publication to his credit. His research interest is in synthesis of organic and nonmaterial for electro-optical and environmental applications.

### DR. BHASKAR BHAULA, HOD, MATHEMATICS



Dr. Bhaskar Bhaula received Ph. D degree from Berhampur University, Berhampur of Dept. Of Mathematics in 2011, Master in philosophy from Madurai Kamraj University, Tamilnadu in 2006 and M.Sc mathematics from Berhampur University in 1987, currently working as an Associate Professor in the Department of Mathematics, NIST, Berhampur, Odisha. He has more than 31 years of teaching experience in AICTE affiliated institutions and 15 years of research experience.

### DR. ASISH KUMAR MOHAPATRA, HOD, PHYSICS



Dr. Asish Kumar Mohapatra has Completed Ph. D degree in Physics from Indian Institute of Technology Dhanbad in December 2018, Master of Technology in Solid State Technology from Indian Institute of Technology Kharagpur and Master of Science in Physics from Ravenshaw University, Cuttack. Dr. Mohapatra Currently working as a Assistant Professor and Head of the Department of Physics, NIST, Berhampur, Odisha.. His research area is Condensed matter Physics and Nanotechnology.

### LABORATORY FACILITY

The College of Science has well equipped and established laboratories including a central research lab equipped with various advanced equipments, a computer lab in which students are taught basic programming languages like Program in C, Fortran, Mat Lab and Mathematica etc. Along with these the students are encouraged to learn some fundamental computational techniques which are helpful for research work. In addition to these, it also has Microwave lab, Device Fabrication Lab, VLSI Design lab, Optoelectronics Lab, Computing Lab, NI Lab View lab.



## STUDENT PLACEMENTS & ACHIVEMENTS



**Ronali Mishra**

Quality Control Officer  
Macson Pvt. Ltd. , Goa



**Saubhagya Sundar Samal**

Quality Control Executive  
Torrent Pharma Pvt. Ltd. , Sikkim



**K Abhishek**

Ph. D  
CU, Jharkhand



**Amlan Anshuman**

M. Sc. Physics  
Placed in Infosys



**Pratikshya Maharana**

M. Sc. Physics  
Placed in TCS



**S R Mishra**

Ph. D  
NIT Rourkela

## STUDENT INTERNSHIP



**Manaswini Panda**

M. Sc. , Chemistry  
IREL (India) Ltd.



**Monalisha Sahu**

M. Sc. , Chemistry  
IREL (India) Ltd.



**P. Swarnam Subudhi**

M. Sc. , Chemistry  
IREL (India) Ltd.

## Courses offered :

### Bachelor of Science (B. Sc.)

**Physics Honours (32 Seats)**  
**Chemistry Honours (32 Seats)**  
**Computer Science Honours (32 Seats)**  
**Information Tech. Management (ITM) (32 Seats)**

### Master of Science (M. Sc.)

**Physics (24 seats)**  
**Chemistry (24 seats)**  
**Mathematics (16 seats)**  
**Data Science (Math. & Comp. Sc.) (16 seats)**

## Faculty Grant and Achievements

- **Dr. Shrabani Mahata** has received a fund of 10.58 lakh by AICTE for the project, "Development of surface passivated quantum dot sensitized frontier technology based semiconducting photoelectrode for H<sub>2</sub> generation for artificial photosynthesis"(2017-2020).
- **Dr. Duryodhan Sahu** received the best researcher award for 2019, by Biju Patnaik University of Technology, Odisha
- **Prof. Rankanidhi Sahu** received a project titled "New applications of deformed shell model" worth Rs. 21,23,000 Funding by SERB

## Research Facilities



## GLOBAL RESEARCH COLLABORATION

