

PROSPECTUS FOR ADMISSION INTO GRADUATE AND POST GRADUATE COURSES (SELF FINANCING) 2018-19



*Accredited with Grade 'A' by NAAC
Recognized by Govt. of Odisha and
affiliated to Berhampur University, Odisha*



NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY
PALUR HILLS, BERHAMPUR, ODISHA - 761 008

ADMISSION SCHEDULE

20th May -
25th June 2018

- Availability of online application forms (PG)

25th June 2018

- Last date for submission of e-application form

30th June 2018

- Last date for submission of hard copy of the filled-in application form (PG) along with all supporting documents to **The Admission Coordinator, NIST, Palur Hills, Berhampur, Odisha - 761008**

1st July 2018

- Downloading of Admit Card from the website

3rd July 2018 at
11:00 AM

- Entrance Tests for different courses (PG)

The above PG Courses are offered in the semester pattern under the choice based credit system. To apply and know the procedural details, visit www.nist.edu.

ABOUT NIST

National Institute of Science & Technology (NIST) was established in the year 1996 by a group of academicians educated in the top Institutes of India & abroad. It is being managed by the SM Charitable Educational Trust under the vision of its renowned philanthropist and educationist Chairman, Late Sri SurendraMudali. The founder Director, Prof SangramMudali is B.Tech from IIT Kanpur (1985) & MS from University of Houston, USA (1987). He & his wife Mrs. GeetikaMudali, Placement Director (B.Tech-Osmania University, MS-NJIT, USA) left USA to establish a world class Institute in their home state, Odisha. Within a

few years the reputation of the Institute spread far and wide and it admitted students only from the top 20% of the Odisha Joint Entrance Examinations and All India Entrance Examinations. Within a short span it has produced 4 BOYSCAST faculty scholars who have been funded by Government of India to pursue postgraduate research in the top Institutes in USA and Germany. NIST has also produced 3 Full-Bright Scholars. Three of its faculty members have won the Samant Chandrasekhar Young Scientist Award given by the Government of Odisha. The faculty members of the Institute has been awarded URSI Young Scientist Awards. The faculties of the Institute have published more than 250 journal papers in refereed journals and are authors of about 24 books published by reputed publishing houses. The Institute has also its own publishing house "NIST Publications". The Institute has received a number of grants for projects, SDPs, workshops, conference, seminar, FIST grant, scholarships, etc., from the, FIST, DST, CSIR, NBHM, AICTE and from various IT companies. The faculty members of the Institute has fully committed themselves to the Institute. NIST is considered as a benchmark research institution in eastern India. The Institute has recently signed MoU's for research collaboration in the field of nanosciences, communications, semiconductor technology with the National Taiwan University and University of Electro Communications, Japan. NIST has signed MoU with companies like Sandhur and SunMoksha for collaborative work in the area of nano technology and renewal energy. NIST, in association with IIT, Khargapur, is also part of the MHRD Virtual Laboratory project. Along with the course on the basic science and social science the Institute offers other technical courses in B.Tech, M.Tech, MBA and MCA .

Some of the Achievements of the Institute are highlighted below.

- ☞ NIST has been ranked #1st in Eastern & 14th in India CMR Survey Report 2017.
- ☞ NAAC has Accredited NIST with Grade A with a high score of 3.22
- ☞ NIST has bagged with the prestigious e-INDIA 2013 Award at an event held in Hyderabad on July, 23 under the category of "Best Teaching Learning Institute".
- ☞ NIST has once again proved its credentials in bagging the "Best Technical Institute in R & D Activities" in the State of Odisha. The Award was

received by NIST at a glittering ceremony in JaydevBhavan, Bhubaneswar on the eve of Engineers' Day-2013.

R & D Laboratories @ NIST

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, Micro strip Antenna Fabrication Unit, Power Supply, Measuring instruments, Fiber 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.

Center of Excellences established in partnership with Industry such as CADENCE, IBM, SAP Asia Pacific, National Instruments, Texas Instruments, ARM, WIPRO. Other center of excellences like 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.

Research led Teaching: Our Institute prides itself in research-led-teaching. Student Research through Summer Internship & Research Assistantships and Teaching assistantships have significantly led to academic rigor and competitiveness leading to student publications and more students opting for pursuing higher education. The teaching learning process has been significantly enhanced with the availability of NPTEL courseware (web based and video based), 600+ E-journals, E-books and video conferencing facilities which are being extensively used by all faculty and students. The unique product of NIST Technology Consulting Services (NTCS) called "Online Information Systems (OIS)" is currently being used by many Odisha colleges for the management of

the institutes. NIST is a leader in use of e-governance for providing an efficient, transparent mechanism to all its stakeholders.

Activities @NIST

Extra-Curricular Activities: The wholesome development of students is an avowed aim of the India as enshrined in its vision statement. Students clubs such as Robotics Club, Renewable Energy Club, Astronomy Club, Electronics Club, Club Innova, Programming Club, Club Excel add the technical zing to outside the classroom activities. The NIST Robotics club's entry was adjudged the Best Innovation Idea in Robocon 2010 at the national level. Technofests, Sports Meets and Cultural Programs keep the spirit of competition in top gear among the student community. The ISTE chapter of NIST is the largest such chapter and has won 3 Best Chapter Awards. Similarly the only IEEE ED chapter in Odisha is in NIST.

Industry Academic Tie-up: TIFAC-Technology Information Forecasting and Assessment Council established its Rs. 9.15 crore Centre of Excellence at NIST on 3G/4G Communication Technologies sponsored by the Department of Science and Technology, Govt. of India. The foundation of this mission rests firmly on the triangular linkage between the academic institution, industry and government. Its objective is to create a Centre of Excellence for the growth of Indian Telecom Industry and an Incubator for Emerging Technologies in the field of Communication. Cadence, a global VLSI Tool Company, in association with NIST, Berhampur, Odisha got the Cadence Centre of Excellence inaugurated at the NIST premises on 10th August 2010. This is the one and only Cadence Center in India apart from the one in China and Brazil. The IBM Center of Excellence, the 1st of its kind in Odisha, was inaugurated at NIST by HimanshuGoyal, IBM Country Manager and Mr. VikashManoria, IBM Academic Initiative representative on 27th October 2009. It is established to give students and faculty the opportunity to work closely with the industry and utilize both the resources in the best possible manner. IBM has donated software worth lakhs in the fields of

database engineering, software engineering, web applications, etc. In addition, IBM key faculty is training our students towards certification. NIST faculty is working together with IBM trainers on key projects, sabbaticals, research, etc. Similarly SAP, National Instruments, Texas Instruments, WIPRO Mission 10X Centre, academic institutions such as IIT, Kharagpur are collaborating with NIST on a number of R & D projects.

Incubators at NIST: The Institute has a strong entrepreneurial culture having established its DST and MSME funded incubator in the campus like K-Technologies, Solanix, Wiz-Biz Technologies. More than two dozen entrepreneurs amongst its alumni are testimony to its avowed aim of producing "job creators". The Institute also has EDC and IIPC Unit for igniting entrepreneurial culture among the student's communities. The Institute has already applied for Technology Business Incubation (TBI Centre) to DST, Govt. of India for use of IT Solutions in Rural Problems.

Infrastructure: The physical infrastructure at NIST is second to none. Nestled in the green hills of Palur, the campus is spread over 55 acres and is home to 1900 students residing in the campus. A fully wi-fi campus with landscaped gardens, aquarium, parks, fountains, makes it a place full of joy of living amidst nature. The sports infrastructure of indoor games, swimming pool, floodlit tennis courts, basketball courts, cricket, and indoor stadium (under construction) makes it a veritable paradise for sports lovers. The 4.3 square feet of academic space makes it one of the largest in this part of the country.

Community Services: NIST has contributed handsomely to the development of the community by running employment training programs, establishing public libraries, donating computers, helping school for tribal children at DIGANTA, training school students and finally providing employment to over 600 staff and faculty.

COURSES OFFERED

Post Graduate Programs (M. Sc):

Sl.No	Courses	Duration	No. of seats
1	Physics	4 Semesters	16
2	Mathematics	4 Semesters	16
3	Chemistry	4 Semesters	16

Admission into the above Post graduate courses is through an Admission Test and career weightage. (www.nist.edu)

Under Graduate Programmes (B. Sc / B. Com):

Bachelor of Sciences		
Courses	Duration	No. of seats
Physics (Hons)	6 Semesters	32
Mathematics (Hons)	6 Semesters	32
Chemistry (Hons)	6 Semesters	32
Bachelor of Commerce		
Commerce (Hons)	6 Semesters	64

Admission into the above undergraduate courses is as per Govt.of Odisha e-admission process (SAMS: <http://dheodisha.gov.in/SAMS>).

ELIGIBILITY FOR ADMISSION INTO M.SC

(A) The minimum qualifying degrees/subjects for admission to various courses offered under NIST are provided in the following table

Subject	Qualifying Examination	Subject(s) at the Qualifying Examination	Remarks
PHYSICS	B.Sc	Physics and Mathematics / Chemistry/ Electronics/ Geology/ Computer Science	

CHEMISTRY	B.Sc	Chemistry and Physics / Mathematics/ Environment & Water Management/Polymer Science	
MATHEMATICS	B.Sc	Mathematics	Must have studied minimum 400 marks in Math

- B.** Any applicant who has passed the qualifying degree examination (as indicated in above Table) of (A), or any other examination conducted by other Universities/Institutions which is recognized as equivalent thereto by Berhampur University and fulfilling the minimum qualifying marks as in the below shall be eligible for admission into a course (unless otherwise specified in the Regulations).

Course Name	Qualifying Degree	General	SC/ST (5% Relaxation)
M.Sc.	As per above table	45%in aggregate or inhonours of the concerned Subject	40% in aggregate

C. Other Criteria

- i. For candidates who have passed more than one qualifying examination, the examination in which they have secured the highest marks shall be considered for determining eligibility. The details of qualifying examinations and other requirements that a candidate has to satisfy while seeking admission into various courses are given in above Tables.
- ii. A Master's degree holder of Berhampur University or of any other University in India or abroad shall not be considered for admission into M.Sc. Courses of this university.

- iii. A student who has already completed a Post Graduate Course in a subject but either did not appear at the concerned examination for whatever reason or failed in the said examination shall not be considered for admission into M.Sc., courses of the P.G. Departments.
- iv. If an applicant has been a student of a course in any Department of Berhampur University, he / she will not be considered for admission into the same course of this university again.

FOR ATTENTION OF ALL APPLICANTS

1. The applicants, before applying for any of the above courses, are advised to carefully go through the Prospectus and visit the CollegeWebsite (www.nist.edu) to know about the profile of the College. They are also advised to visit the College Campus, Palur Hills, Berhampur, if so desired, to see for themselves, the available infrastructure and other facilities. If satisfied, they may apply for any of the courses as per their eligibility. Once admitted, making any unreasonable demand thereafter shall not be entertained and it shall be treated as an act of indiscipline.
2. An applicant with criminal antecedents involving moral turpitude shall not be admitted to any course. Suppression of facts in this regard shall make a candidate ineligible and admission of such candidates will be cancelled. The candidate has to submit an affidavit to this effect at the time of admission in non-judicial stamp paper of Rs.10/-duly sworn in before a Judicial Magistrate/Notary.
- 3. PROCEDURE FOR ADMISSION AND DETERMINATION OF MERIT**
 - (a) Admission to all the above courses shall be governed by the Regulations of the University.
 - (b) Admission into all regular P.G. courses mentioned in the above table will be made through an Admission Test to be conducted by the

Institute. The final selection of eligible candidates will be made based on the Career points (70% weightage) and marks secured in the Admission Test (30% weightage).

- (c) A candidate whose conduct is not satisfactory or with criminal antecedents shall NOT be considered for admission.

ONLINE APPLICATION PROCEDURE

Please visit the NIST website www.nist.edu and follow the online application procedure.

SUBMISSION OF APPLICATION FORM ALONG WITH SELF ATTESTED COPIES OF CERTIFICATES

Candidates seeking admission into various courses of NIST have to fill up online application form available at www.nist.edu from **20th May 2018** onwards and send the print copy of the system generated Application Form after signing in the last page TO THE ADMISSION COORDINATOR, NIST, PALUR HILLS, BERHAMPUR-761008 by Speed/Registered post so as to reach on or before **15th June 2018**. The application form must be accompanied with self-signed photo copies of mark sheets and certificates starting from class 10th onwards along with the photo copy of the Aadhaar-Card. The applicants are required to write "Application for admission to the P.G. Course in.....subject" and the Admission Test Roll Number (Regd.No) on the top of the envelope.

The Institute shall not be responsible for any postal delay. Incomplete application in any form shall be summarily rejected.

PREPARATION OF MERIT LIST OF ELIGIBLE CANDIDATES

For admission into M.Sc. Career points shall be awarded as below:

Examination Passed	1 st Class	2 nd Class	3 rd Class/Pass
H.S.C./10 th Class	15	12	8
Intermediate/+2	25	18	12
GRADUATION			

i. Honours	50	40	--
ii. Pass	--	--	30
iii. Distinction	10	10	10

Note: For candidates passing as 'Compartmental', no career points shall be awarded in that examination.

Subjects in which Honours is offered at Graduation level will be given due credit under Honours category and career points will be calculated as per the above table while other subjects of qualifying examination will be given career points as applicable for pass category.

Photocopies of following documents are to be enclosed:

Certificates and mark sheets of 10th, +2 and +3 Degree examinations / equivalent examinations and Aadhaar Card.

COMMENCEMENT OF CLASSES

Classes of the Part-I will commence on the date to be notified by the Course Coordinator, School of Sciences.

DISPUTES

All disputes concerning admission and studentship are subject to the exclusive jurisdiction of the Civil Courts and legal forum at Berhampur (Ganjam). All admissions are provisional and can be cancelled at any time for any valid reason such as misconduct, forgery, etc.

RAGGING

Ragging in any form is strictly prohibited. Severe action shall be taken as per rules against those involved in ragging. As per the U.G.C guide line 6.1 (d & e) of the regulation (F-1-16/2007 (CPP -II/dated 17 June 2009), it is mandatory for all

the applicants to submit an affidavit in a non-judicial stamp paper as per the prescribed proforma enclosed in the prospectus, if admitted. The detail regulation is herewith attached in the Annexure-III

ANNEXURES TO BE SUBMITTED AT THE TIME OF ADMISSION

ANNEXURE –I AFFIDAVIT BY THE STUDENT

1. I.....
(full name of student with admission/registration/enrolment number)
S/o/D/o Mr./Mrs./Ms., having
been admitted to National Institute of Science and Technology, Palur Hills,
Berhampur have received a copy of the UGC Regulations on Curbing the
Menace of Ragging in Higher Educational Institutions, 2009, (hereinafter
called the "Regulations") carefully read and fully understood the provisions
contained in the said Regulations.

2. I have, in particular, perused clause 3 of the Regulations and am aware as
to what constitutes ragging.

3. I have also, in particular, perused clause 7 and clause 9.1 of the
Regulations and am fully aware of the penal and administrative action that
is liable to be taken against me in case I am found guilty of or abetting
ragging, actively or passively, or being part of a conspiracy to promote
ragging.

4. I hereby solemnly aver and undertake that

(a) I will not indulge in any behaviour or act that may be constituted as ragging under clause 3 of the Regulations. I will not participate in or abet or propagate through any act of commission or omission that may be constituted as ragging under clause 3 of the Regulations.

5. I hereby affirm that, if found guilty of ragging, I am liable for punishment according to clause 9.1 of the Regulations, without prejudice to any other criminal action that may be taken against me under any penal law or any law for the time being in force.

6. I hereby declare that I have not been expelled or debarred from admission in any institution in the country on account of being found guilty of, abetting or being part of a conspiracy to promote, ragging; and further affirm that, in case the declaration is found to be untrue, I am aware that my admission is liable to be cancelled. Declared this ___ day of _____ month of _____ year.

Signature of deponent

Name:

VERIFICATION

Verified that the contents of this affidavit are true to the best of my knowledge and no part of the affidavit is false and nothing has been concealed or misstated therein. Verified at(place) on this the(day) of(month), (year).

Signature of deponent

Solemnly affirmed and signed in my presence on this the (day) of(month),(year) after reading the contents of this affidavit.

OATH COMMISSIONER

ANNEXURE -II
AFFIDAVIT BY PARENT/GUARDIAN

1. I, Mr./Mrs./Ms.
(full name of parent/guardian), father/mother/guardian
of.....
(full name of student with admission/registration/enrolment number),
having been admitted to National Institute of Science and Technology,
Palur Hills, Berhampur, have received a copy of the UGC Regulations on
Curbing the Menace of Ragging in Higher Educational Institutions, 2009,
(hereinafter called the "Regulations"), carefully read and fully understood
the provisions contained in the said Regulations.
2. I have, in particular, perused clause 3 of the Regulations and am aware
asto what constitutes ragging.
3. I have also, in particular, perused clause 7 and clause 9.1 of the
Regulations and am fully aware of the penal and administrative action that
is liable to be taken against my ward in case he/she is found guilty of or
abetting ragging, actively or passively, or being part of a conspiracy to
promote ragging.
4. I hereby solemnly aver and undertake that
(a) My ward will not indulge in any behaviour or act that may be
constituted as ragging under clause 3 of the Regulations.

(b) My ward will not participate in or abet or propagate through any act of commission or omission that may be constituted as ragging under clause 3 of the Regulations.

5. I hereby affirm that, if found guilty of ragging, my ward is liable for punishment according to clause 9.1 of the Regulations, without prejudice to any other criminal action that may be taken against my ward under any penal law or any law for the time being in force.

6. I hereby declare that my ward has not been expelled or debarred from admission in any institution in the country on account of being found guilty of, abetting or being part of a conspiracy to promote, ragging; and further affirm that, in case the declaration is found to be untrue, the admission of my ward is liable to be cancelled.

Declared this ____day of _____ month of _____year.

Signature of deponent

Name:

Address:

Telephone/Mobile No.:

VERIFICATION

Verified that the contents of this affidavit are true to the best of my knowledge and no part of the affidavit is false and nothing has been concealed or misstated therein.

Verified at(Place) on this the(Day) of
(Month),.....(Year).

Signature of deponent

Solemnly affirmed and signed in my presence on this the (Day) of(month), (year)after reading the contents of this affidavit.

OATH COMMISSIONER

ANNEXURE -III
DECLARATION FOR ALL APPLICANTS

1. I Mr/Ms. do hereby declare that I am aware of the provision that students admitted to the M.Sc courses are not permitted to take concurrent admission in any other course(s) or appear at any other examination so long as they continue their studies in the concerned courses, and until they have fully appeared at the said examinations.

2. I do hereby declare that I have not been admitted to any other course(s) nor shall I appear at any other examination as long as I continue my studies in the course, if admitted.

3. I do hereby further declare that I am not serving in any Government (Central or State) Organization, Corporation or Undertaking or employed otherwise.

4. If at any time it is found that I have violated the above conditions, I shall be liable to forfeit my seat, cancellation of my admission and such other penal action as may be considered appropriate by the University.

Date:

Full Signature of the Applicant