VISION
Imparting education that prepares students to be leaders of the emerging global society.

MISSION
To ensure industry participation to make the education contemporary and experiential.
Design and deliver education programs to help work force stay current with their knowledge and skills for career advancement.
Groom students to take up leadership positions in their chosen walks of life.
Make research and development an integral part of the university culture.
CHANCELLOR'S OVERVIEW

My forefathers came to Kolkata over a hundred years ago and today, I am proud to belong to this vibrant city and claim it as my native place. My uncle, Suresh Kumar Neotia and my father, Vinod Kumar Neotia were co-promoters of Gujarat Ambuja Cements Limited. We have also played a leading role in Eastern India in the fields of realty, hospitality and healthcare.

My foray into education has been a natural corollary in finding some of the best talent for the gamut of industries that already exist and what the country is gearing to look forward to in the near future. Most of the institutions of higher education still teach the subjects which were useful in 60s and 70s, while at TNU we are ensuring that education provided is contemporary to help the young work force of our country remain relevant in future with their knowledge and skill. With this in mind we have brought in Robotics Engineering in collaboration with Phi Robotics Research Private Limited, Computer Science and Engineering with specialization in Cyber Security/ Data Analytics in collaboration with IBM, Electrical Engineering with specialization in Renewable Energy/ Power System in collaboration with Adani Power Limited. We have also started courses in Agriculture and Biotechnology to fill in the gaps in defined job profiles for the students of Eastern India.

Our vision is to ensure that our alumnae emerge as ethical, intellectual and professional Leaders, but also to our society and country. Leaders who will show the way to better world where, as Rabindranath Tagore has aptly said, “the mind is without fear and the head is held high…”

I invite you to experience TNU.

Warm Regards

Harshavardhan Neotia
Chancellor
The Neotia University
VICE CHANCELLOR'S MESSAGE

The objectives of The Neotia University is to develop 'Universal Knowledge'. Exploration of knowledge originates through proper education. We from The Neotia University (TNU) endeavours to provide holistic education relevant and required for the 21st century and beyond by perfecting and building up the mind of students.

The world is entering into the virtual age and use of software based technologies like educational analytics and virtual classrooms are employed here so that the students can learn and adopt themselves with the upcoming international systems. The teaching pedagogy includes experiential learning through industrial training, laboratory and research based studies. The University has introduced choice based credit system for allowing the students to explore themselves beyond their conventional degree programs. In addition to these, the students are encouraged in developing their physical and emotional fitness in enhancing concentration of their mind to build up personality. The university campus is free from the madding crowd, providing a serene and tranquil ambience in teaching, learning, and translation of knowledge. The lush green, beautifully landscaped campus is equipped with facilities that make campus life highly enjoyable.

On behalf of the University Community I am inviting the parents and students to explore our offerings in the pages that follow. We are also welcoming the educationists and researchers in translating their experiences and expertise to motivate the young minds in building up knowledge and leadership for the service of the nation.

Warm Regards

Biswajit Ghosh
Vice Chancellor
The Neotia University
Prof. Anuradha Lohia
• Vice Chancellor, Presidency University
• Senior Professor, Department of Biochemistry, Bose Institute, Kolkata
• Visiting Professor & Scientist to a large number of Universities in UK & USA including Stanford University
• CEO, Welcome Trust/ DBT India Alliance, Hyderabad
• Elected fellow of Indian Academy of Sciences
• Member of large number of National & International Committees

Prof. Biswajit Ghosh
• Vice Chancellor, The Neotia University
• Government of West Bengal honored him with 'Sikharatna', the 'Outstanding Teacher'
• National Institute of Technology, Agartala, honored him with D.Sc. for his outstanding contributions in Science, Engineering and Education.
• Former postdoctoral researcher at Stuttgart University, Germany
• Former Fellow of European Commission and Visiting Reader at Northumbria University at Newcastle, Academic Visitor at Imperial College, London
• Former Royal Society Overseas Scientist at University of Surrey Guildford
• Former Visiting Professor as well as Leverhulme Visiting Professor at Newcastle University, Newcastle, UK
• Former Advisor at United Nation Industrial Development Organization (UNIDO) in Energy & Climate Change

Mr. Harshavardhan Neotia
Padmashri in 1999 for outstanding initiative in forging public private partnership development of social housing
Chairman - Ambuja Neotia Group Pvt Ltd.
Managing Director - Bengal Ambuja Housing Development Ltd.
Chairman - Neotia Healthcare Initiative Ltd.
Chairman - GGL Hotel & Resort Company Ltd.
Former President - FICCI
Member - World Residents’ Organisation
Former Member - Board of IIT, Kanpur and Kharagpur
Former Member - Board of IIM, Kolkata

Mr. M. K. Narayanan
Former Governor of West Bengal
Former Chief of Intelligence Bureau, Special Advisor of Internal Security to Prime Minister of India
Indian National Security Advisor, Govt. of India
Significant role in the negotiation of the landmark Indo-US Nuclear Agreement

Dr. Hari Gautam
• MS FRCS (EDIN) FRCS (ENG) FAMS FACS FICS FIACS DSc (Hons.Causa)
• Principal Advisor to Chairman, University of Medical Sciences & Technology, Jaipur
• Former Chairman, University Grants Commission
• Former President, Mahatma Gandhi University of Medical Science & Technology
• Former Chancellor, KIIT University, Bhubaneswar
• Former Vice Chancellor, Banaras Hindu University
• Former Vice Chancellor, Kings George’s Medical University
• Eminent medical educationist, eminent higher educationist and administrator
• Former President, National Academy of Medical Sciences
• Dr. B C Roy National Award for developing Cardio-Thoracic Surgery in India
• Lifetime Achievement Award from Association of Surgeons in India and Association of Cardiovascular Surgeons

Professor Subha Sankar Sarkar
• Vice Chancellor, Netaji Subhas Open University
• Former Director of Public Instructions (WB) & Ex-officio Secretary, Higher Education Department, Govt. of West Bengal
• Former Professor of Geology, Durgapur Govt. College
• Member Advisory Committee of Higher Education, Govt. of West Bengal
• Member of large number of committees, Govt. of West Bengal
Mr. S. K. Misra
- Padma Bhushan in 2009
- Former Principal Secretary, Prime Minister of India
- Former Secretary, Ministries of Tourism, Civil Aviation and Agriculture
- Former Director General, Festivals of India
- Former Chairman, INTACH
- Founder, Indian Trust for Rural Heritage and Development
- Former Vice Chancellor, Punjab Agricultural University in Ludhiana and Key member in establishing Motilal Nehru School of Sports at Rai (Sonepat)

Ms. Madhu Neotia
- Advisor to Ambuja Neotia Group's Hospitality & Healthcare Ventures
- Trustee of Performing Arts Institute, Padatik
- Chairperson – BOG IICD, Jaipur
- Member of the Board of Regional Committee of ICCR, Kolkata
- Former President of Ladies Study Group, an affiliate of Indian Chamber of Commerce

Mr. Sanjay Sethia
Founder, CEO & Managing Director - Spectra Fashions
Managing Garment Manufacturing and their Export for over 20 years.
Developed a great deal of expertise and trustworthy relationship with suppliers and clients alike both within India and Internationally.
Active member of various trade bodies and associations.

Mr. Subhojoyti Ghosh
Registrar, The Neotia University (TNU)
Founder Member & Former Professor of Economics, ICFAI University Sikkim
Founder Member, Former Professor and Head, Department of Economics, Government College Rhenock, Sikkim
Former Professor and Head, Department of Economics, Sikkim Government College, Tadong, Sikkim
Board Member, Sikkim Alpha Society; a centre for under privileged children
Former Member, Board of Management, ICFAI University Sikkim
Prominent academician with over 17 years of experience in teaching, training & academic administration

Pt. Vijay Kichlu
- Bestowed with the Civilian Award Padmashri by Government of India in 2018
- Sangeet Natak Academy Ratna and Fellowship Award 2014 given by the President of India
- Founding Director Sangeet Reserch Academy, ITC Limited
- Leading Vocalist - Agra Gharana
- Public Performance of classical and vocal music all over India, USA, Canada, Europe, Middle East & Philippines
- Honorary Citizenship, State of Maryland and City of Baltimore, USA

Mr. Hemant Kanoria
Chairman & Managing Director - SREE Infrastructure Finance Ltd., the only Indian non-banking finance institution listed on the London Stock Exchange
Member - Managing Committee of Indian Chamber of Commerce
Member - Managing Committee of Indo-German Chamber of Commerce
Former Chairman - National Committee for Infrastructure, FICCI
Member - WPO
Former President - Calcutta Chamber of Commerce
Former Member - Regional Direct Taxes Advisory Committee, Ministry of Finance, Govt. of India
Former Chairman - Economic Affairs Subcommittee, CII (Eastern Region)

Mr. Pradip Jyoti Agrawal
Advisor to the Chairman, Ambuja Neotia Group
Chartered Accountant
Strategic thought leader, Ambuja Neotia Group
Spearheaded various group initiatives
Former Chief Executive, Ganpati Greenfields Ltd; Led the Raichak project
Responsible for non-banking financial transactions including dealing with strategic partners for Ambuja Neotia
In charge of the education vertical of Ambuja Neotia Group
The family of the Founder and Chancellor Mr. Harshavardhan Neotia were co-promoters of the cement giant, Ambuja Cement Ltd. Ambuja Neotia is one of the most prominent and respected corporate house headquartered in Kolkata with its forte in real estate, hospitality, healthcare and education. The group, under the stewardship of Mr. Harshavardhan Neotia has been responsible for landmark projects in and around Kolkata.

Ambuja Neotia Group, with a strong sense of social commitment, extends its capabilities towards the development of education. The Neotia family started its journey in education with Neotia Institute of Technology, Management and Science (NITMAS), previously known as Institute of Technology and Marine Engineering (ITME), a college established in 2002, affiliated to the then West Bengal University of Technology, which is now known as Maulana Abul Kalam Azad University of Technology (MAKAUT). The Neotia University (TNU) was established vide the West Bengal State Government Act XXIII of 2014. Though TNU is relatively new in its present configuration, it has its antecedents in the 17 years old institution.

TNU and NITMAS are the two dynamic endeavours of the Ambuja Neotia Group in the field of education. While NITMAS continues to offer long-established conventional courses to the students in West Bengal, TNU is primarily reaching out to much larger audience offering various Courses of Engineering, Maritime Studies, Hospitality and Culinary Arts, Agriculture and Bio-Sciences, Life Sciences, Humanities, BBA with specialization in Retail Management, Hospital Management and Integrated BBA & B.A with LLB (Hons.) under School of Law and Management.

Both TNU and NITMAS are diligent to pursue of excellence and aim to attain holistic development of its students by fostering a truly inspirational academic environment and ensure that the education provided is contemporary and experiential through partnership with industries and other academic institutes.
ADMISSION PROCESS

First level of the test (Test 1) is mandatory for every aspirant of undergraduate course. This part of the test assesses aptitude, tenacity, creativity, logical and analytical abilities, and communication skills. 1 hour duration.

Students who are desirous to join B.Tech, B.Sc in Nautical Science* & B.Pharm* programs should appear for the second level of the test (Test 2). This part of the test evaluates Physics, Chemistry & Mathematics (PCM). 30 minutes duration.

Post Graduate Courses in M.Tech CSE, M.Sc, M.A selection will be made on Personal interview basis.

GATE qualification required for M.Tech.

Admission to the University will be confirmed on payment of the first installment of the fees and verification of the eligibility criteria & documents.

Students who are eligible for taking admission in B.Tech (MRE) and B.Sc (NS) will undergo a medical test as per DG Shipping criteria.

WHY TNU?

- 50 acres lush green Campus with full security & CCTV for 24 X 7
- Recognized & Enlisted by the University Grants Commission (UGC), Govt. of India and other requisite Govt. Approval Bodies
- Smart Classrooms, Language Lab, Mechanical Workshop, Ship-in-Campus, Bridge Simulator, Freefall boat, State of the Art Laboratories and many more
- Pro-active Training & Placement Cell with 100% focus on Employability
- Academic & Placement tie-ups with industry for almost every course
- Choice Based Credit Systems (CBCS) wherein, students are empowered to
  - Choose various Elective Subjects along with Core Subjects
  - Continuous evaluation system
  - Easy transfer of Credits to Foreign Universities
- 25% - 100% Scholarships on various categories on Tuition Fee
- Tie up with National & Other Banks for hassle free Education Loans
- Received a number of Government funded research projects with a grant of apprx. INR 80 lakhs and many are in the pipeline
- Free Wi-Fi facility for all Faculty and Students for 24 hrs.
- Medical College, Apollo, NIMNANS, Le Meridien, Vijay Mahal, Hyatt Regency, Swissotel etc.
- Curriculum designed by Expert Committees consisting of Industry Experts and Academic Stalwarts
- 8000 sq.ft of reading area, 31000+ National and International books & Journals, 3 million e-books and research journals available in the Library. Study materials and books are issued from library without any extra cost
- Medical Insurance of Rs 50,000 for all individual students till the end of their courses
- Doctors on Campus with fully equipped Dispensary and Ambulance at all the time
- Various Students’ Club to enhance talent in the areas of Technology, Sports, Music etc.
- Separate Residential Accommodation for Boys (1000+) and Girls (350+) students. More than 100 staff quarter inside the campus
- Gymnasium, Swimming Pool, Indoor & Outdoor Game facilities with Coach and Instructors available. Sports and Grooming facilities for Girl Students including mandatory Karate learning
- A/C Coach bus facility for Day Scholars from Kolkata and around

AWARDS & RECOGNITIONS

The Economic Times
Awarded as the Symbol of Excellence in Education & Skilling India’s Future by The Economic Times, Best Education Brands, 2017.

Certificate of Inspection
Marine facilities of TNU get Grade A2 (very good) under CIP by DNV GL., audited by D.G. Shipping.

National Programme on Technology Enhanced Learning
Best Upcoming University in India awarded by Worldwide Achievers, in 2016.

Praxis Media
Best Emerging Private University in India awarded by Praxis Media Private Limited, in 2016.

Medical College, Apollo, NIMNANS, Le Meridien, Vijay Mahal, Hyatt Regency, Swissotel etc.

Praxis Media
SCHOLARSHIPS & FINANCIAL AID

We believe that no student should be stopped from pursuing their passion or achieving their full potential because of financial difficulty. At TNU, we offer numerous merit-based as well as need-based scholarships to ensure that no student is left behind. In addition, the University has arrangements with SBI and Syndicate Bank to provide Educational Loans to the students.

<table>
<thead>
<tr>
<th>SL. NO.</th>
<th>TYPES OF SCHOLARSHIP</th>
<th>H.S MARKS or JEE RANK</th>
<th>FINANCIAL CONDITION</th>
<th>SPORTS CHAMPIONSHIP</th>
<th>CULTURAL PARTICIPATION</th>
<th>% OF SCHOLARSHIP ON TUITION FEE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TEJASVI SCHOLARSHIP</td>
<td>&gt;=96%</td>
<td>WBJEE WITHIN 2500/JEE MAIN WITHIN 10000</td>
<td>ANY</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>91 - 95%</td>
<td>WBJEE WITHIN 5000/JEE MAIN WITHIN 30000</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>86 - 90%</td>
<td>WBJEE WITHIN 10000/JEE MAIN WITHIN 50000</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>81 - 85%</td>
<td>WBJEE WITHIN 15000/JEE MAIN WITHIN 75000</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td>2</td>
<td>SPORTS SCHOLARSHIP</td>
<td>&gt;= 60%</td>
<td>WBJEE WITHIN 20000/JEE MAIN WITHIN 100000</td>
<td>- do -</td>
<td>STATE / NATIONAL LEVEL CHAMPION</td>
<td>- do -</td>
</tr>
<tr>
<td>3</td>
<td>CULTURAL SCHOLARSHIP</td>
<td>&gt;= 60%</td>
<td>WBJEE WITHIN 20000/JEE MAIN WITHIN 100000</td>
<td>- do -</td>
<td>N.A.</td>
<td>STATE / NATIONAL LEVEL PARTICIPANT/ CHAMPION</td>
</tr>
<tr>
<td>4</td>
<td>SARVODAYA SCHOLARSHIP (In the memory of Late Suresh Kumar Neotia)</td>
<td>&gt;= 91%</td>
<td>Any Board/ University</td>
<td>Yearly Family Income below 2.5 Lakhs **</td>
<td>- do -</td>
<td>N.A.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>86 - 90%</td>
<td>Yearly Family Income below 2.5 Lakhs **</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>81 - 85%</td>
<td>Yearly Family Income below 2.5 Lakhs **</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt;= 60%</td>
<td>Yearly Family Income less than 2.5 Lakhs **</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td>5</td>
<td>MERE APNE SCHOLARSHIP (For Ambuja Neotia Group employees in the memory of Late Vinod Kumar Neotia)</td>
<td>&gt;= 60%</td>
<td>- do -</td>
<td>Yearly Family Income less than 5.0 Lakhs **</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- do -</td>
<td>Yearly Family Income more than 5 Lakhs **</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td>6</td>
<td>SAHODARYA SCHOLARSHIP (Siblings of all students - present or passed out)</td>
<td>&gt;= 60%</td>
<td>- do -</td>
<td>ANY</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td>7</td>
<td>GRAMOTTHAN SCHOLARSHIP (Students from Gram Panchayat area of South 24 Parganas)</td>
<td>&gt;= 71%</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60 - 70%</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
<td>- do -</td>
</tr>
</tbody>
</table>

For more details visit [www.tnu.in](http://www.tnu.in)

**Note:** Scholarship for International Students is Separate
COURSES ON OFFER IN 2019-20

School of Engineering & Applied Sciences

B.Tech in Robotics Engineering (4 years)

B.Tech in Electrical Engineering with specialization in Renewable Energy / Power System (4 years)

B.Tech in Mechanical Engineering with specialization in Mechatronics / Automobile Manufacturing (4 years)

B.Tech in Computer Science & Engineering with specialization in Cyber Security / Data Analytics (4 years)

M.Tech in Computer Science & Engineering with specialization in Cyber Security / Data Analytics (2 years)

School of Agriculture & Allied Sciences

B.Sc (Hons.) in Agriculture (4 years)

Bachelor of Fisheries Science (4 Years)

School of Life Sciences

B.Sc. (Hons.) in Biotechnology (3 Years)

M.Sc. in Biotechnology (2 Years)

Bachelor of Physiotherapy (BPT) (4.5 Years)

B.Sc. in Optometry (BOPT) (4 Years)

School of Pharmacy

Bachelor in Pharmacy (B.Pharm) (4 Years)

School of Maritime Studies

B.Tech in Marine Engineering (4 years)*

Bachelor in Nautical Science (3 years) (Leads to be the Captain of a ship)*

School of Hospitality & Culinary Art

B.Sc. in Hospitality Administration (With Swiss Diploma) (3 years)

B.Sc. in Hospitality Administration (3 Years)

B.Sc. in Culinary Arts (3 Years)

School of Legal Studies

Integrated BBA with LLB (5 years)**

Integrated BA with LLB (5 years)**

School of Humanities, Management & Social Sciences

BBA with specialization in Retail Management (3 years)

Bachelor in Hospital Management (BHM) (3 Years)

B.A (Hons.) in English with specialization in Mass Communication (3 years)

M.A in English (2 years)

B.Sc (Hons.) in Applied Psychology (3 years)

M.Sc in Applied Psychology (2 years)
B.TECH / M.TECH IN ROBOTICS ENGINEERING

Robotics is an interdisciplinary branch of engineering and science that includes mechanical engineering, electronic engineering, information engineering, computer science, and others. Robotics deals with the design, construction, operation, and use of robots, as well as computer systems for their control, sensory feedback, and information processing.

The robotics engineering sector is growing at a rapid pace, and promises to be one of the next biggest fields due to the rapid growth in the manufacturing sector. These engineers are engaged for design, construction, operation and application of robots that assemble the components to make the final product; thereby increasing productivity. Robotics engineers make work more efficient, faster, hazard free, and inexpensive.

The advanced curriculum structure of Robotics Engineering at The Neotia University, and the MoU signed with Phi Robotics Research Pvt. Ltd, expose the students to experiential learning that help them venture into myriad career pathways.

Industry Partnership

TNU has partnered with Phi Robotics Research Pvt. Ltd., a company based in Thane, Maharashtra, to help develop and deliver the course curriculum and laboratory facilities. Phi Robotics Research Pvt. Ltd. at its discretion will hire the students of TNU who meet the company’s recruiting criteria.

Phi Robotics work to develop the most efficient, innovative and cost effective products for the robotics needs of the world, ensuring customer satisfaction and safety.

Phi Robotics Research Pvt. Ltd. has already offered conditional employment to the first batch of students in TNU’s Robotics Engineering Programme.
Robotics Highlights

Award and Recognition
- 4 projects selected in qualifying round: INTEL Higher education Challenge, 2017 and received instruments ($400) from INTEL for developing prototypes
- 1 project was selected in Semifinal round in India Innovation Challenge Design Contest (IICDC-2017), organized by DST, Govt. Of India, TI and IIM, Bangalore. Selected under top 1106 project ideas from 965 engineering colleges across the nation and participation from 15,380 students
- Received instruments ($800) from Texas Instruments (TI) for developing prototypes

Well-Equipped Lab Facility
- 6 Axis pick and place Robot
- SCARA Plotter
- Mobile robots
- IOT

Internship
- Mini projects in each Semester from 2nd year
- Training in 3rd year (KUKA, Siemens)
- Internship in 4th year (WABCO)
- University provided internship to the 4th year students at WABCO

Industry Project
- Received project- Development of “Yantra-I” from MieRobot

Gamified the Education
- Hands-on work facility at lab during free time
- Gamified the learning through in house contest like: Sankalp, Parikalpana, etc

Organize Seminar/Workshop
- National and International seminars and workshops are conducted at least once in every quarter

Futuristic Innovation and Incubation Center
- All students’ projects are international level innovative projects
- Developed MARIA-a service cum security robot
- Development of a Drone proposed for next Semester

Research Facility
Advanced Artificial Intelligence and Machine Learning lab
- We have already implemented AI automation system in our Robotics lab
- We have research grade RTOS instruments for research
- We also have advance IOT instruments and a 3D printer for research work
- B.Tech students published international research paper

Participation in National Level Competition
- NSSC by IIT, KGP
- IICDC by DST, Govt. of India
- IIC by Intel

Career Prospects

The opportunities are enormous in the field of Robotics Engineering. It is a field of creativity and innovation for people with a background in mechanical, electrical, or software engineering. As robots are used in different fields such as military, nuclear power plants, agricultural, manufacturing, health-care, and many more industries.

A professional with relevant degree in robotic engineering can choose to work in these industries as automation system engineers, programming engineers, robot designers, project managers or test engineers. One can also opt for higher studies and research work in this domain.

Some of the top recruiters in India are, ISRO, BHEL, DRDO, IIT’s, BARC, Precision Automation & Robotics India Ltd.
B.TECH / M.TECH IN ELECTRICAL ENGINEERING WITH SPECIALIZATION IN RENEWABLE ENERGY/POWER SYSTEM

Electrical Engineering is a field of engineering that involves the study and application of electricity, electronics, and electro-magnetism. The course covers the entire aspect of electrical energy generation, storage and transmission, circuit analysis, electromagnetic machines and drive system, power system, control system, power electronics, utilization etc. Students will learn about the basic fundamentals to advanced technical concepts, tools and equipments like simple voltmeter to a top end analyser, to manufacturing software with real-world applications.

Renewable Engineering (solar and wind energy) and Power System has evolved over the years and it includes courses related to power, control, instrumentation, electrical machines, etc. along with courses on various aspects of electrical energy generation, storage and transmission.

The programme incorporates considerable components of science and many branches of engineering. The course at TNU adds unique dimension as it gives sufficient stress on various aspects of energy engineering such as energy efficiency, energy services, facility management, plant engineering and non-conventional energy technologies. Thus this course of engineering has all components of conventional electrical engineering programme along with the components which today's energy sector requires.
Industry Partnership

TNU has partnered with Adani Power Ltd., Ahmedabad, Gujarat to help develop and deliver the course curriculum and laboratory facilities. Adani Power Ltd. at its discretion will hire the students of TNU who meet the company’s recruiting criteria.

Adani Power Limited is one of the largest mining group in the world. By 2020, the group will add 17 more ships to its current fleet; generate 20,000 MW of power; increase annual cargo handling capacity to 200 MMT, extractive capacity is scheduled to increase to 200 MMT per annum, making great opportunities for the students to increase their employability.

Career Prospects

Modern syllabus has been developed, along with industry experts. Students getting B.Tech / M.Tech in Electrical Engineering with specialization in Renewable Energy / Power System degree will have the benefit of immense job potential in upcoming power generation, transmission, and distribution companies. Graduates of the programme can choose to work as commissioning engineers, distribution engineers, maintenance engineers, substation managers, quality assurance/quality control managers, wind farm designers, solar energy systems engineers, project managers, supervisors and innumerable other speciality engineers in the power industry. Students will also have opportunities to work in hydel or thermal power plants and in atomic power plants undertaking job roles like designing and developing efficient electrical machines, equipment control for electricity generation, construction and installation, testing and support documentation, electrical energy transmission and distribution. The course design is such that students are equally ready for higher studies and research work in this domain.

Some of the top recruiters are Wipro Lighting Corporate, Siemens, Bajaj Electricals Ltd., Alstom, BHEL, ABB, Havells, Exide, TATA Power, CESC, Finolex, National Wind and Power Corporation, Bileram Solar, etc.

Dr. Biswajit Ghosh
Vice Chancellor

Dr. Biswajit Ghosh has numerous accomplishments with School of Energy Studies, the first interdisciplinary academic unit, at Jadavpur University since its inception till 2018. His original scientific and outstanding technological works placed the School at the global academic forum. He worked as the postdoctoral researcher at Stuttgart University, Germany, Fellow of European Commission and Visiting Reader at Northumbira University at Newcastle, Academic Visitor at Imperial College, London, Royal Society Overseas Scientist at University of Surrey, Guildford and Visiting Professor as well as Leverhulme Visiting Professor at Newcastle University, Newcastle, UK. He also worked with United Nation Industrial Organization (UNIDO) as advisor in Energy & Climate Change. Government of West Bengal honored him with ‘Sikharatna’, the ‘Outstanding Teacher’ and National Institute of Technology, Agartala, honored him with D.Sc. for his outstanding contributions in Science, Engineering and Education.
B.TECH / M.TECH IN MECHANICAL ENGINEERING
WITH SPECIALIZATION IN MECHATRONICS / AUTOMOBILE MANUFACTURING

Mechanical Engineering is one of the oldest engineering branches that fulfill the demand of individual component, machinery and different systems and sub-systems. Mechatronics, a specialized field of mechanical engineering is a composite of mechanical engineering, electronics, computer engineering, telecommunications, systems engineering and control engineering. It focuses on different facets of mechatronics like modelling, real-time computer interfacing, sensors, controllers and actuators.

Mechanical Engineering also plays an important role in automobile industries, they are responsible for the designing of components, machines, systems and processes particularly in the area of manufacturing and various other applications. They are also responsible for the evaluation of the designs based on various principle for ensuring safety, reliability and efficiency.

TNU’s B.Tech in Mechanical Engineering students can opt for specializations like Mechatronics or Automobile Manufacturing. Students will be provided with advanced knowledge and skills in academic course-work covering theory, fundamentals, and hands-on experience with real-world applications to learn innovative design and system creations, apart from several research opportunities.
Career Prospects

Mechanical Engineering Graduates with specialization in Mechatronics solve technical problems and maintain automated mechanical equipment. This may entail inspecting, troubleshooting and repairing electrical and electronic components. They work beside engineers and scientists, often assisting in the research and development of production. Engineers are needed in a variety of Industries, including Manufacturing, Construction, Agriculture and Aerospace.

Mechanical Engineering Graduates with specialization in Automobile Manufacturing can work on various facets such as designing, development and manufacturing of vehicles, creating blueprint of vehicles and its components, maintenance and service in automobile workshops, aircraft industries, aviation, marine vessels, diesel power stations, automation and robotics system, and computer integrated manufacturing systems in Private National and Multinational Automobile companies, Service Stations, Private Transport companies, Defence Services, etc.

Both of these graduates will also have ample opportunities to work as Engineers or Consultants in reputed public and private sector firms like National Thermal Power Corporation Limited (NTPC), Bharat Heavy Electricals Limited (BHEL), Indian Space Research Organization (ISRO), Larsen and Toubro Limited, Kirloskar, Godrej & Boyce, Bajaj, Maruti Suzuki, Mahindra Group, Reliance Group, Thermax Limited, Bharat Petroleum Corporation Limited, Oils India Limited, DRDO, IOCL etc.

Plumber Block: It is also known as Pillow Block or bearing house to provide support for a rotating shaft thus reduces transverse vibration of the rotating shaft.
 Courses Offered

B.Tech in Computer Science & Engineering with specialization in Cyber Security / Data Analytics

M.Tech in Computer Science & Engineering with specialization in Cyber Security / Data Analytics

 Duration

4 years for B.Tech
2 years for M.Tech

 Eligibility Criteria

B.Tech
12th standard pass with Physics, Maths, Chemistry / Computer Science with at least 60% marks.

M.Tech
B.Tech with first class / equivalent in related field with GATE qualification

B.TECH & M.TECH IN COMPUTER SCIENCE & ENGINEERING WITH SPECIALIZATION IN CYBER SECURITY/ DATA ANALYTICS

Computer Science & Engineering seems to have become the most popular course in this century for engineering aspirants. With rapid rise in cyber-terrorism, misuse of social media and internet usage, our technology security experts think that India is yet not well equipped to handle these threats. Cyber Security market to touch $32 billion by 2025. Expansion will require 1 million (10 lakh) Cyber Security professionals. Bengal hopes to train one lakh Cyber Security experts from the state. - The Telegraph, Saturday, March 17, 2018.
Data analytics refers to qualitative, quantitative and statistical techniques & process used to describe and illustrate, condense and recap, and probe large and varied data which is extricated and classified to pinpoint and figure out behavioural uncover hidden patterns, market trends, customer preferences, unknown correlations and other useful information to intensify productivity & can be used to assist organizations for taking more-acquainted business decisions and also help scientists and researchers to verify or disprove scientific models, theories and hypotheses.

M.Tech in Computer Science & Engineering with choice based specialization in Cyber Security / Data Analytics is a specialized program aimed at providing the student with in-depth knowledge of two key domains in Computer Science & Engineering. Cyber Security and Data Analytics has acquired widespread acceptance and adoption among enterprise business applications and research community.

Cyber world is facing new challenges every day from hackers and malicious programmers across the globe. Cyber Security is a broad aspect and has got its application in all forms of data related operations.

Data analysis is actively used for information processing and management by industry practitioners and scientific community who are interested in creating a commercial product for conceptual data analysis or developing content management applications.

**Career Prospects**

Cyber world is facing new challenges every day from hackers and malicious programmers across the globe. Banking, E-commerce, Confidential Industrial Data, Forensic Industries and Defence related data and Employee data of big and small enterprises needs security implementations in place. This specialization remained in demand by government and non-government organizations for long time.

Some of the top companies are Mu Sigma, Fractal Analytics, Crayon Data, Latent View, Absolutdata, Global Analytics, IBM, Convergytics.

Data Analytics is creating new jobs and changing existing ones. Data Analytics discipline has got wide acceptance in forecasting, planning and e-commerce enterprises. Data analytics has played a big role in big establishments dealing with huge amounts of information such as hospitals, banks and insurances, prediction of customer behaviour, detect trends, cross-selling, customer relationship management analytics, demand prediction and failure prediction.

All the specializations offered through this program have got wide acceptance in industries and enterprises and prepares student for best of practices in respective specialization.

Some of the top companies are Aspirant Infotech Private Limited, CAT CyberLabs, CYBER COPS India, Cyber Octet Pvt. Ltd., Cyberoam Technologies, Delta, Delta Protective Services, etc.
B.TECH IN MARINE ENGINEERING

The B.Tech in Marine Engineering course is the study of the complex principles and practices involved in the running and maintenance of marine machinery which include main propulsion engines, auxiliary engines for electrical power generation, boilers, refrigeration and air-conditioning equipment, varieties of pumps and associated electrical and mechanical auxiliaries, required for the manual and automated operation of various types and sizes of inland, coastal and sea-going vessels, some of which are highly specialized and state-of-the-art. The course follows the syllabus in excess of that as prescribed by the Directorate General of Shipping covering the areas pertaining to ship construction, naval architecture, machine drawing and design of marine machineries. The essence of MRE is that it requires the application of fundamental concepts of Mechanical, Electrical, Electronics, Chemical, Metallurgical, Instrumentation & Automation engineering under arduous conditions prevailing at sea.

Career Prospects

Marine Engineering graduates find challenging job opportunities in national and international shipping companies. The young professionals, who begin their careers as Engine Cadets or Junior Engineers on board ships, rise up the ladder to the coveted level of Chief Engineer, after clearing the competency-examinations conducted by the Directorate General of Shipping in accordance with the Convention on Standards of Training for Certification and Watch keeping (i.e. STCW) of the International Maritime Organization, i.e. the specialized maritime agency of the United Nations.
B.Sc in Nautical Science (Leads to be the Captain of a Ship)

A sailor's ability to navigate a ship on the oceans for making from port to port and along the coastlines of the world is based on his/her knowledge of Nautical Science. It is the precise study of the principles and practices of operating various types and sizes of vessels, some of which are highly specialized and state-of-the-art in Inland waters, Coastal areas and on the high seas, and includes topics such as navigation, ship stability and ship handling, cargo-work, propulsion, and meteorology, to name a few.

TNU is also one of the few colleges in Eastern India that can boast of an in-house, high-tech Ship-in-Campus with advanced bridge simulation facilities. This novel infrastructure facility, built in compliance with international standards house original ship equipment in order to give budding Marine Engineers and Nautical Science cadets a hands-on experience of what a naval career entails.

Career Prospects

The Bachelor in Nautical Science degree enables the graduate cadet to become Navigating Officers on board merchant ships plying worldwide. Joining as a Deck Cadet after obtaining his/her degree after graduation to complete the training process, the career graph then take the cadets through various shipboard experiences and training courses, for finally rising to the coveted level of Captain (Master) of a merchant ship, based on their qualifying the relevant examinations conducted by the Directorate General of Shipping, in accordance with the Convention on Standards of Training for Certification and Watch keeping (i.e., STCW) of the International Maritime Organization, i.e. the specialized maritime agency of the United Nations.

Our ex-cadets have been placed on board ships owned and managed by various shipping companies like, Elegant Marine Services, Wallem Ship Management, Mitsui O.S.K. Lines, MSC Ship Management, United Ocean Ship Management, Gulf Energy Maritime Services (GEM), Wilhelmsen Ship Management, MMS Maritime (MMSI), Apeejay Shipping, Univan Ship Management, Searland Management Service, Herald Maritime Service, etc.

As per BIMCO/ICS Forecast, currently there is a shortfall of 16,500 officers and additional need of 1,47,500 by 2025.

Industry Partner for Internship & Placement

Because of Training & Placement collaborations with these above companies the University has the capability to place each & every student for internship & job on completion of their courses.
B.SC IN HOSPITALITY ADMINISTRATION (WITH SWISS DIPLOMA)

Eligibility Criteria
12th standard pass with at least 50% marks in any stream

Industry Partnership
Hotel and Tourism Management Institute

Hotel and Tourism Management Institute (HTMi), Switzerland, is a leading hotel management institute in the world, preparing students for a management career in the global hospitality industry.

HTMi is the academic partner of TNU & jointly runs the undergraduate course. As a leader in the field of hospitality studies, HTMi provide TNU not only the design content of the course & teaching expertise, but monitor the process with stringent audit & evaluation of performance also.

Each student of BHA (with Swiss Diploma) will be awarded with a qualifying certificate at the end of each year by HTMi. Armed with the degree from TNU & Diploma from HTMi, the doors to international placement would be readily open for an SHCA student.

B.SC IN HOSPITALITY ADMINISTRATION

The Neotia University (TNU) is a renowned pedestal for education in eastern India. The Ambuja Neotia group being already a hospitality major with its hotels, resorts and restaurants, it is but natural that the expertise gained over the years is well utilized in hospitality education and training.

The School of Hospitality and Culinary Art (SHCA) is located inside the sprawling TNU campus. SHCA offers courses in B.Sc in Hospitality Administration with/without Swiss Diploma and B.Sc in Culinary Arts. In keeping with the established high standards of the group, the facilities at SHCA can be compared to the best in the world. The food production laboratory, the training restaurants, the classrooms, and the central library – all are commissioned with state-of-the-art equipment and provide maximum comfort to both learner and trainer.

The team of faculty can be rated as one of the best in the country with each one having quality experience in both industry and teaching.

Another useful advantage a student may gain is the on-campus residential facility. Twin sharing accommodation with four nutritious meals in a day, coupled with the serene university environment, provides a student with a unique experience of comprehensive learning.

Career Prospects

The Ambuja Neotia group already operates hotels, resorts and restaurants in and around Kolkata. It is also in partnership with Swissotel & Taj Group for managing and operating its 5-star properties.

Hotels, motels, restaurants, clubs, bars, resorts, airlines, cruise lines – everywhere the management is looking for committed young people to take the industry forward. Hence, a rewarding career lies ahead for one choosing the field of Hospitality.

Apart from the burgeoning domestic market, the students of SHCA will have the great advantage of their international qualification to build a career in any of more than 70 nations in different parts of the world.
B.SC IN CULINARY ARTS

Culinary Arts prepares students to excel within the kitchen as culinary professionals. Specially crafted culinary course deals with many specialized subjects of kitchen - edible sculptures, garde manger, micro cuisine, wine pairing, budgeting, and more. TNU’s degree aims at providing fundamental education in kitchen operation, food and beverage operation, management, production and service; food science, sanitation, etc. Graduates also gain strong knowledge of business and its application within the hospitality industry. TNU’s students will be trained in well-equipped laboratories such as food production, cold kitchen, food, beverage and confectionary service supervised by experienced faculty members and trained technicians to help students in learning by doing. The management skills that are taught can be applied in various positions in hotels, resorts, clubs, bars, restaurants and cafeterias, even those outside of the culinary arts.

Career Prospects

In the beginning, one may work at any of the above mentioned setup as a trainee chef-de-party. With time, one may rise through ranks, like-Chef, Sous-Chef (second in command of kitchen) and finally become an Executive Chef. Other than the above mentioned regular recruiters, some MNCs, Cruise lines, Airlines and Catering firms are also known to recruit qualified chefs. After pursuing relevant management programs, such as MBA in Hotel Management, one may take on management related jobs in hotel management and catering sectors or establish one’s own venture.

Dr. Angshuman Chatterjee (PhD)
Mentor, School of Hospitality & Culinary Arts

Dr. Angshuman Chatterjee has been the doyen of hospitality education in the country. As an academician, he served colleges of Govt. of India, and private institutions as Principal/Director. Dr. Chatterjee has also headed the HR department of a global multinational company spread across 11 countries. He is a life member of the prestigious Indian Society for Training & Development and one among a select group of train the trainers with the Department of Personnel & Training, Govt. of India, conducting modules of courses for people across professions including IAS officers. A number of General Manager and Chefs of five star deluxe hotels have been his students.

Mr. Rupam Ghosh
Head, School of Hospitality & Culinary Arts

Mr. Rupam Ghosh possess 25 years of professional experience in handling various facets of Administration, Academics and Training & Development. He has served as the Vice Principal of SRM IHM, Chennai; Principal of Golden Regency Institute of Hospitality Management, Haldia, WB; Manager of Learning & Development of Mahindra Holidays and Resort India Ltd; Manager(operations) Hotel Kailash, Aurangabad; Assistant Manager (Banquets) Ohri’s, Hyderabad to name a few. Mr. Ghosh has completed his training at Regency Hotel School in Adelaide, South Australia, in modern techniques of dealing with the future managers.

Chef. Chayan Banerjea
School of Hospitality & Culinary Arts

Chef. Chayan Banerjea has been in operations at various senior levels including Regional Chef for RKHS, GM Operations for Magna food court and VP Operations for Six Pack Cuisine Pvt Limited. Chef Banerjea has specialized experience in planning and designing food and beverage operations. He has the credit of setting up more than a dozen Food and Beverage establishments in Hyderabad, Nagpur and Perth, Australia, he has taught culinary art for more than twelve years at prestigious institutes in Mumbai and Hyderabad.
B. SC(HONS.) IN BIOTECHNOLOGY

TNU’s B.Sc in Biotechnology courses is designed to provide students with a strong fundamental idea and advanced study of cell and tissue culture, genetics, bio-medical and non-medical products, pharmaceuticals, bioprocesses, new technologies and engineering. The designed curriculum, laboratory facilities, research based teaching, projects, and opportunities to get trained in leading biotechnological firms will make students in this programme competent for both industrial sector and academia.

Why Biotechnology is becoming so Important?

As the global population grows, scientists look to biotechnologists for solutions to various problems like adequate food, infant mortality and sustainable agriculture. Biotechnologists tap into the resources available now to improve the quality of life.

Be a biotechnologist & make an impact to everybody's life!

- **Healthcare biotech** is benefiting more than 350 million patients around the world through the use of biotech medicine to treat and prevent every day and chronic illnesses.
- It is estimated that by 2020, 50% of all medicines will come from biotech!
- **Energy biotech** in the form of biofuel is helping to fight global warming as an alternative and safer form of global energy. It has led to significant reductions in greenhouse gas emissions with the aim to reduce a 2.5 billion tons of CO2 equivalent per year by 2030.
- **Agricultural biotech** offers new, improved and adapted agricultural crops to reduce poverty and can increase food security for a growing global population.
- **Environmental biotech** is to solve environmental problems like depletion of forests and water resources, resultant biodiversity loss; climate change-related crop pattern as well as disease pattern changes; waste/effluent management issues in a sustainable way.
- **Marine Biotech** is involved towards development of useful products and process from the marine resources, for aquaculture production and productivity increase.
- **Bioinformatics** deals with bio-IT services, which covers computational biology, computational chemistry, genetic sequencing etc.
- It is all about application of computer technology to gather, store, analyze and integrate biological and genetic information.

Industry Partnership

TNU has collaborated with Life Sciences Sector Skill Development Council (LSSSDC), New Delhi.

TNU has Membership with Association of Biotechnology Led Enterprises (ABLE).
M.SC IN
BIOTECHNOLOGY

TNU’s M.Sc in Biotechnology is the field that involves the use of living organisms and bioprocesses in engineering, technology, medicine and other fields requiring bio products. This programme will include curriculum designed by academic experts and shall facilitate research and hands-on experiential training in well-equipped laboratories to provide students with real-life work experience. The aim of such basic research is to increase scientific knowledge.

Career Prospects

Biotechnology is a product-based industry and not a service industry. Biotechnologist will be working with DNA, tissues, bacteria, virus, and complex proteins. Depending specialization and/or expertise, someone will be working as a medical biotechnologist, pharmaceutical biotechnologist, agricultural biotechnologist, food biotechnologist, environmental biotechnologist or industrial biotechnologist etc.

The Global biotechnology market size was valued at over $330.3 billion in 2015, and is expected more than double to $775.2 billion by 2024, at a compound annual growth rate of 9.9 percent.

The biotechnology segment is the fastest growing segment in India. It is valued about $11 billion currently and it will touch the $ 100 billion mark by 2025 as per the forecast of the Association of Biotechnology Led Enterprises (ABLE). Furthermore, the biotech industry is expected to grow at 30% growth rate every year (according to Make in India website).

Top Ten Indian Biotech Giants :

- Biocon, Bangalore
- Serum Institute of India, Pune
- Panacea Biotec Limited, Hyderabad
- Dr. Reddy’s Laboratories Limited, Hyderabad
- Wockhardt, Mumbai
- GlaxoSmithKline Pharmaceuticals Limited
- Bharat Serums and Vaccines Limited, Mumbai
- Novozymes, Mumbai
- Indian Immunologicals Limited, Hyderabad
- Shantha Biotechnics Limited, Hyderabad


MSc degree is a qualification for doing PhD with a handsome research fellowship.

Biotechnology Highlights

- Biotech department has skilled students for the last 16 years. No other private Universities in West Bengal perhaps has such a legacy for Biotechnology
- Have all the basic instrumentation support and reagents required for this lab based subject, comparable to any University in West Bengal
- Enormous scope for doing in house projects based on innovative ideas under expert guidance
- Job oriented curriculum and internship opportunities at reputed biotech companies
- Energetic, experienced, research oriented, student friendly, quality faculty pool, led by person with experience to work in the US federal Govt labs.
- Ongoing research project under able supervision and sponsored by Department of Science & Technology (DST), Govt of India
- Enormous scope for pursuing Ph.D after entering in the undergraduate/post graduate level

Students’ Summer Internship Programs

- Central Research Institute (CRI), Kasauli, Himachal Pradesh
- Emami limited, Guwahati, Assam
- Center for Microbiology and Biotechnology (CMBT) research & training Institute, Bhopal, Madhya Pradesh
- Indo-American Hybrid Seeds (India) Pvt. Ltd. Bengaluru, Karnataka
- Albert David limited, Kolkata, West Bengal
B.Sc(HONS.) in Agriculture

Agriculture plays a vital role in India’s economy. 54.6% of the population is engaged in agriculture and allied activities (census 2011) and it contributes 17% to the country’s Gross Value Added (Current price 2014-15, 2011-12 series). India ranks second worldwide, in farm output. India is the largest producer of milk, jute and pulses, and has the world’s second-largest cattle population with 170 million animals in 2011. It is the second-largest producer of rice, wheat, sugarcane, cotton and groundnuts as well as the second-largest fruit and vegetable producer, accounting for 10.9% and 8.6% of the world fruit and vegetable production, respectively according to Annual Report 2016-17, Govt. of India.

4-year B.Sc. in Agriculture programme consists of topics such as agricultural science, use of modern scientific equipment and techniques in agriculture, land surveying, soil science, water resource management, animal and poultry management, basics of biotechnology etc.

Career Prospects

Graduates and post-graduates in agriculture have ample opportunities in teaching, research and transfer of technology areas in ICAR, State Agricultural Universities, State Departments of Agriculture, Animal Husbandry and NGOs. The Union Public Service Commission (UPSC) conducts an annual competitive examination for recruitment in the Indian Forest Services, for which one of the educational qualifications required is Bachelor’s degree in Agriculture. Successful candidates can apply in any government job that specifies graduation as the required qualification like civil services, defense services, banks etc. Moreover, there are large number of local, national and international private business organizations, manufacturers and NGOs where agriculture professionals can find employment. Therefore, B.Sc in Agriculture offers a wide scope particularly in India where half the workforce is living on agriculture.

Some of the top companies are, Rallis India Ltd (TATA), Nuziveedu Seeds Ltd. Monsanto, National Agro Industries, Godrej Agrovet LTD, Ravi Hybrid Seeds Pvt Ltd.

“More than 54% of India’s population depends on Agriculture”
BACHELOR OF FISHERIES SCIENCE

India holds seventh position in the export of fish in the world and is the fourth largest producer of fish in the world. The living of over 500 million people in developing countries depends on fisheries and aquaculture (as in sarvgyan.com). TNU’s Bachelor of Fisheries Science course involves advanced knowledge and skill in catching, processing, marketing and conservation of fish, molluscs (including oyster’s abalone, mussels and scallops) and crustaceans (shrimps, prawns, freshwater and marine crayfish) and aquatic plants such as sea weeds. This programme will include curriculum designed by academic experts, research and hands-on experiential training to provide students with real-life work experience.

Career Prospects

After completing the course, graduates will have ample job opportunities in Government and Private sectors like Marine Product Export Development Authority (MPEDA), Fisheries Survey of India (FSI), NIO, WHO or in Institutions, Banks, Fishing/Oceans and in Foreign Countries. Students can also apply for Research Projects or pursue higher studies in Master of Fisheries Science (M.F.Sc). Aspirants can go for entrepreneurship in their own fisheries-aquaculture business.


Dr. R.K Samanta
Advisor, Agriculture

Dr. R.K. Samanta has served as the Vice-Chancellor of Bidhan Chandra Krishi Viswavidyalaya, WB; Joint Director and Acting Director of National Academy of Agricultural Research Management (NAARM), Hyderabad. Director in National Institute of Agricultural Extension Management, Hyderabad; Zonal Coordinator, transfer of Technology projects of ICAR, Bangalore. Dr. Samanta has also served before in various capacities in the department of Agriculture, Government of WB; ICAR Research Complex for NEH Region, Shillong. Dr. Samanta has been Consultant on Agricultural Extension in Himachal Pradesh sponsored by Government of India and on Extension Strategy Building in Bangladesh sponsored by International Atomic Energy Agency (IAEA), Austria.

Dr. Aftabuz Zaman
Professor, Agriculture

Prof. (Dr) Aftabuz Zaman specializes in Agricultural Water Management for enhancing crop and water productivity as an Agronomist. He has significant research experiences in field of water management and in academia and well as having considerable administrative experiences in different capacity at various time frame. Dr. Zaman worked as Head, Irrigation Expatriate Team, Government of Uganda for 2-year period (1994-1996) under ITEC Programme being deputed by the Government of India to design, layout and installation of farmers managed small scale irrigation for sustainable crop cultivation. He was also designated as IFFCO-Chair Professor.

“India exported 11.5 Lakh tonnes of seafood worth $5.78 billion in 2016-17”
BBA WITH SPECIALIZATION IN RETAIL MANAGEMENT

Bachelor of Business Administration (BBA) is a popular course among students aspiring to venture into the world of management. BBA degree aims at providing fundamental education in business management principles, human capital management, finance, laws and policies concerning business management, decision making, financial statement analysis, wealth management etc. that is necessary for effective business management, and entrepreneurship. This course is of prime importance for students from both commerce/non-commerce backgrounds as it brings them on terms with the basics in Business Administration and MBA degree. BBA programs offer practical management training that can prepare students to successfully work within large or small organizations.

Career Prospects

Graduates can choose their careers in any of these fields – pursue MBA, apply to be a Chartered Accountant, appear for Civil Services Examinations, Defence Services, Law Courses, Banking Sector, Finance Sector, Industrial Firms, or become an Entrepreneur. They can work in various sectors as Executives or Managers handling the smooth functioning of different operations such as retail, finance, revenue and shares, information technology, advertising, E-tailing, etc.

Some of the top companies to work for are,

Amazon | Flipkart | Reliance | Aditya Birla Fashion and Retail Ltd
Tata Group | Raymond Group, Future Retail Ltd | Big Bazaar,
Spencer’s Retail, Star Bazaar | Godrej India Ltd | Shoppers Stop, Westside, Pantaloons | Regal, Metro, Bata

These companies use different strategies to market their products and come up with creative methods to sell their

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Courses Offered

* BBA with specialization in Retail Management
  * Integrated BBA with LLB (Hons.)
  * Integrated BA with LLB (Hons.)

**Duration**

3 years for BBA
5 years for BBA / B.A with LLB (Hons.)

**Eligibility Criteria**

12th Standard pass with any subject at least 50% marks

Job opportunity in this below mention companies and many more
INTEGRATED
BBA LLB (HONS.)

INTEGRATED
B.A LLB (HONS.)

Integrated BBA/ B.A with L.L.B. is an undergraduate Law course of 5-years duration. Students here will gain valuable insight and specialize in in-depth knowledge of law and legislature along with commerce, humanities and business administration that is essential in the field of management. This integrated course is a complete program to systematically groom a student into a graduate who is ready for the industry with practical knowledge of managerial and judiciary skills or will appear for the national level entrance examination such as CLAT, LSAT, AILET and SET for a rewarding career.

Career Prospects

Students after successfully completing their 5-year integrated BBA/ B.A with LLB programme will receive a lot of career opportunities in PSUs, International and Domestic law firms, corporate legal departments, litigation firms, legal process outsourcing, IP firms, banks, excise department and more. Graduates can join the judicial service of the state as a magistrate after passing judicial service exam and work as a judicial magistrate, sub-magistrate, civil judge, advocate, notary, etc. in legal or judicial system of India. Students can also work in business houses as finance manager & legal advisor, law officer, business consultant, law reporter, management accountant, company secretary and human resource manager. Some of the top companies who recruit are SEBI, ONGC, IOCL, SAIL, FEMA, Khaitan & co., Pangea3, ITC, E&Y, PWC, ICICI Bank, etc.
BACHELOR IN HOSPITAL MANAGEMENT

B.Sc. in Hospital Management involves leadership, management and administration of hospitals, hospital networks and healthcare systems. The Ambuja Neotia group with an intent to reach out to the largest number of people operates The Bhagirathi Neotia Woman & Child Care Centre, several branches of the infertility treatment unit Genome-The Fertility Centre spread across West Bengal and neighbouring states, the multispecialty hospital, Neotia Getwel Healthcare Centre in Siliguri and outlets of Neotia Medipus, diagnostic centres in Kolkata. TNU’s advanced curriculum will provide students with an extensive knowledge and skill to carry out the administrative operations of clinical and support service departments, by developing managerial, teamwork, leadership, analytical, critical thinking, problem-solving, research-evaluating and IT skills.

Career Prospects

Hospitals employs a graduate of BHM in the areas of administration, facility-floor management, sales and marketing, centre management, associate professor, teacher or instructor, with an average salary of ₹ 5 lac per year. Healthcare portals, International and national health care organizations, hospital consulting firms, pharmaceuticals and hospital supply firms, mental health facilities, health insurance companies, medical software companies, rehabilitation centres also have ample opportunities for hospital management graduates.

Some of the top Hospitals to work for are:

• Columbia Asia Hospital
• Apollo Gleneagles Hospital
• Calcutta Medical Research Institute
• Fortis Healthcare and Kidney Institute
• Ruby General Hospital
• B. P. Poddar Hospital and Medical Research Ltd.
• Woodlands Multi-specialty Hospital Ltd.
• Belle Vue Clinic
• AMRI Hospital
• Peerless hospital
• Tata Memorial Hospital
• AIIMS
• Lilavati Hospital
• NIMHANS
• The Bhagirathi Neotia Woman & Child Care Centre

Aspirants can also opt for entrepreneurial ventures in their own hospital firm.
BACHELOR OF PHARMACY (B.PHARM)*

B.Pharm is an undergraduate degree course in the field of Pharmacy education. In this course the students study about the drugs and medicines, pharmaceutics, etc. Students will graduate with improved skills and gain a competitive edge in the job market, making them highly desirable to employers.

Career Prospects

Graduates after the completion of their degree can pursue higher studies in Pharmacy, i.e. Master of Pharmacy (M.Pharm) or practice as a Pharmacist. Pharmacists can work in a range of industries as chemical/drug technician, bio-technology industries, drug therapist, drug inspector, hospital drug coordinator, health inspector, pharmacist, pathological lab, research & development, etc. This degree provides ample job opportunities in both public and private sector Hospitals, Clinics, State-wise Drugs and Pharmaceutical Boards, Cipla, Abbott India, Sun Pharmaceuticals, Biocon, GlaxoSmithKline India, or open an individual pharmacy.
BACHELOR IN PHYSIOTHERAPY (BPT)

Physiotherapists assist doctors in rehabilitating patients from a state of instability due to genetic defect, accident or illness. Physiotherapists have proper knowledge of human anatomy, physiology, pathology, pharmacology, psychology, medical and surgical conditions, biomechanics, disability prevention and rehabilitation.

Career Prospects

Progress in medical science has made B.Sc. in Physiotherapy a highly prospective course. All Hospitals and Wellness Institutions employ physiotherapists to restore physical function of patients. Graduates after completion of their degree can work as a physiotherapist, osteopath, lecturer, researcher and consultant. Graduates can also opt for private practice after obtaining the necessary affiliation with respective medical council or pursue higher studies like Master of Physiotherapy (MPT) in the respective field.

Students will have immense scope in Generic Physiotherapy, Sports Physiotherapy, Occupational Physiotherapy, Oncology Physiotherapy, Robotics in Physiotherapy, Cardio Pulmonary Physiotherapy, etc.
B.S.C. IN OPTOMETRY (BOPT)

What is Optometry?
The World Council of Optometry (WCO), World Health Organization (WHO) and about 75 optometry organizations from over 40 countries all over the world adopted the following definition, to be used to describe optometry and optometrist:

Optometry is a healthcare profession that is autonomous, educated and regulated (licensed / registered), and optometrists are the primary healthcare practitioners of the eye and visual system who provide comprehensive eye and vision care, which includes refraction and dispensing, detection / diagnosis and management of disease in the eye, and the rehabilitation of conditions of the visual system.

Career Prospects

CAREER CHOICES: After B. OPTOM
- Working as an Independent Practitioner in your own clinic with an optical dispensing section.
- Working as an Optometrist in a Group Practice (with Ophthalmologists/Optometrists)
- Working as an Optometrist in Optical Chains like GKB, Titan Eye+, Himalaya Optical, Lawrence & Mayo, Vision Express, Specs-Makers etc
- Working with NGOs engaged in Healthcare/Blindness Prevention
- Working in a Eye Hospital or Eye Department of a Multi-Speciality Hospital
  - As a Primary care Optometrist | As a Specialty care Optometrist | As an Advanced Diagnostic Procedure Expert
- Working as Professional Executives in Optical Industry
- Working as a R&D professional in Optical Lens Industry
- Working as a Research Scientist in Vision Sciences
- Working as an Educator in Schools/Colleges of Optometry

FURTHER EDUCATION
- Higher studies leading to M.S. (Optometry) & PhD
- Various PG Diplomas/ Fellowships in Speciality Optometric areas

OPPORTUNITIES ABROAD
- Working as an Optometrist in Retail Optical Chains mainly in the Middle East and Africa
- Pursuing Higher Studies and Research in Universities across the Globe
- Short term/Long term Advanced Studies in Europe, America and Australia.
- Working with various NGOs involved in Prevention of Blindness Worldwide.
- Working as an Optometry Educator
  
  Counselling will be offered by experts in the field of Optometry during the Internship Period
B.A(HONS.) IN ENGLISH WITH SPECIALIZATION IN MASS COMMUNICATION

M.A IN ENGLISH

PH.D. IN ENGLISH

TNUs B.A. (Hons.) in English with specialization in Mass Communication Programme is designed to provide students with a strong background of the language domain and develop skills in which these would be widely applicable to various relevant fields. Through a rigorous and combined curriculum of literature, language and linguistics, graduates will be proficient in literary analysis and in areas ranging from Media Ethics, Media Policy, Advertisement, Public Relation, Print Media, Online Media, Electronic Media and Production Skills. This programme also facilitates skills like Editing, Translation, Film Appreciation, and Journalism; all of which are highly prized by employers in almost every profession. Students will be committed to providing the public with media content that meets local and regional needs and is global in outlook and standards.

In this programme, we also provide additional help to students wanting to pursue an academic future by engaging with them critically and preparing them for relevant qualifying examinations such as the National Eligibility Test (NET), conducted by the CBSE, on behalf of the University Grants Commission (UGC).

Industry Partnership

SAGE Publications India Private Limited (New Delhi)
To Design courses & provide training to the students as adjunct faculty of TNU

Cactus Communications Pvt.Ltd
(Mumbai, Maharashtra)
To create course framework & provide opportunities to work as freelance editors in identified subjects

Career Prospects

English degree graduates and post graduates are often required where strong communication and written English skills are top priorities; for example, within the worlds of media and publishing. Mass communication is a vast field covering various facets such as print journalism, electronic media, online media, advertising, public relations. Some of the other areas for employment are teaching, academic research, translation, editing, technical writing, etc.

In the recent years there has been significant improvements and impact of Mass Communication in our lives. The proliferation comes through print media, electronics media and web media. There are ample opportunities for jobs and career in various newspapers, magazines, tabloids, radio, television, films and in Internet media. One can work as Public Relation Officer, Special Correspondent, TV Correspondent, Producer, Script Writer, Screen play, Radio jockey, TV anchor, Art Director, Editor, Event Manager, Illustrator, Critic, Photo journalist etc. Excellent & high remunerations are being earned by the professional in these fields.
Courses Offered

B.Sc (Hons.) in Applied Psychology

M.Sc in Applied Psychology

Duration

3 years for B.Sc (Hons.)

2 Years for M.Sc

Eligibility Criteria

B.Sc (Hons.)

12th standard pass with any subject

M.Sc

Graduate in Psychology with at least 50% marks

Achievements of TNU Students

- 3 PG students (BATCH 2016-2018) were selected among 1000 applicants from all over India for one month training at NIMHANS on November, 2017. End of their course they had an examination in which they received more than 85% marks, as evaluated by NIMHANS
- 4 PG students (BATCH 2017-2019) were selected among more than 1000 applicants from all over India for one month training at NIMHANS (November, 2018). They received more than 85% marks, when evaluated by NIMHANS, at the end of their course
- Two students (one PG pass out and the other in 1st year PG) participated in two International conferences on November, 2018 and December, 2018
- Two students submitted their research dissertation to a reputed peer, reviewed in International journals for publication
- Two out of the three pass out post graduate students (BATCH 2016-2018) got selected in M Phil course at PGIBAMS, Raipur. Another one is working as a counselor at a reputed higher secondary school at Howrah

B.Sc (Hons.) in Applied Psychology

M.Sc in Applied Psychology

Psychology is the study of human behaviour. Applied psychology is a field that focuses on putting theories and principles of psychology into practical use. There are a number of disciples under the field of applied psychology i.e. clinical psychology, organizational psychology, educational psychology, counseling psychology, developmental psychology, forensic psychology, etc.

B.Sc in Applied Psychology is a 3-year graduate course having 150 credit points (14 theory papers; 6 practical or internship). Students may learn Computer and English courses apart from Psychology, the core subject. Psychology papers are covering most of the principal aspects of psychology. 1-month summer internship at one of the best NGOs of Kolkata (end of 4th semester).

Other internships are at the outdoor departments of various psychiatric department of government hospitals in Kolkata. Once a week training at the research unit of University of Calcutta, (during 5th or 6th Semester)

M.Sc in Applied Psychology is a 2 year Post Graduate course having 95 credit points (9 theory papers, 5 practical/ internship) with an option between Clinical Psychology and Industrial or Organizational Psychology as specialization. Post-Graduation syllabus is at par with UGC NET or various M Phil Entrance test. 1-month summer internship at one of the best NGOs of Kolkata (end of 2nd semester). Other internships are at the outdoor departments of various psychiatric department of government hospitals of Kolkata. Once in a week training at the research unit of University of Calcutta (during 3rd or 4th Semester). 1-month training at NIMHANS, Bangalore, the most reputed mental health hospital in India. Selection is made by the authority of NIMHANS.

Career Prospects

Applied Psychology graduates and post graduates have a vast range of career options. They can decide to be Clinical Psychologists, Industrial-Organizational Psychologists, Counselors, Genetics Counselors, Forensic Psychologists, School Psychologists, Sports Psychologists, Special Education Teachers, utilising tools that include personality assessments, interest inventories, and a host of other evaluation measures.
Industry Partners + International Collaborations

**Phi Robotics Research Private Limited (Thane, Maharashtra):** MoU signed is of immense benefit to the students and faculty of the Robotic Engineering Program. Advanced curriculum structure with experiential learning will yield vivid career pathways for the students. Phi Robotics Research Private Limited have already offered "Conditional Employment" to the 1st batch of Robotic Engineering students.

**Adani Power Limited (Ahmedabad, Gujarat):** MoU signed is a path breaking initiative. Industrial tours and internships will enable students to get a real feel of the industrial environment and appreciation of knowledge gained in classroom and labs.

**Batoi Systems Private Limited (BSPL), Bhubaneswar:** MoU signed to provide students a better understanding of new trends in CSE. BSPL may recruit CSE graduate and post graduate students of TNU on merit base at their discretion.

**K-Ship:** TNU Signed MoU with K-Ship, who will be the interface between TNU and leading Marine Companies to help in placing Marine Engineering (MRE) and Bachelor of Nautical Science (BNS) Students.

**Destan Ship Management Pvt. Ltd.:** MoU is signed authorizes DSMPL to recruit and place students of Marine Engineering (MRE) and Bachelor of Nautical Science (BNS) in leading shipping companies as engine cadets and Deck cadets.

**Blue Bird Shipping Management Private Limited:** MoU signed authorizes BBSMPL to recruit and place students of MRE & BNS on shipping companies.

**Cactus Communications Pvt.Ltd, Mumbai, Maharashtra:** MoU signed providing the students with better training and understanding in current trends related to online editing of research papers, documents, books, journals, writing of research papers, etc.

**Sage Publications India Private Limited (New Delhi):** TNU and Sage Publications India Private Limited signed MoU to design courses & provide training and internship to the students as per requirement.

**Hotel and Tourism Management Institute (HTMI), Switzerland:** MoU signed with HTMI, Switzerland, a Leading Hotel Management Institute in the World. Each hospitality student would visit HTMI, Switzerland, as an integral part of the course.

**The Park, Kolkata:** luxury business hotel accommodation and signature boutique presence, with elegant decor and modern facilities will be well utilized in hospitality education and training.

**Ambuja Neotia Incubation Private Limited:** MoU has been signed in order to develop entrepreneurship among students of TNU and help them to work with new entrepreneurs and learn from their experience.

**Swissôtel, Kolkata:** Swissotel Kolkata Neotia Vista is a 5-star business hotel located at City Centre, New Town - the very heart of Kolkata’s emergent urbanscape.
**Choicest Enterprise, Kolkata:** The Company is a subsidiary of Ambuja Neotia Holdings Private Limited and a pioneer in the F&B business in the city of Kolkata.

**GGL Hotel & Resort Company Limited, Kolkata:** The Company is a subsidiary of Ambuja Neotia Holdings Private Limited. The Company is in hospitality business since 1997 when it started the operation of 'The Ffort Raichak'.

**University of Massachusetts at Dartmouth (UMass D), USA:** MoU signed will promote exchange of faculty & students. Entrepreneurs from incubation of UMass D will interact with TNU students and provide them live projects with small stipend. These students will then have the opportunity based on their performance in U.S. in those companies.

**Life Sciences Sector Skill Development Council (LSSSDC), New Delhi:** MoU signed benefit students of, Biotechnology, Bioinformatics & Applied Microbiology to develop skill and knowledge.

**Association of Biotechnology Led Enterprises (ABLE):** Membership with ABLE help TNU students to gains exposure in verticals of the sector like Agri biotech, Bio-pharma, Industrial biotech, Bioinformatics and more.

**Bioinnovat Research Service Private Limited (New Delhi):** MoU signed will present students with significant opportunities related to research work and development

**Frost & Sullivan Incorporation:** MoU signed benifit the students of Biotechnology & Bioinformatics in research and development.

**Savoie Mont Blanc University, France:** MoU signed with the Savoie Mont Blanc University will provide joint research actions and exchange of publications, apart from exchange of professors and research scholars.

**Edinburgh Napier University, United Kingdom:** TNU and Edinburgh Napier University signed MoU. Several collaborative projects are considered. One of the project that will soon become operational is design of solar powered low cost highly durable rickshaws.

**Concordia University of Edmonton, Alberta, Canada:** First International Collaboration/ MoU signed with Concordia University of Edmonton, located in Edmonton, Alberta, Canada. This University which runs unique and state of the art courses in multiple disciplines will ensure advanced pedagogy and student exchange programs.

**Yasar University of Turkey:** MoU signed with Yasar University and TNU will provide opportunities for students to research in the field of science and technology, be a part of Conferences, workshops, and short overseas summer courses besides exchange of information and thesis.

**Shandong Labour Vocational and Technical College (Shandong Province), China:** MoU signed help students network with industry professionals and discover invaluable work experience opportunities.

**Infosys Campus Connect programme:** To align the curriculum with the industry's requirements, the university is having a tie-up with Infosys and provides training to students to make them employable.

Negotiations with several other companies are in progress to make a large component of TNU’s programs experiential and unique.
CHOICE BASED CREDIT SYSTEM (CBCS)

Our Students are engaged in wide variety of activities beside substantial academic, laboratory and research works. Students are encouraged to interact with peer groups by participating in education programs and other socio-cultural activities.

TNU is one of the few higher education institutions in India that has implemented Choice Based Credit System (CBCS), both in letter and spirit in accordance with its mission of imparting holistic education.

- Choose courses of your choice
- Choose Electives from core related subjects
- Opt for additional non core courses
- Continuous Evaluation System
- Easy transfer of Credits to inter college / Foreign Universities
- Learn at your pace
- Follow your passion

The Salient Features of CBCS

- A student has to earn a specified number of credits to graduate
- For successful completion of a degree program, a student has to complete:
  
  60% of the total required credits by taking mandatory core courses
  
  20% from elective courses
  
  20% from courses outside his/her area of specialization. This gives an opportunity to the specialization. This gives an opportunity to the students to interact with a wide spectrum of students from disciplines other than their own and also explore their extracurricular interests and inclinations.

- Students will be evaluated on a continuous basis which includes assignments, monthly tests, small projects etc. Final grade will be a weighted average of the performance throughout the semester as per the UGC’s 10 point grading scale.
AWARDS, GRANTS & PUBLICATIONS

Dr. Biswajit Ghosh is involved with photovoltaic research at Jadavpur University since 1978 and made pioneering contributions in the field of electrical contacting technologies to the opto-electronic materials & devices in general and thin film photovoltaic cells in particular. He discovered electro-kinetic effects from photovoltaic power plants which showed its potential applications for ‘Agrivoltaic’, the dual use of land for energy and food security. Professor Ghosh published more than 100 research papers in reputed SCI Journals and Conference Proceedings, generated 12 patents, wrote two book and several book chapters. His research papers were cited in many publications.

Dr. Prosun Tribedi has received a grant of INR 23 lakhs from Department of Science & Technology, India for Research & Development activities. He has twenty four Publications in International Research Article, and three in a highly reputed International Magazine.

Dr. Debajyoti De has published ten research papers in reputed International Journals & attended more than ten National/International conferences in India & abroad with oral & poster presentations. He was awarded with certificate of merit for being selected as one of the six top presenters in National Science Day Meet at IACS, Kolkata, 2015.

Dr. Pulok Pattanayak has eleven publications to his name. He has attended a number of International and National conferences across the world.

Dr. Pranam Paul has written four books, namely, Programming with C++ along with Dr. Ravichandran and Programming with Java along with E. Balaaguru Swamy. He has 91 publications and is working on many others.

Dr. Ankush Ghosh has outstanding research experiences on Spintronics-a field of Nanotechnology and published more than 45 research papers in International Journal/Conferences. He was a research fellow of the Advanced Technology Cell- Defence Research & Development Organization (DRDO), Govt. of India. He was awarded National Scholarship by HRD, Govt. of India. He is Editorial Board Member of five International Journals.

Mr. Ratan Kumar Bhattacharya has participated in an International conference on Emerging Material: Characteristics and Application in December 2014 at CGCRI Kolkata and another one in Free Vibration Characteristics of NIMONIC 80A Gas Turbine Blade. He has also participated in another International conference in Adv. in M.E. & Its Interdisciplinary areas Jan. 2015, CEME, Kolaghat, India on the topic “Free vibration characteristics of SS-Al2O3 functionally graded conical shell with rotational effect.” He is currently doing a project on Solar Refrigeration.

Dr. Amit Sarkar is a molecular geneticist whose research interest lies in the characterization of the virulence genes of marine Vibrios. He has nine peer reviewed international publications and attended several international conferences to present his work. He has also contributed in a book chapter published from Springer.

Dr. Dipannita Datta has authored four books, which resulted from her meticulous research on the writings of Tagore, Ashapurna Devi, George Elliot, and others.

Prof. (Dr) Aftab uz Zaman has published more than 110 research publications and 179 publications in the proceedings of national and international seminars and conferences held in the country and abroad. He worked as Programme Coordinator, West Bengal Accelerated Development of Minor Irrigation Project (World Bank) 2014 to 2016 after superannuation from University Service.

“In 2018 - 2019 educational year many research papers have been published in renowned national and international peer reviewed journals or conferences by our renowned professors.”
The Neotia University (TNU) is equipped with avant-garde infrastructure. We offer a rather impressive array of facilities viz smart classrooms, modern laboratories, conference and seminar halls, Wi-Fi enabled campus, a high-tech Learning Resource Centre, state-of-the-art IT Centre, clean and airy student residences, mess serving wholesome meals, indoor and outdoor sport facilities including a plush new gymnasium with latest equipments. Campus Banking Facilities, Doctor-on-call and Hospital Linkages are also available to enhance the student’s convenience.

**Library**

We have a world class library with 8000 sq.ft of reading area, as well as niche corners for solo study. With a collection of nearly 31000 National & International Books, 3 million E-Books & Journals, we offer a high tech catalogue from which students can access a wide range of online books and journals.

Expert Librarians are available in person to help navigate our extensive collection of discipline specific literature, books, periodicals, project reports, online periodicals and question bank. Besides the central library, each department has their own fully equipped library as well.

**Smart Classroom**

All departments of the University boast of smart classroom facility, which makes learning more interesting and easy.

**Workshop**

A large size of 10000 sq.ft of workshop with all latest machineries installed within. Students are trained on these machineries under the guidance and supervision of qualified & trained experts on various programmes offered by the University.

**Multipurpose Hall**

A large size of 13000 sq. ft. of Multipurpose Hall is available within the campus to organize various programs and activities like Seminars, Quiz and Drama along with indoor sports.

**Laboratory**

We have a highly advanced language lab within the campus to help students to improve the communication skills as well as the gesture, posture and body language.

**Wifi**

The entire campus is WiFi-ed with 54 mops speed including hostels.

**IBM Laboratory**

IBM advises/suggests on the lab set up and lab instructions for Computer Science & Engineering with specialization in Cyber Security/Data Analytics students.
Ship-in-Campus
Ship-in-Campus of the institute is an in-house ship building which is in working condition consisting of a 4000 BHP Ship Engine along with complete set of machineries available on the ship like Generator, Oil-Water separator, Boiler, Fire Control Lab, etc. This is the only working Ship-in-Campus in Eastern India of its size and students are provided hands-on training on various machineries of it.

Bridge Simulator
The BNS Department of the institute provides training to students on a high end latest Bridge Simulator to give feel and experience, while sailing the ship under various climate conditions in the sea.

Freefall boat
Probably, this is the First Institute in India, which has a Free Fall Davit training facility for the students.

Hostels
There are 4 nos. of hostels inside the boundary wall of campus, out of which 3 hostels are for boys accommodating approximately 1000 students and a separate hostel for girls accommodating approximately 350 students with dedicated canteen and common rooms in each hostel building with security guards and power backup 24x7.

Number of students on campus
There are 832 students on campus. 405 students are staying in hostel within the campus boundary out of which 122 are girls and 283 are boys.

Student Working at Electro Discharge Machine at Mechanical Workshop

Laboratories
All departments have well equipped laboratories supervised by experienced faculty members & trained technicians to help the students in performing experiments. There is also a highly advanced language laboratory to help students to improve their communication skills as well as gesture, posture & body language.

Football Ground
There are 2 large size football grounds within the campus for various outdoor sports activities and to organize various sports competitions.

Campus Vigilance and Security system
The Main gate of the University is monitored by CCTV cameras and Turnstile machines are installed to keep the record and vigilance on the movement of students. The campus is guarded by a high wall surrounding to it and is well secured. The students are required to access smart card for entry and exit. This ensures that outsiders are not having any unauthorized access. Security is a prime concern for the university.

Laundry
The University has the facility of laundry service to its resident students. The students residing in hostels may avail the laundry facilities against reasonable charges.

ATM
There is a dedicated ATM of Axis Bank for the institute within the campus boundary wall.

Tea Junction
A high quality hygienic fast food joint is available within the campus to supplement the taste of students and staff members.

Basketball Courts
There are 4 basketball grounds with latest equipments and a trainer to train the students.

Table Tennis
Each hostel has Table Tennis Board and necessary equipment along with a trainer to train the students.

Cricket Practice Court
There is a separate facility available for the students to practice cricket under the guidance of the highly qualified trainer who has served as National Cricket Coach.
The Neotia University (TNU), West Bengal, is spread over 50 acres of lush green, beautifully landscaped campus in the outskirts of Kolkata. The four sections of campus are Scholastic Buildings, Sports Pavilion, Socio-Cultural Arena, and Administrative Block. We offer a rather impressive array of facilities to enhance students’ life at the campus.

Dining and Housing
All hostel blocks, separate for boys and girls, come equipped with their own dining halls, common rooms and housing services. Bored of studying and want to take a break? Hop on down to one of the common rooms for a game of Carrom or one of the Volleyball courts for a friendly match between friends and classmates. We also offer several housekeeping services like laundry services to ease some of that workload for our most hardworking students.

Each hostel is supervised by an experienced warden as well as a faculty in charge to ensure the safety and well-being of our students.

We also accommodate special requests based on allergies and dietary restrictions. For a bite to grab on the go, we even have a Tea Junction outlet on campus.

Gymnasium
Students who are into fitness and cardiovascular and resistance training, they can head to our fully equipped gymnasium, to stretch their muscles. The gymnasium has all the makings of a professional gym. Students will find a range of resistance machines and free-weights to suit their physical workout regimes.

Swimming Pool
A full size state-of-the art Swimming Pool with a dedicated Trainer and Life Guard caters to Swimming as a passion or leisure and also for professional requirement for MRE and BNS Courses.

Health and Wellbeing
There is a doctor on campus at all times and we have a fully equipped dispensary to treat a wide range of illnesses. For emergencies, there is also an ambulance on standby as well as tie-ups with all the major hospitals nearby.

Ragging Free Campus
We have a strict Anti-ragging Policy in place. The Anti-ragging Council comprises several senior faculty members who make sure all policies are enforced in entirety and students do not feel threatened in a new atmosphere.

Discipline & Safety
Our campus has a vibrant and strong community feel. We are committed to the safety of our student community. Highest priority
is attached to discipline, which plays a vital role in shaping personality & professional outlook. Any act of breaking the discipline is invariably detected and we maintain zero tolerance policy for such acts. All entry and exit points and key locations across the campus are monitored 24x7 by a professional security agency with the help of modern communication aids and CCTV cameras.

Students Technical Cultural Clubs and Activities
We have a 10000 sq. ft arena to host events like socio-cultural, and technical activities, exhibitions, sports competitions, quiz contests, etc.

**CLUB MARINE:** This club was formed at the inception of the Marine and BNS courses and exists under School of Maritime Studies and OIC sports comprising BNS and Marine Cadets.

**TECH NICHE:** The Technical Club has been formed since the inception of the Technology & Technical related courses. All through the year, the club conducts various activities like seminars, presentations and lectures pertaining to the Technology subject.

**TURNING LENS:** The photography club has been formed by budding photographers from all streams. The club is connected to Kolkata Turning Lens Peoples Society, and has student members from there as well.

**AJANTRIK:** The Cultural Club comprises student from all streams. The club forms the Cultural Committee of the University, and organizes several sport, culture and welfare activities throughout the year. Teaching poor children of adjoining villages and conducting Blood Donation Camps are among the major charitable and welfare activities performed by the club.

**RHYTHMS:** This Music and Drama Club organizes and facilitates Cultural Programmes at the Intra and Inter Collegiate levels. The club holds auditions for all drama, dance and music events which are performed/ participated in by the University at the Inter Collegiate Meets and Festivals.

**ECO SPHERE (NATURE CLUB):** The Nature Club is proposed to be started very soon, with a motive of planting more trees, maintaining ecological balance in the campus, conserving natural flora and fauna, holding awareness campaigns and programmes related to eco-friendliness, hygiene, cleanliness and nature conservation within the Campus.

**E CELL:** The Entrepreneurship/ business Club encourages students to come up with business ideas and proposals, which are discussed in open forums, in presence of professionals and experts.

**CINE CLUB:** The Cine Club of The Neotia University have been formed with lots of enthusiasm and passion. The club members have already produced two short films (Mirror and Adrishya) and immensely appreciated by eminent personalities across the society. They are working very hard to shoot and produce more creative, meaning and value added films that will have positive impact in our University and the society as a whole.
ALUMNI

TNU is relatively new in its current configuration, but has its antecedents in the 16 year old institution called Neotia Institute of Technology, Management and Science (NITMAS), from where we have more than 3000 Alumni working successfully in their chosen walks of life, across the world.

Rohit Kumar Mitra, Computer Science Engineering, 2018
I have received my job offer letter from two organizations, that is, Infosys and Cognizant Technology Solutions. I have decided to join cognizant as a Program Analyst Trainee.

Sanhati Panigrahi, M.Sc Applied Psychology (Clinical Psychology) 2018
I am currently working as school counselor at Asian International School. TNU has prepared me for the professional work as a Psychologist. Guidance, Knowledge from Professors helped me a lot.

I am currently working in Apollo Gleenagles as a psychologist. Also my research paper got selected in international conferences for oral presentation. TNU and the faculty of psychology department helped me intern in places like NIMHANS, Cini, Pavlov Mental Hospital and Apollo Gleenaegles Hospital.

I am presently working for Microsoft, Redmond USA, with EMC/SI/RF team as Test Engineer for RF characterization of upcoming hardware devices and development of RF test methodologies for more accurate testing at high frequencies to minimize the effect of crosstalk and harmonics.

Avik Laha, Information Technology, 2010
I am working with TCS. I have to travel a lot within & outside India & I make all visit purposes a success owing to the knowledge I have summoned from "NITMAS". Study materials were excellent & online and offline doubt clearing sessions by professors were fruitful.

Diganta Rath, Electronics & Communication Engineering, 2009
I am a CISCO Certified Network Associate. I am working as a Senior Specialist Network Support Event Manager in IP Security Control Plane Fault Management Team. NITMAS has enriched my life, it provided me with the necessary knowledge to enhance my skills.

Aniruddh Mishra, Marine Engineering, 2008
I am on ship of Mediterranean Shipping Company, whose offshore O.H.O is in GENEVA, SWITZERLAND. MSC is 2nd world largest shipping company. NITMAS has played a major role in my life.

Aritra Talukdar, Electronics and Communication, 2008
I am currently working with Infosys Technology. NITMAS prepared me to take up leadership roles in life. The most important opportunity that NITMAS offered me was the campus recruitment drive.

Abhishek Kumar Pandey, Marine Engineering, 2007
I am currently working with Mediterranean shipping company SA: MSC 5th engineer. Studying in NITMAS has been a great experience.

Vedika Badiani, Computer Science, 2007
I was selected by Wipro Technologies through on campus placement processes, where I worked for 2 years & thereafter joined IFMR, Chennai, for MBA. NITMAS was the best experience of my life.

Anurag Tamret, Marine Engineering, 2005
I am currently working as 4th Engineer in Wilhelmson Ship Management. ITME provided the platform on which we could grow and carve niche in this competitive world. We had very good professors & faculty members under whom we thrived & became competent.

Harmeet Singh Sethi, Biotechnology, 2002
I am working as a Business Analyst for LabVantage Solutions Inc in New Jersey, USA. I joined LabVantage, through campus placement process. Later, I was transferred to LabVantage's HQ in the US. I enrolled myself into the IT department, later I decided to move to Biotechnology Department as it was to take over industries in 10-15 years.

Prachi Bhattacharya, Information Technology, 2004
I am currently working with Schlumberger as Senior Software Engineer & Production Operation Engineer, my job involves developing software for Oil and Gas production operation clients. NITMAS prepared me to face the world. It is this place where I received guidance, knowledge & education along with a chance to keep my hobbies alive. Through campus placement I got into L&T Infotech.
STUDENT TESTIMONIALS

Both TNU and NITMAS are diligent in their pursuit of excellence and their aim to attain holistic development by ensuring that the education provided is contemporary and experiential through partnerships with industries and other academic institutes.

Sampreet Sarkar, 4th Year, Robotics Engineering
I have chosen Robotics Engineering because I believe that automation will play a vital role in Industry & Academics. The Faculty are very approachable & co-operative. I love participating in the various sports & cultural events too. Internship at WABCO was a great learning experience. WABCO provided a stipend of Rs.12,000/ month to all interns.

Cadet Suvadip Pal, 1st Year, Marine Engineering
I am privileged to be a part of the School of Maritime Studies. The training is rigorous & discipline oriented. We learn a lot practically at our Ship-On Campus, & we are eagerly looking forward to the beginning of our “Free-Fall Lifeboat Project. The facilities offered are great & we enjoy ourselves on Campus.”

Avirup Sarkar, 2nd Year, Energy Engineering
TNU has excellent infrastructure & faculty which will help me to become successful & market-ready Engineer. The lectures are extremely informative & interesting, the course content is different from the traditional courses. We have excellent Hostels, Canteens & Sports Infrastructure which we enjoy availning.

Srishty Jain, 3rd Year, Applied Psychology
It’s a lovely, lush green, beautiful Campus, the best place to be at, and we thoroughly enjoy ourselves hanging out & of course, pursuing the course. The student-teacher relationship is excellent, the Faculty are helpful & supportive. The AC Bus service ensures that we have a comfortable and stress-free journey.

Ankit Bal, 2nd Year, Mechanical Engineering
I study ME. I am very happy with the excellent facilities provided by way of Infrastructure, Faculty & Hostels. We have excellent sports infrastructure with 3 Basket Ball Courts, 2 large play fields, a full-size swimming pool, Table Tennis, Badminton & Carom facilities.

Cadet Hiranmoy Ghosh, 1st Year, Marine Engineering
TNU offers the best Infrastructure in Eastern India and is possibly the best University teaching the course of MRE. The School of Maritime Studies offer excellent, modern & state-of-the-art training methods for MRE & BNS cadets under strict disciplinary norms. Side by side, sports and extracurricular activities are highlighted through Club Marine, making the University a vibrant place to pursue the course.

Parthasarathy Khara, 1st Year, Agriculture
The Campus is serene, with good hostels & great infrastructure. The Faculty are very good who help us by taking extra classes whenever required. Other people on Campus are also very friendly, making this a home- away- from home.

Varun Ravindran, 4th Year, Robotics Engineering
I am studying Robotics Engineering course. We have excellent faculty and infrastructure facilities. I have recently completed my Internship at WABCO, It was a knowledgeable experience. Our four out of five Technologies created at WABCO were displayed in Germany by WABCO in a Conference.

Drishti Mukherjee, 2nd Year, Biotechnology
I wished to study Biotechnology since I was in High School, the University has given me the platform. I was looking for a course which would suit the current market requirements. The Faculty are just great, we share an excellent relation with our classmates & seniors alike

Sayantanu Pahari, 1st Year, School of Hospitality and Culinary Arts
I am pursuing my course in Hospitality Administration. The food production laboratory, the training restaurants, the classrooms, and the central library – all are commissioned with state-of-the-art equipment and provide maximum comfort to our learning process. The team of faculty can be rated as one of the best in the country with each one having quality experience in both industry and teaching.

Beauty Bose, 4th Year, Computer Science and Engineering
I am pursuing CSE course. I have recently completed my Internship from Metalogic Systems Pvt Ltd., I worked on the project named Company Attendance System. I learnt various details about J2EE platform, used servlet as coding language, *JavaScript* as scripting language and *SQL* as query language. I used server * “Apache” * Tomcat7* “ and * “MySQL” for storing database details. Along with it I also got to learn *JSP* *HTML* and *CSS* for front end designing.
Seminar/Conference/workshop organized by The Neotia University

1. Organized Seminar on Robotics Applications by Mr. A Ramachandran, Senior Manager, MTAB Engineers (P) Ltd. on 19th February, 2018.
2. Organized Seminar on Block chain by Mr. A. Ghatak, MieRobot on 16/03/18
3. Organized one day workshop on ‘UX design’ at the University campus on 18th September, 2018 in association with MieRobot.
4. Organized Seminar on “higher studies in abroad” held on 22nd November, 2018 by Mr. Amitava Das, Charge de cooperation universitaire et scientifique, Consulat General de France a Calcutta and Mr. Sourav Bhownik, Manager, Campus France, Kolkata.
5. Organized Seminar on "higher studies opportunities in Germany" in association with Futur@Campus (resource person Ms. Ksenia Naberezhneva from Berlin) on 24th January 2019 at The Neotia University campus.

Seminar/Conference/workshop organized by English

1. Organized “The Neotia University Bridge Course”, 1st August -10th August, 2018, Diamond Harbour Campus, India

Seminar/Conference/workshop organized by Computer Science and Engineering

1. Organized workshop and T3 on PHP from 9th -12th October, 2018 at The Neotia University Campus.
4. Organized a Poster Presentation as an event of celebrating ICE day on 16th Nov, 2018 at The Neotia University Campus.
5. Organized a seminar on IT Physical & Systems Security from 28th-31st January, 2019 at The Neotia University Campus.
6. Organized seminar on Data Mining & Protective Modeling from 28th -30th January, 2019 at The Neotia University Campus.

Seminar/workshop/Conference organized by Applied Psychology

1. Organized 3 days workshop on Rorschach Ink Blot Test at The Neotia University campus in the month of February, 2017.
2. Organized an interesting and innovative invited lecture on 25th February, 2019 at The Neotia University Campus. Ms. Parmeet Soni, a consultant clinical psychologist of St. Xavier’s College delivered the lecture on a topic entitled “Di se bolo, khule ke Jio: need of counseling in higher education”.

Seminar/Conference/workshop organized by Physics

1. Organized an interesting and innovative invited lecture on 1st March, 2019 at The Neotia University Campus. Dr. Santanu K. Maity, Associate Professor, Physics and Applied Mathematics Unit of Indian Statistical Institute delivered a lecture in The Neotia university campus to motivate the students.

Seminar/Conference/workshop organized by Chemistry

1. Organized an one day workshop on “OIL and GAS Conservation” by PCRA (Petroleum Conservation Research Association), Ministry of Petroleum and Natural Gas, Govt. of India on 8th February, 2017 at The Neotia University campus.

Seminar/Conference/workshop organized by Mathematics

1. Organized one day workshop on the Celebration of National Mathematics Day (a programme supported by NCSTC, DST, GOI) under theme "Mathematics for All on 19th March, 2019 in association with DST, Govt. of India and West Bengal State Council of Science & Technology at The Neotia University campus.

Seminar/Conference/workshop organized by Electrical/Energy Engineering

2. Organized a seminar on 3rd May, 2018 to celebrate the "International Sun Day" on The Neotia University campus.

TNU Team at HTMi Campus, Switzerland

TNU Team comprises of Mr. P.J. Agrawal and Dr. Angshuman Chatterjee visited HTMi, Switzerland to have collaboration for offering B.Sc. in Hospitality Administration course. The course is being offered at School of Hospitality & Culinary Art at The Neotia University. The team had extensive visit of all the facilities at HTMi and had series of meetings and discussions with the competent authorities of HTMi for implementation of HTMi’s international curriculum at The Neotia University.
LEGEND - BUILDING

A. UTILITY & SERVICES
1. Main Gate/ Securityroom
1a. ATM
6. Panel Room
16. Central Store
19. Electrical Room

B. ADMINISTRATIVE
2. Administrative Block

C. INSTITUTIONAL
3. Scholastic Building-I
4. Scholastic Building-III
5. Scholastic Building-II
7. Workshop
8. Ship Building
9. BNS Scholastic Building

D. RESIDENTIAL
10. Boys Hostel-II
11. Girls Hostel-III
12. Boys Hostel-IV
13. Boys Hostel-VI
15. Staff Quarter
17. Canteen Block
22. Director's Residence
23. Basketball Court
24. Badminton Court
25. Football Ground

E. RECREATIONAL
20. Multipurpose Hall
21. Swimming Pool