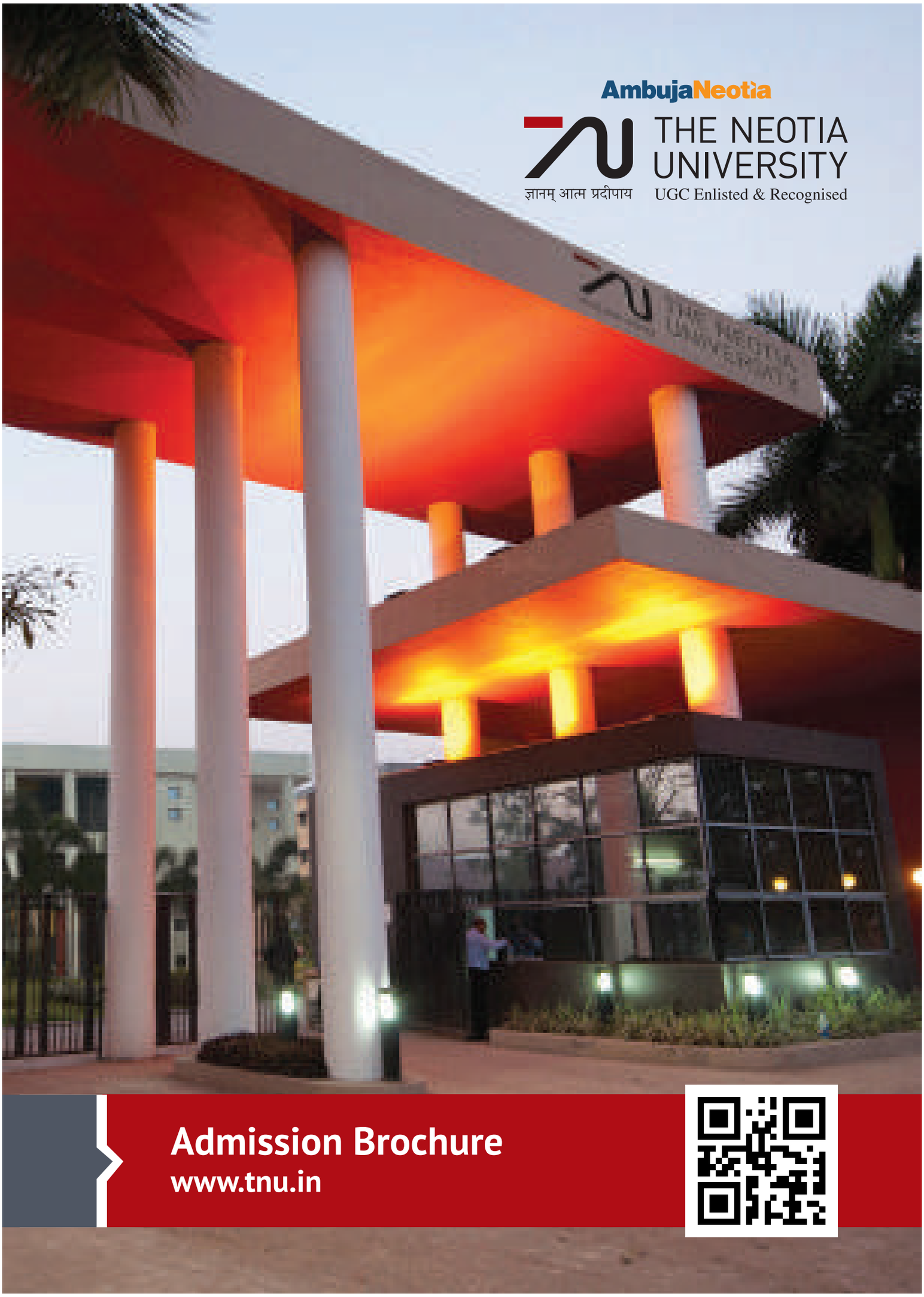
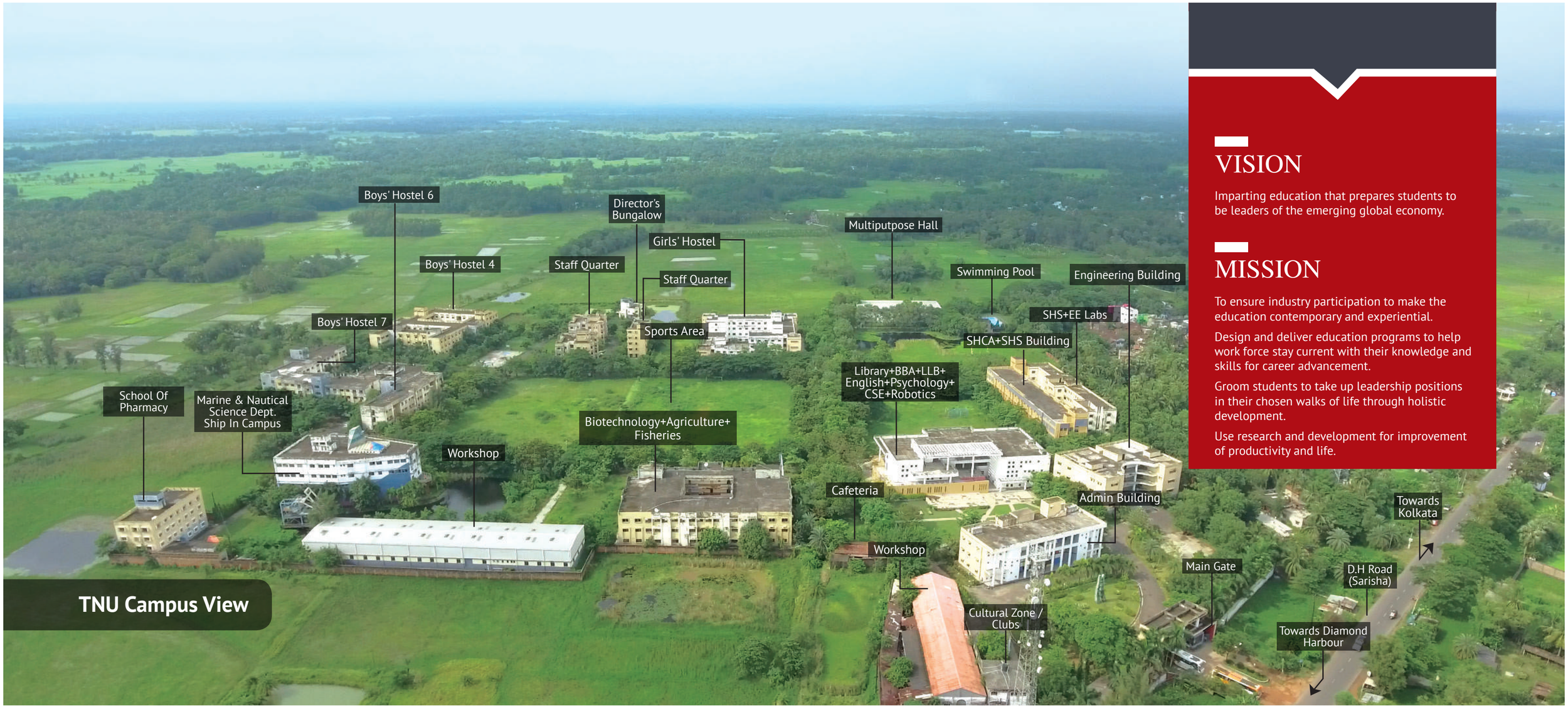

AmbujaNeotia
THE NEOTIA UNIVERSITY
ज्ञानम् आत्म प्रदीपाय
UGC Enlisted & Recognised
Admission Brochure
www.tnu.in



TNU Campus View

VISION

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

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 through holistic development.

Use research and development for improvement of productivity and life.

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CHANCELLOR'S MESSAGE

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.

My family has played a leading role in Eastern India in the fields of realty, hospitality and healthcare. My foray into education has been a natural corollary to this process. I believe that some of the best talents already exist here and it only requires to be channelized to become the leaders in various fields of industry and society at large.

At The Neotia University (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 and Automation Engineering, Computer Science and Engineering with specialization in Cyber Security/ Data Science/ AI&ML/ Embedded Systems & Industrial IOT, and Masters in Applied Sciences. We have also courses under Maritime Studies, Agriculture and Allied Sciences, Health Sciences, Pharmacy, Hospitality and Culinary Art, Legal Studies, and Humanities to fill in the gaps in defined job profiles for the students of Eastern India.

The global outbreak of COVID-19 pandemic continues to impact our lives severely. The education sector has been greatly challenged with the need for personal distancing, lockdowns, and disruption of travel. Even during these, difficult times arising out of Covid-19, we continue to remain committed by taking series of actions to ensure a safe and a hygienic campus and teaching-learning moving to online mode with total commitment from faculty, students, and the administration.

Our vision is to ensure that our alumnae emerge as ethical, intellectual and professional Leaders to our society and country. Leaders who will show the way to a 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

Mr. Harshavardhan Neotia
Chancellor - The Neotia University

VICE CHANCELLOR'S MESSAGE

Modern IT technologies such as educational analytics and virtual classrooms are employed so that students can learn from the best available faculty irrespective of their geographic location.

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

We have some of the best faculty members as well as research labs, some of which are funded by the DST and DBT. The University has introduced Choice Based Credit System (CBCS) 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.

Even before the onset of Covid-19 pandemic, as the world was entering into the virtual age, the University has adopted software-based technologies like smart classrooms to deliver teaching and learning so that the students can learn and adopt themselves with the upcoming international systems. Therefore, with the strike of global pandemic, the University in no time completely transitioned from classroom teaching to the online mode seamlessly.

The lush green, beautifully landscaped campus is equipped with facilities providing a serene and tranquil ambience in teaching, learning, and translation of knowledge. 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.

On behalf of the University, I am inviting the Parents and Students to experience TNU.

Warm Regards

Dr. Biswajit Ghosh
Vice Chancellor - The Neotia University

GOVERNING BOARD

Mr. Harshavardhan Neotia

- He is currently Chairman - Ambuja Neotia Group. The Group operates across five business verticals: Real Estate - covering the entire gamut of housing, retail and commercial spaces, Hospitality - including hotels, resorts, clubs and restaurants, Healthcare with multispecialty hospitals, Education, and Startup Incubation
- His work in social housing earned Harsh Neotia the honour of being conferred with Padma Shri from the hon'ble President of India in 1999
- He is also a recipient of the YPO Legacy of Honour Award
- He was recently conferred the D.Litt. (Honoris Causa) by Vidyasagar University, West Bengal
- He is an active member and past president of FICCI and AIMA
- He is presently member of India Brand Equity Foundation (IBEF) Trust, Indira Gandhi National Centre for the Arts (IGNCA), and Chairman of National Institute of Technical Teachers' Training & Research (NITTTR)
- He has also formerly been on the board of IIM Kolkata, IIT Kharagpur, and a member of The Court of Jawaharlal Nehru University
- He heads Jnana Pravaha, a Centre for Cultural Studies and Research in Varanasi, as its chairman, and is one of the trustees of Shree Somnath Trust that manages and maintains the Somnath Temple in Gujarat
- He also serves as the Honorary Consul of Israel in West Bengal

Mr. M. K. Narayanan

- Former Governor of West Bengal.
- Former Senior Advisor and National Security Advisor to the Prime Minister of India.
- Former Director, Intelligence Bureau.
- Led India in Institutionalised Security and Strategic Dialogues with several countries across the globe.
- Played a significant role in the negotiation of the landmark Indo-US Nuclear Agreement.
- Currently, Executive Chairman of CyQureX Systems Pvt. Ltd., a UK-US Cyber Security joint venture.

Prof. Biswajit Ghosh

- Vice Chancellor, The Neotia University
- Former Professor of Energy Science & Technology and CSIR Emeritus Scientist at Jadavpur University
- International Solar Energy Society identified as one of 'Pioneer Solar Energy Researcher' of the World
- Government of West Bengal honoured with 'Sikharatna', the 'Outstanding Teacher'
- National Institute of Technology, Agartola, honoured 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 Northumbira University at Newcastle,
- Academic Visitor at Imperial College, London
- Former Royal Society Overseas Scientist at University of Surrey, Guildford, UK
- Former Visiting Professor as well as Leverhulme Visiting Professor at Newcastle University, Newcastle, UK
- Former Advisor 'Energy & Climate Change' of United Nation Industrial Development Organization (UNIDO)

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

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. 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. 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.

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

Pt.Vijay Kichlu

- Bestowed with the Civilian Award Padmashri by Government of India in 2018.
- Sangeet Natak Akademy Ratna and Fellowship Award 2014 given by the President of India.
- Founding Director Sangeet Reserch Academy, ITC Limited.
- Leading Vocalist - Agra Gharana.
- Public Performances of classical vocal music all over India, USA, Canada, Europe, Middle East, Phillipines, Bangladesh, Pakistan etc.
- Honorary Citizenship, State of Maryland and City of Baltimore, US.

Mr. S. K. Misra

- Padma Bhushan in 2009
- Registrar and acting Vice Chancellor, Punjab Agricultural University in Ludhiana and Key member in establishing Motilal Nehru School of Sports at Rai (Sonepat).
- 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

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
- In charge of the education vertical of Ambuja Neotia Group

UNIVERSITY OVERVIEW

Approval and Recognitions

विश्वविद्यालय अनुदान आयोग
University Grants Commission
quality higher education for all

DIRECTORATE GENERAL OF SHIPPING, INDIA

BAR COUNCIL OF INDIA

PHARMACY COUNCIL OF INDIA
A statutory body under the Ministry of Health & Family Welfare
Govt. of India

DNV·GL

http://www.tnu.in/

Scholastic Building - III

About Us

- The Neotia University (TNU) and Neotia Institute of Technology, Management and Science (NITMAS) are two dynamic endeavours of the Ambuja Neotia Group led by Our Chancellor Mr. Harshavardhan Neotia. NITMAS was established in the year 2002 followed by TNU in 2015.
- Recognized and Enlisted by the University Grants Commission (UGC), GOI; Directorate General of Shipping (DGS), GOI; Bar Council of India (BCI); Pharmacy Council India (PCI), Certificate of Inspection by DNV.GL.
- The 2500+ students on campus are drawn from India and other Countries, led by renowned faculty members having experience in academics and industry.

Academics and Research

- TNU offers multidisciplinary courses with specializations, designed to ensure that students have the required skill and knowledge that will ensure their leadership for jobs and self-employment.
- A Continuous Evaluation System is followed to assess the students' performance throughout the duration of a course, and not just during semester examinations.
- The Curriculum for each Course is designed by the respective Expert Committees, consisting of Industry Experts and Academic Stalwarts from the particular field of study. For more information visit the course pages on the website at www.tnu.in
- Students are encouraged to Publish Articles in reputed Journals.
- The Research Lab of the Basic Science department is presently running a SERB-DST, Govt. of India sponsored project worth INR 36.33 Lacs entitled Dependence of Exchange Bias on Interparticle Interaction.
- The Research Lab of the Biotechnology department received a grant of INR 23.20 Lacs funded by DST, Govt. of India, a project entitled Strategy Development for the Applications of Biofertilizers into the Soil to increase the Soil Fertility: An efficient way to substitute the hazardous chemical fertilizer application.

Choice Based Credit System (CBCS)

Choice Based Credit Systems (CBCS), where students can,

- Choose Courses of your Choice
- Choose Electives from Core related Subjects
- Opt for additional Non-Core Courses
- Easy transfer of Credits to Inter College / Foreign Universities
- Learn at your pace follow your passion

Internship and Placements

- Pro-active Training and Placement Cell with focus on Internship and Placement.
- Internship programme and Industrial Training is mandatory and part of the Course Curriculum for all Undergraduate and Postgraduate Students. along with Experience Certificate in top Corporate Houses, Research Institutes, Social Impact Groups and Health Care Organizations like Adani Power, Ambuja Neotia, Siemens, Alipore Court, Serum Institute of India Private Limited, NIMHANS, Manovikash, Inst. Of Psychiatry, Medical College, Apollo Gleneagles, NHPC, WABCO, Kuka Robotics, Indian Cyber Security Solutions, Indo-American Hybrid Seeds, Le Meridien, Hyatt Regency, Altair, Swissotel, The Lalit Great Eastern, Novotel Hotel & Residences, MAYFAIR Hotels & Resorts etc.
- Students are provided with soft skill training and English language learning classes.

Scholarships and Financial Aid

- 25% - 100% Scholarships on various categories on Tuition Fee.
  - Tejasvi Scholarship
  - Sarvodaya Scholarship
  - Mere Apne Scholarship
  - Sahodarya Scholarship
  - Gramotthan Scholarship
  - Sports Scholarship
  - Cultural Scholarship
  - Special Hill Students Scholarship
  - Industry Sponsorship (For all B.Tech-Robotics & Automation Students)
- Tie up with Banks for Education Loans.

TNU's Covid Response

TNU's response to the pandemic has been swift. The University has taken series of actions to ensure a safe and hygienic campus.

- Regular Teaching-Learning, Practical Lab Sessions, Projects, Semester-wise exam, regular-internal exam and evaluation, Group Discussions, Home completely moved to online mode using Microsoft Teams.
- Virtual classroom means not only the deployment of technological tools, but also a new Pedagogy.
- Course Books from the University are deliverto the Students' residence by courier service in case the Student is unavailable to collect from the University Library.
- Admission Process is handled entirely in Online mode.

Infrastructure

- 60-acre lush green Campus with full security and CCTV for 24 X 7.
- Smart Classrooms, Language Lab, Workshops, Ship-in-Campus, Bridge Simulator, Freefall Davit, and well-equipped state of the art Laboratories and many more.
- 8000 sq.ft of reading area, 31000+ National and International books and Journals, 3 million e-books and research journals available in the Library.
- Free Wi-Fi facility for all Faculty and Students for 24 X 7.
- Separate Residential Accommodation for Boys (1000+) and Girls (350+) students. More than 40 Faculty members and 50 Technical members reside inside the campus.
- Gymnasium, Swimming Pool, Indoor and Outdoor Games like Cricket, Football, Basketball, Table Tennis, etc. with Coach and Instructors, including mandatory Karate learning.
- A.C Coach Bus facility for Day Scholars from Kolkata and around.

Campus Facility

- The University provides each Student with every single Course Book from the Book Bank.
- Medical Insurance of Rs. 50,000 for each Student until the end of their Program.
- Doctor on Campus with fully equipped Dispensary and Ambulance 24 X 7.
- Eight Students' Club to enhance talent in the areas of Technology, Sports, Music, Photography, Entrepreneurship, Nature, etc.

ADMISSION PROCESS

We practice a holistic approach of assessment that allows every candidate to present his or her unique identity throughout the admissions process. Our thorough evaluation will grant meritorious candidates the opportunity to become future students of The Neotia University (TNU). The University follows a three-stage process to gauge every candidate's true potential.
All candidates are evaluated based on the following:

Submitting the Application Form Online at www.tnu.in or Offline

- You can Register yourself Online through our Website or Offline.
- Next, you will receive an OTP in your Mobile No. and Verification Link in your Email ID, once you verify (any one/ both), you will receive a Link with Login ID and Password. Click on the Link to access the Dashboard that we have created for you. There is no application fee.
- Complete the Online Application Form available on the Dashboard.
- Candidates can choose the option "Result Awaited" while filling the Application Form in the absence of the Qualifying Exam Scores. Once the Qualifying Exam Results are declared, candidates will be required to submit the marks and upload the mark-sheets.

Admission Evaluation Process

- Your Admission will be based on the merit of the marks secured in the last Qualifying Exams.
  - Higher Secondary or Equivalent Exam Marks for Undergraduate Courses.
  - Graduation Degree or Equivalent Exam Marks for Postgraduate Courses.
  - Postgraduate Degree or Equivalent Exam Marks for Doctorate Courses.
- Admission into Post Graduate Program will be through Personal Interview.
- Admission into Doctorate Program will be as per guidelines of UGC.

Secure Your Seat at The Neotia University (TNU)

- For Provisional Admission at The Neotia University (TNU),
  - Pay Rs.10, 000/- for B.Sc. (Hons.) in Applied Psychology / B.A (Hons.) in English / All PG Courses.
  - For Rest of the Courses Pay Rs.20, 000/-.
- Final Admission to the University will be based on, meeting of the Eligibility Criteria, Verification of the Documents submitted, Offer Letter received from the University, and Payment of the remaining fees of the 1st Semester within a stipulated date.
- Students who are eligible for taking admission in B.Tech Marine Engineering and B.Sc. Nautical Science will undergo a Medical test as per the criteria of D.G Shipping, Govt. of India.

TNU Students at Ambuja Neotia-Neotec Hub Incubation Program for Industrial Training

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.

Scholarship / Sponsorship Criteria for Students Admission in 2021-22 at TNU / NITMAS

SL. NO.	TYPES OF SCHOLARSHIP	H.S MARKS or JEE RANK		FINANCIAL CONDITION	SPORTS CHAMPIONSHIP	CULTURAL PARTICIPATION	% OF SCHOLARSHIP ON TUITION FEE
1	TEJASVI SCHOLARSHIP	> 95%	WBJEE WITHIN 2500/JEE MAIN WITHIN 10000	ANY	N.A.	N.A.	100%
		> 90 - 95%	WBJEE WITHIN 5000/JEE MAIN WITHIN 30000	- do -	- do -	- do -	75%
		>85 - 90%	WBJEE WITHIN 10000/JEE MAIN WITHIN 50000	- do -	- do -	- do -	50%
		>= 80 - 85%	WBJEE WITHIN 15000/JEE MAIN WITHIN 75000	- do -	- do -	- do -	25%
2	SPORTS SCHOLARSHIP	>= 60%	WBJEE WITHIN 20000/JEE MAIN WITHIN 100000	- do -	STATE / NATIONAL LEVEL PARTICIPANT / CHAMPION	- do -	25%
3	CULTURAL SCHOLARSHIP	>= 60%	WBJEE WITHIN 20000/JEE MAIN WITHIN 100000	- do -	N.A.	STATE / NATIONAL LEVEL PARTICIPANT / CHAMPION	25%
4	SARVODAYA SCHOLARSHIP (in the memory of Late Suresh Kumar Neotia)	>90%	Any Recognised Board / University	Yearly Family Income below 2.5 Lakhs **	- do -	N.A.	100%
		>85 - 90%	- do -	Yearly Family Income below 2.5 Lakhs **	- do -	- do -	75%
		>80 - 85%	- do -	Yearly Family Income below 2.5 Lakhs **	- do -	- do -	50%
		>= 60 to 80%	- do -	Yearly Family Income less than 2.5 Lakhs **	- do -	- do -	25%
5	MERE APNE SCHOLARSHIP (For Ambuja Neotia Group employees in the memory of Late Vinod Kumar Neotia)	>= 60%	- do -	Yearly Family Income less than 5 Lakhs **	- do -	- do -	50%
			- do -	Yearly Family Income more than 5 Lakhs **	- do -	- do -	25%
6	SAHODARYA SCHOLARSHIP (Siblings of all students - present or passed out)	>= 60%	- do -	ANY	- do -	- do -	25%
7	GRAMOTTHAN SCHOLARSHIP (Students from Gram Panchayat area of South 24 Parganas)	>70%	- do -	- do -	- do -	- do -	50%
		60 - 70%	- do -	- do -	- do -	- do -	25%
8	SPECIAL HILL STUDENTS SCHOLARSHIP (Students from GTA Area (W.B), North-East States, Nepal & Bhutan)	>70%	- do -	Yearly Family Income less than 5 Lakhs **	- do -	- do -	50%
		60 - 70%	- do -	Yearly Family Income less than 5 Lakhs **	- do -	- do -	25%
9	Industry Sponsorship (For all B.Tech-Robotics & Automation Students)	>= 60%	N.A.	N.A.	N.A.	N.A.	25%

Note: Scholarship for International Students is Separate.

Conditions Apply. For more details visit **www.tnu.in

COURSES OFFERED

School of Sciences & Technology

- **B.Tech in Robotics and Automation**
  (4 Years)
- **B.Tech in Computer Science and Engineering**
  with specialization in **Cyber Security**
  (4 Years)
- **B.Tech in Computer Science and Engineering**
  with specialization in **Data Science**
  (4 Years)
- **B.Tech in Computer Science and Engineering**
  with specialization in **AI & ML**
  (4 Years)
- **B.Tech in Computer Science and Engineering**
  with specialization in **Embedded Systems and Industrial IOT**
  (4 Years)
- **B.Sc. (Hons.) in Biotechnology**
  (3 Years)
- **M.Tech in Computer Science and Engineering**
  with specialization in **Cyber Security**
  (2 Years)
- **M.Tech in Computer Science and Engineering**
  with specialization in **Data Science**
  (2 Years)
- **M.Tech in Computer Science and Engineering**
  with specialization in **AI & ML**
  (2 Years)
- **M.Sc. in Applied Physics**
  (2 Years)
- **M.Sc. in Applied Mathematics and Computing**
  (2 Years)
- **M.Sc. in Biotechnology**
  (2 Years)

School of Maritime Studies

- ***B.Tech Marine Engineering**
  (4 Years)
- ***B.Sc. Nautical Science**
  (Leads to be the Captain of a ship)
  (3 Years)

School of Humanities, Management & Social Sciences

- **BBA (Hons.)**
  with specialization in **Retail Management**
  (3 Years)
- **BBA (Hons.)**
  with specialization in **Digital Marketing**
  (3 Years)
- **BBA (Hons.)**
  with specialization in **Logistics & Supply Chain Management**
  (3 Years)
- **B.A. (Hons.) in English**
  with Specialization in **Mass Communication**
  (3 Years)
- **B.Com (Hons.)** with Specialization in **Taxation & E-Commerce**
  (3 Years)

School of Pharmacy

- **Bachelor of Pharmacy (B.Pharm)**
  (4 Years)

* Approved by D.G Shipping, Govt of India

School of Health Sciences

- **Bachelor of Physiotherapy (BPT)**
  (4.5 Years)
- **Bachelor of Optometry (B.OPTOM)**
  (4 Years)
- **Bachelor of Medical Laboratory Technology (B.M.L.T)**
  (3.5 Years)
- **B.Sc. Radiology and Medical Imaging Technology**
  (3.5 Years)
- **Bachelor in Hospital Management (BHM)**
  (3 Years)
- **B.Sc. (Hons.) in Applied Psychology**
  (3 Years)
- **M.Sc. in Applied Psychology**
  (2 Years)
- **Master in Hospital Management (MHM)**
  (2 Years)
- **P.G Diploma In Psychological Counseling & Guidance**
  (1 Year)

School of Agriculture & Allied Sciences

- **B.Sc. (Hons.) Agriculture**
  (4 Years)
- **Bachelor of Fisheries Science**
  (4 Years)

School of Hospitality & Culinary Art

- **B.Sc. in Hospitality and Hotel Administration**
  (With Swiss Diploma) (HTMi, Switzerland)
  (3 years)
- **B.Sc. in Hospitality and Hotel Administration**
  (3 Years)
- **B.Sc. in Culinary Art**
  (3 Years)

School of Legal Studies

- **Integrated BBA with LLB (Hons.)**
  (5 Years)
- **Integrated B.A. with LLB (Hons.)**
  (5 Years)

INDUSTRY PARTNERS + INTERNATIONAL COLLABORATIONS

Phi Education Solutions Pvt. Ltd and 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.

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 sighned authorizes BBSMPL to recruit and place students of MRE and BNS on shipping companies.

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.

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.

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.

International Collaboration with The University of Savoie France: Polytech Annecy-Chambéry, France shall encourage the exchange of, professors and research scholars, ongoing education students, research and publication actions, and information of an academic nature.

CHOICE BASED CREDIT SYSTEM (CBCS)

Choice Based Credit System (CBCS) is mandated by University Grants Commission (UGC). It allows flexibility in education system, so that students, depending upon their interests and goals can select inter / intra disciplinary and courses beyond their own domain. This is possible when CBCS an internationally acknowledged system is adopted. It offers opportunities and avenues to explore additional avenues of learning beyond the core subjects for holistic development of an individual. It ensures that a student develop both sides of his mind - the calculative as well as cognitive.

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

Features of Choice Based Credit System (CBCS)

Core - These are courses that must be studied as a core requirement. About 60% to 70% of the total credits are for the Core subjects.

For example, for 'B.Tech in Robotics and Automation' students, 'Object-oriented programming in Python', 'Motors and Sensors' and 'Science of Living Systems' are core subjects.

Departmental Elective - A student gets the opportunity to learn a course that may be very specific or supportive to the departmental programme.

Approximately 15%-25% of total credits are departmental electives.

For example, for B.Tech Computer Science and Engineering (Specialization : Artificial Intelligence and Machine Learning)"students, 'Supervised Learning', 'Unsupervised Learning' and 'Big Data Analytics with Hadoop / Spark' are Departmental Elective subjects.

University General Elective - It covers University wide general elective courses that are open for students to choose from the courses that are offered by other Schools unrelated to the students' departmental programme under study.

About 15% - 20% of total credits are for University General Elective courses.

For example, an engineering student can choose Psychology as his/her General Elective subject.

Course Offered

B.Tech in Robotics and Automation

Duration

4 Years

Eligibility Criteria

12th standard pass with Physics, Mathematics, Chemistry / Computer Science / Biology / Biotechnology / Biochemistry / Computer Application / Technical Vocational subjects with average minimum 60% marks.

B.TECH IN ROBOTICS AND AUTOMATION

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 and Automation 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 engage for design, construction, operation and application of industrial robots, autonomous systems as well as new generation robots like drone, autonomous vehicle etc. The advanced curriculum structure of Robotics and Automation Engineering at The Neotia University is at par with the recent developments in advanced Artificial Intelligence, Machine Learning and Deep Learning, hands-on IOT, Computer Visions, Drone, Autonomous vehicle and more. Hands-on based learning-Hardware development and mini projects are deliver for each curriculum. Students learn how to develop Robots and solve real time Industry problem. The curriculum structure is design by the Industry and Academic Experts. Internship and Industrial visit is part of the Curriculum.

Industry Partnership

The Neotia University (TNU) has collaborated 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 Research Pvt. Ltd. has already offered conditional employment to the first batch of students in TNU's Robotics Engineering Programme.

The Neotia University (TNU) Received Project-Development of "Yantra-I" from MieRobot.

MARIA - Service & Security Robot-
Developed by Robotics and Automation Department, TNU

Career Prospects

The opportunities are enormous in the field of Robotics and Automation Engineering in both government and private sectors. Robots are utilized in different fields such as military, nuclear power plants, agricultural, manufacturing, health-care, and more. A Professional with relevant degree in Robotic and Automation Engineering can choose to work in these industries as Robotics Programmer, Robotics System Engineer, Robot Design Engineer, Automated Product Design Engineer, Robotics Test Engineer, Automation System Engineers, Project Managers, and more. The engineers can also opt for technician jobs in multinational automation companies. Robotics Engineers who have expertise in the field of automation can also become a scientist where they can use different use cases to design the robotics system and invent some new specifications for enhancement of automation. Graduates may also opt for higher studies (M. Tech / MS)and subsequently pursue research work and Ph.D. in this domain. They can also become a Professor in top IITs, NITs, IIITs, Universities and renowned institutions where they can use their knowledge and expertise to educate the students about the advancements in automation. Some of the top recruiters in India are, Indian Space Research Organisation (ISRO), Bharat Heavy Electricals Limited (BHEL), Defence Research and Development Organisation (DRDO), Indian Institutes of Technology (IIT), Bhabha Atomic Research Centre (BARC), Precision Automation & Robotics India Ltd.

"The Robotics and Automation Department received the Award - Outstanding Initiative of the Year in Robotics and Best Academic Innovative Curriculum (for Higher Education Category) under Centre, State or Private University providing Advance Technology Education from all India Council for Robotics and Automation, New Delhi."

Department Highlights

25% Industry Sponsorship on Tuition Fee for all B.Tech- Robotics & Automation Students.

Award and Recognition

- Awarded Most Emerging University in Robotics Education under Center, State or Private University providing advance technology education by All India Council for Robotics and Automation, at IIT, Delhi in 2019.
- Dr. Ankush Ghosh, HOD, Robotics awarded as Elite Academician by AICTE, DST, TI & IIMB in 2019.
- Student of this Department received best paper award in the International Conference on Computing, Power and Communication Technologies 2019.
- 4 projects selected in qualifying round: INTEL Higher Education Challenge, 2017 and received instruments ($400) from INTEL for developing prototypes.
- 1 project selected in Semi-final 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.
- Patent, Journals and Book chapters published by the faculty members.

Well-Equipped Lab Facility

Robots including 6 Axis pick and place Robot, SCARA, X-Y Plotter, Mobile robots, IOT project tools, Quadcopter, Humanoid and more are accessible in the Departmental lab.

Research Facility

- Research grade RTOS instruments, Advance IOT instruments and a 3D printer available for R&D.
- Implemented AI automation system in Departmental Robotics lab.
- Advanced Artificial Intelligence and Machine Learning lab accessible for doing research.
- Ph.D students doing research in the Department.
- Opportunity for UG students to publish research papers in international journals and conferences.

Futuristic Innovation and Incubation Centre

- Assigned projects are international level innovative projects.
- Developed MARIA-a service cum security robot.
- Developed a Drone for service and security application.
- Development of PUSPAK –a driverless vehicle is under progress.

Training, Projects, Internships & Higher Studies

- Mini projects in each Semester from 2nd year.
- Mandatory Industrial Training in 3rd year (KUKA, Siemens).
- Internship opportunity for final year students.

Courses Offered

B.Tech in Computer Science & Engineering with specialization in Cyber Security / Data Science / AI & ML / Embedded Systems and Industrial IOT

Duration

4 Years

Eligibility Criteria

12th standard pass with Physics, Mathematics, Chemistry / Computer Science / Biology / Biotechnology / Biochemistry / Computer Application / Technical Vocational subjects with average minimum 60% marks.

B.TECH IN CSE
(CYBER SECURITY / DATA SCIENCE / AI & ML / EMBEDDED SYSTEMS AND INDUSTRIAL IOT)

Computer Science and Engineering seems to have become the most popular course in this century for engineering aspirants. Currently B.Tech Computer Science Engineering is one of the top courses in India that attract lakhs of students every year. B.Tech Computer Science and Engineering at The Neotia University (TNU) is designed with specializations in several important and emerging areas such as, Cyber Security, Data Science, Artificial Intelligence (AI) and Machine Learning (ML), Embedded Systems & Industrial Internet of Things (IOT) that will help students to gain knowledge and become industry ready for jobs in top Corporates. The curriculum structure is design by the academicians from Indian Statistical Institute (ISI), Jadavpur University, University of Calcutta and industrial experts from Tata Consultancy Services (TCS), Centre for Development of Advanced Computing (CDAC). The state of the art Computer Labs are well equipped with advance software. Internship and Industrial visit is part of the Curriculum. Students are encouraged to publish journals and articles regularly in National and International platforms.

Specialization in Cyber Security

Cyber Security, also referred to as IT security, emphasizes on safeguarding computers, programs, networks, and data from unlicensed or spontaneous access.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. The frequency and intensity of cyber scams and crimes have increased over the last decade, resulting in huge losses for businesses. As incidents of cybercrimes increased significantly, businesses worldwide channelled their spending on advanced information security technologies to strengthen their in- house security infrastructure.

Specialization in Data Science

Data Science is an advance technology, which demands coding, mathematics, statistics and some of the skills such as machine learning, data mining and visualization. Data scientists are professionals who can simplify big data through coding and algorithms and turn it into a problem-solving solution for the business. Data scientists operate between the business and IT worlds and drive industries by analysing complex datasets to tease out insights that companies can leverage into actions. With rising investment in research and development, technological advances are occurring rapidly.

Specialization in Artificial Intelligence & Machine Learning (AI & ML)

AI has now penetrated in all the horizons of service sector. There is rarely any field which is untouched by Artificial Intelligence and it is the life force behind ground-breaking digital technologies and innovations. This specialisation is designed to enable students to build intelligent machines, software, or applications with a cutting-edge combination of machine learning and visualisation technologies.

Specialization in Embedded Systems and Industrial IOT

An Embedded System is an electronic or computer system that is designed to control, access the data in electronics based systems. There are several diverse areas in which embedded systems are changing lives forever, and defining how humans would interact with machines. Applications of embedded systems are applicable in areas like space, communication, transportation, robotic systems, home appliances and highly evolved security systems for protection and storage of data. The Industrial IOT represents a variety of IOT applications, smart product design principles, and data-driven automation practices in the industrial sector of economy. On a larger scale, the Industrial IOT is a key element of Industry 4.0 or smart factory, trend of automation, which brings together modern cloud computing, and AI to create intelligent, self-optimizing industrial equipment and facilities.

Career Prospects

Specialization in Cyber Security

Cyber Security is one of the fastest-growing industries, and cyber security skills are in high demand across different verticals. Once students have the education and qualifications, the jobs are waiting - now and in the future. After completion of the Computer Science & Engineering with specialization in Cyber Security course, students will be able to work as information security officer, forensic computer analyst, information security analyst, security architect, security engineering security systems administrators and IT security.

Specialization in Data Science

Data Science is a highly flexible discipline finding its way into all industries. Data science without any doubt is one of the 21st century's most challenging careers. Important applications of Data Science are in Healthcare, Banking, Manufacturing, E-commerce, Fraud and Risk Detection, Image and Speech Recognition and Education. The demand for data scientists and their salaries have been growing particularly for a decade. Data Scientist, Data Engineer, Data Architect, Data Administrator, Data Analyst, Business Analyst, Data / Analytics Manager, Business Intelligence Manager are among the prominent Data Scientist job titles. Entrepreneurship can also be a good career option for the pass outs.

Specialization in Artificial Intelligence & Machine Learning (AI & ML)

Engineers are in high demand because they harness the power of AI and ML to provide solutions to applications like diagnosis of diseases, image processing, real time personalization, speech recognition, fraud detection and many more. Students have ample of job opportunities in this field. Some demanding job positions include Machine Learning Engineer, Data Scientist, Business Intelligence Developer, Research Scientists, AI engineer and Robotics Scientist.Entrepreneurship can also be a good career option for the graduates.

Specialization in Embedded Systems and Industrial IOT

Embedded Systems and Industrial IOT has endless opportunities in terms of growth and research as parallel technologies such as wireless communication and Artificial Intelligence keep growing, Embedded Systems & AI will witness a complete overhaul in coming years. The growth of the IOT industry is driven by factors such as technological advancements in semiconductor and electronic devices, increased use of cloud computing platforms, standardization of IPv6, and support from governments of different countries for R&D activities related to IOT. Once the graduates have the required education and qualifications, jobs are awaiting them. The job roles are Embedded Engineer, Sensor and Actuator Professional, Designer, IOT Technology Architect, IOT Testing Specialist and many more.

The importance of B.Tech in Computer Science and Engineering with specialization in Cyber Security, Data Science, Artificial Intelligence and Machine Learning, Embedded Systems and Industrial IOT is growing day by day and going to provide huge opportunities in employment, research and entrepreneurship in near future. Graduates can pursue M.Tech at various Universities / Institutes in the above specializations as the demand in these areas shall keep increasing.

M.TECH IN CSE
(CYBER SECURITY / DATA SCIENCE / AI & ML)

M.Tech in Computer Science and Engineering is offered with choice based specialization in Cyber Security / Data Science / AI and ML that has acquire widespread acceptance and adoption among Enterprise business applications and research community. The curriculum structure is designed by the academicians from Indian Statistical Institute (ISI), Jadavpur University and industrial experts from Tata Consultancy Services (TCS), Centre for Development of Advanced Computing (CDAC). The state of the art Computer Labs are well equipped with least software tools that provide students with practical skills. Internships and Research Projects in various private and government organizations is part of the curriculum. Students will have the opportunities to be engaged in full time projects with real life applications, in various research institute like, ISRO, DRDO, CDAC, ISI, University of Calcutta, Jadavpur University, NITs or in companies inside and outside West Bengal. Publications in National and International Journals will be a regular practise of the students of these programmes. Benefit from Case Studies, Simulations, Virtual Labs & Remote Labs allow learners to apply concepts to simulated and real-world situations. The Dissertation enables students to apply concepts and techniques learnt during the programme. Frequent Workshops, Technical Events, Guest Lectures enable students to upgrade their knowledge and skills.

Specialization in Cyber Security

The technological growth, the internet, and availability and sharing of information have tremendously increased information threats to organizations and individuals making it a challenge for users and system administrators to preserve security. Cyber Security is attracting many organizations and professionals due to need for monitoring and maintaining data and network from cyber threats. Due to the requirement of sophisticated knowledge and tools to keep systems secure, there is a big need in India and around the world for security professionals who are well educated about the various aspects of security. The main objective of this program is to train students to become information security professionals for the high-end jobs in security industry. The programme is strategically designed to provide hands-on experience on prevention, detection and recovery tools to safeguard the confidential information. The students experience and learn the most recent tools and techniques which are being used by professionals. Plans to have some modules taught by experts from industry.

Specialization in Data Science

Data Science is one of the emerging fields in India, and the scope for securing employment in diverse fields is high. Data Science is gaining prominence in academia and industry. Data science witnessing applications in diverse research disciplines. Introduction to this program opens up several new opportunities in science and engineering research. The current curriculum covers areas that prepares a student for most lucrative careers in the space of Data Science, Data Engineering and Advanced Analytics. The programme provides extensive knowledge on most popular data science techniques.

Specialization in Artificial Intelligence & Machine Learning (AI & ML)

AI & ML are two of the very close and fastest growing fields in contemporary scenario. The major goals of AI & ML are to achieve success in knowledge reasoning planning, machine learning, and natural language processing and computer vision. The program focuses on training students to become critical thinkers and analytical experts in research and industry. It also aims in inculcating innovative learning exercises of data engineering, data visualization, feature engineering, model fitting and reasoning. The program is designed to mould and encourage students to reason with data and build models that predict the future outcomes. Expose students to the most recent developments in the area of Data Cleaning, Data Visualization, Machine Learning Models, Artificial Intelligence and their utilization in industry and research. This program will provide students advanced theoretical as well as practical knowledge of the fundamentals of Artificial Intelligence and Machine Learning and its applications in daily life.

Courses Offered

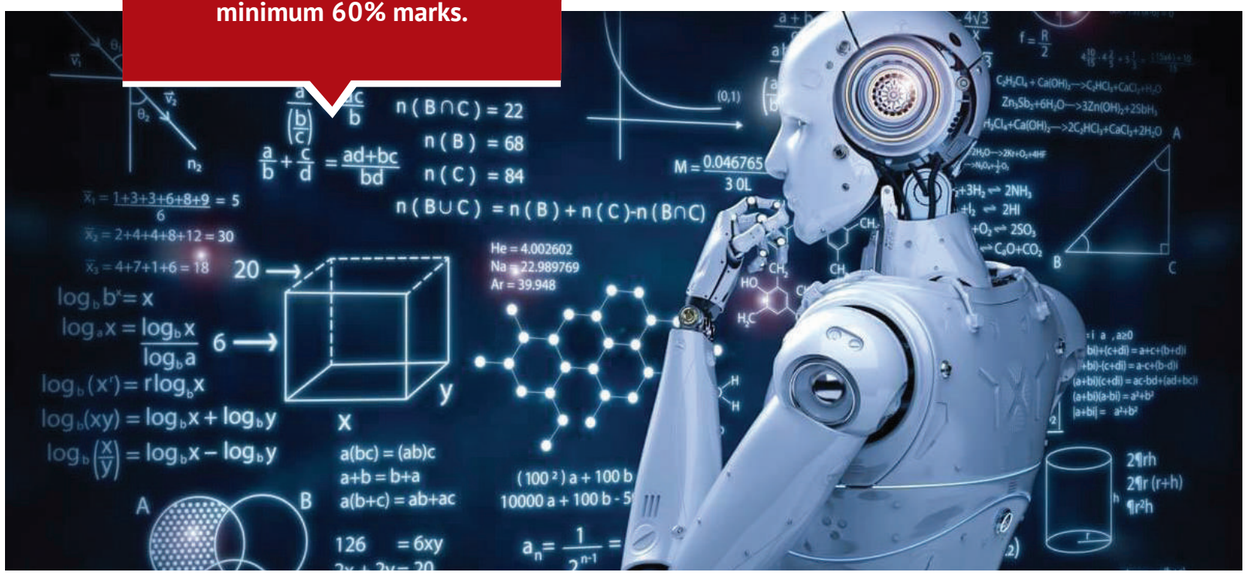
M.Tech in Computer Science & Engineering with specialization in Cyber Security / Data Science / AI & ML

Duration

2 Years

Eligibility Criteria

B.Tech / B.E in Computer Science & Engineering (CSE), Information Technology (IT), Electronics & Communication Engineering (ECE), Electrical Engineering (EE) and Robotics Engineering with minimum 60% marks.



Career Prospects

Specialization in Cyber Security

On completion of this program successfully, the graduates can easily apply for the high-pay job roles in various organizations working on Systems Security, Computer Systems Design field, Network Security and more. The students can avail plenty of prospective job opportunities such as - Cyber Security Architect, Security Application Programmer, Security Analyst, Chief Information Security Officer (CISO), Penetration Tester, Network Security Engineer, Security Researcher and more. Postgraduates shall find opportunities in renowned MNCs and public sectors like DRDO, CDAC, ISRO. The candidates can pursue Ph.D. or move into the field of research in India or abroad. The scope in research is much higher. Students can also apply for a job of Assistant Professor in IITs, NITs, IIITs, government / private Universities and engineering institutes.

Specialization in Data Science

Data Scientist positions are new roles where industry is looking for trained resources. There is a perceivable large gap between the number of opportunities and the trained resources. For a professional who's already doing a job, then it may be a bit tricky to switch to a job as a Data Scientist. A better option is that they can leave job to pursue a Master's professionally. This will give students more time to understand Data Science in depth and then apply for jobs when they are ready. The power of a Master's degree in Data Science is the setting pathways for students to be a leader in that field. Govt. of India and Private sectors are providing lots of endorsements and thrust in the areas of Data Science. The Postgraduates in M.Tech will find themselves identifying cutting edge research opportunities at various Research Laboratories as well as several industries which are currently involved in this field. The candidates can find many job opportunities in abroad as well. The candidates can pursue Ph.D. or move into the field of research in India or abroad. The scope in research is much higher. Students can also apply for a job of Assistant Professor in IITs, NITs, IIITs, government / private Universities and engineering institutes.

Specialization in Artificial Intelligence & Machine Learning (AI & ML)

On completion of this programme Students can opt for jobs in numerous sectors and can easily get jobs as a AI Engineer, Game Programmer, Software Developer, Robotics Engineer, Machine Learning Researchers, Machine Learning Engineer, Software Engineer (Machine Learning). Research opportunities also exist at various public and private industries including reputed MNCs and various research institutes. The candidates can pursue Ph.D. or move into the field of research in India or abroad. The scope in research is much higher. Students can also apply for a job of Assistant Professor in IITs, NITs, IIITs, government / private Universities and engineering institutes.

M.Tech Programmes in Cyber Security, Data Science, Artificial Intelligence and Machine Learning will equip the students with the necessary skills to work with the cutting edge technologies in industries on one hand and pursue high-end researches in premium Universities / Institutes in India and abroad on the other. Research opportunities are growing day by day for these three emerging specialized fields and it will continue. The scope will be there also to pursue Ph.D. at Universities / Institutes to become eligible for a Professor job in University / Institute or as a Scientist in Research organizations.

Courses Offered

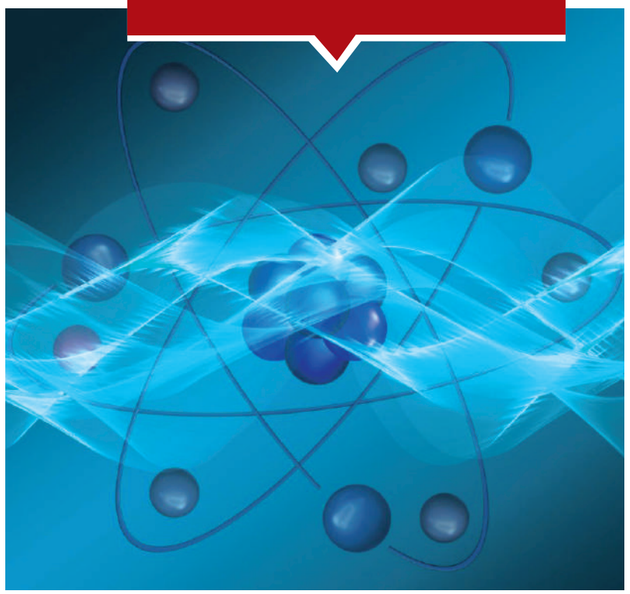
M.Sc. in Applied Physics
(Proposed For 2021-22 Onwards)

Duration

2 Years

Eligibility Criteria

Graduate in Physics or relevant subject with minimum 55% marks.



M.SC. IN APPLIED PHYSICS

M.Sc. in Applied Physics is an interdisciplinary area of study drawing on talents from Physics, Chemistry, Biology, Mathematics and Computer Science. The course will cover all-important parts of Materials, which students and practicing engineers should know. The course shall address both theoretical and practical aspects of Applied Physics with a specialized branch of advanced Nanotechnology, Quantum Computing, Medical Radiology, Condensed Matter. The platform includes mainly device Physics, Material Engineering, Mechanical Engineering, Chemical Engineering, Biological Engineering, Interface and Colloid Science, Applied Physics, Nutritional Science, Pharmaceutical Science and many others.Internships programs at various IITs and NITs, IT and Banking Sectors is part of the curriculum. Faculty members are experienced in both Academic and Industry. Industrial experts visit the campus, to train students in research and industrial opportunities.

Career Prospects

M.Sc. in Applied Physics is a degree that can open up many career doors for students interested in a wide range of applications. Many companies and organizations in today's life are looking for specialized and expert Physicists to get a better outcome in the specified field of innovation. Post Graduates in M.Sc. in Applied Physics can join as Trainee Scientist or as Scientific Officer at Bhabha Atomic Research Centre (BARC), Indian Space Research Organisation (ISRO), Indian Oil Corporation (IOCL), Oil and Natural Gas Corporation (ONGC), National Atmospheric Research Laboratory of Department of Space (NARLDS), Atomic Research Centre (ARC) and in various equivalent research Institutes. They may pursue higher studies in M.Phil./ Ph.D. program in India and abroad as Junior Research Fellow (JRF) through The Graduate Aptitude Test in Engineering (GATE), The National Eligibility Test (NET), Joint Entrance Screening Test (JEST), Research Entrance Test (RET) etc., which will help to get more knowledge, experience, and higher job roles. Ph.D Job opportunities in the research and development domain of Information Technology sector, Pharmaceutical Companies, Government Hospitals, Medical Research Labs, Environment Protection Companies, Defence Services is ample. Postgraduates may also join as College Lecturer or Professor through College Service Commission or Assistant Teacher through School Service Commission.

Courses Offered

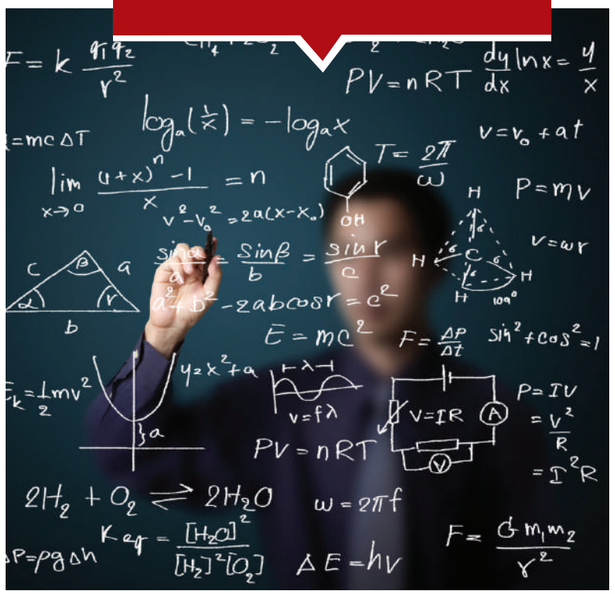
M.Sc. in Applied Mathematics and Computing
(Proposed For 2021-22 Onwards)

Duration

2 Years

Eligibility Criteria

Graduate with Maths / Statistics / BCA / B.Sc. CS / B.Sc. IT / B.Sc.- Data Science and having minimum 55% marks.



M.SC. IN APPLIED MATHEMATICS AND COMPUTING

M.Sc. Applied Mathematics and Computing programme is design with an outright emphasis on mathematics, numerical methods and scientific computation covering theoretical, computational and practical aspects to resolve various problems that arise in industry and business, with an emphasis on developing computable solutions. The core mathematics courses is aimed at building a strong foundation in the subject, the laboratory-based subjects give the exposure and training in application-oriented practical subjects specially on computing. Internships programs at various IITs and NITs, IT and Banking Sectors is part of the curriculum. Faculty members are experienced in both Academic and Industry. Industrial experts visit the campus, to train students in research and industrial opportunities.

Career Prospects

M.Sc. in Applied Mathematics and Computing program, in particular, the physical applied areas and the theory and implementation of numerical methods and algorithms have wide-ranging applications in both the public and private sectors. This program shall prepare Students for Careers in Data Science. Thus the subject of Computational Mathematics has become increasingly prominent. Postgraduates in Applied Mathematics and Computing can work in a multitude of challenged and rapidly adapting industries of science and technology, finance and banking to businesses and health care. Skills like problem-solving, decision making, and critical thinking are highly preferable for a candidate in the present era. The Course can lead to two distinct career directions: academia or industry. There is always an opportunity for teaching and research jobs along with a wide range of scope in various industry-related jobs in statistics, engineering, physical science, computer science, financial journalism, banking, insurance, and economics. Postgraduates can acquire various job opportunities as a Meteorologist, Data Scientist, Research Scientist, Cloud Computing Architect, Software Developer, Actuarial Analyst, Data Analyst, Financial Analyst, and so on. Postgraduates may pursue a Ph.D. program which will help to get more knowledge, experience, and higher job roles.

Courses Offered

- B.Sc. (Hons.) in Biotechnology
- M.Sc. in Biotechnology

Duration

3 Years for B.Sc. (Hons.)

2 Years for M.Sc.

Eligibility Criteria

For B.Sc. (Hons.)- 12th standard pass with science stream having minimum average 60% marks (average in 3 science subjects).

For M.Sc.- Passed graduation with any of the Life Science subjects (Botany, Zoology, Microbiology, Biotechnology, Biochemistry), B.Sc. in Agricultural Sciences with minimum 55% marks.

B.SC. (HONS.) IN BIOTECHNOLOGY

All over the world, Biotech organizations have worked relentlessly and developed vaccines against SARS-Cov2, causal organism for the current Covid-19 pandemic. India is the biggest producer of Covid vaccine by virtue of Indian biotech companies like Serum Institute, Pune and Bharat Biotech, Hyderabad. These organizations are playing a pivotal role in production and supply of vaccines for several countries of the world and thereby saving millions of lives. Another biotech organization, Dr. Reddy's Laboratories, Hyderabad is also playing an important role in the production of several lifesaving medicines in this context of the current pandemic situation, including an oral antiviral drug along with DRDO.

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-medicinal and non-medicinal 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.

Career Prospects

Be a Biotechnologist and 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.
- Energy biotech in the form of biofuel is helping to figh 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 C02 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 in crease
- Bioinformatics deals with bio-IT services, which covers computational biology, computational chemistry, genetic sequencing etc.

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.

As the global population grows, scientists look to biotechnologists for solutions to various problems like adequate food, infant mortality and sustainable agriculture.

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 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).

As the current pandemic situation, has caused the most significant impact in peoples life all over the world, the importance of studying Biotechnology and job opportunities in this sector is ever growing making it the most suitable career choice for young individuals.

Top Ten Indian Biotech Giants:

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

Graduates can also opt for alternative career options like, Medical Writing (Technical Copy Writing), Scientific Journalism, Healthcare Informatics, Data Science & Big Data Analytics, Product Marketing & Management, Technical Sales, FAS & Business Development, Market Research & Consulting, Intellectual Property & Patent Law and Entrepreneurship.

M.Sc. degree is a qualification for doing Ph.D. with a handsome research fellowship.

Department Highlights

Awards & Recognitions

- Biotechnology department at The Neotia University (TNU) is the oldest established department of Biotechnology in West Bengal, skilling students for the last 16 years.
- Research Grant funded by SERB, DST, Govt. Of India recognizing outstanding Research Profile of the Faculty of the Department.
- Dr. Prosun Tribedi, Assistant Professor, Biotechnology Dept. at TNU Received externally funded Research Grants exploring Microbial Biotechnology for the Sustainable Promotion of the Environment.
- Dr. Tribedi, published 40 Articles in International peer-reviewed reputed journals including book chapters, making the Department Internationally recognized in the context of Research Spectrum. Five publications, individually has crossed 100 citations.
- Students are encouraged to publish Articles in reputed journals; they have published their dissertation observations in International peer-reviewed journals.
- Ongoing research project under able supervision andsponsored by Department of Science & Technology (DST), Govt of India.
- The department has delivered the first Ph.D candidate in the University, and is training many more.
- Ms. Drishti Mukherjee received an all India level 'Sachha Sarathi Award' from the Principal Scientific Advisor, GOI in dealing with chronic waste management, under the 'Waste to Wealth' initiative.

Internship Programs & Industrial Visit

Internship Programme and Projects under the Expert Guidance, is part of the Curriculum. Students complete their Internship at top notch Institutions like,

- 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. Serum Institute of India, Pune
- Albert David limited, Kolkata, West Bengal, and more.

Research & Grants

- Research Grant funded by SERB, DST, Govt. Of India recognizing outstanding Research Profile of the Faculty of the Department.
- Dr. Prosun Tribedi received a young scientist research grant entitled "Strategy development for the applications of biofertilizers into the soil to increase the soil fertility": An efficient way to substitute the hazardous chemical fertilizer application sanctioned by SERB, DST, Govt. of India. Sanction amount: INR 23,20,145).

B.TECH MARINE ENGINEERING

D.G. Shipping, Government of India, Approved

Courses Offered

B.Tech Marine Engineering (MRE)

Duration

4 Years

Eligibility Criteria

12th standard pass with Physics, Chemistry & Mathematics with at least 60% marks.
50% in English in Class-10 or Class-12 final examination.
Clearing Medical Test as per D.G Shipping, GOI.
A valid passport is required during admission.
Maximum age limit - 25 Years.

Marine engineering is the field of study that deals with the design, development, production and maintenance of the equipment used at sea and on board sea vessels like boats, ships etc. The B.Tech in Marine Engineering course is the study of the complex principles and practices involved in the running and maintenance of marine machineries. The technical responsibilities of a marine engineer includes the operation and preservation of the main propulsion engines, auxiliary engines for electrical power generation, boilers, refrigeration and air-conditioning equipment, varieties of pumps and associated electrical and mechanical auxiliaries, cargo gears and deck machineries, 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 essence of MRE is that it requires the application of fundamental concepts of Mechanical, Electrical, Electronics, Chemical, Metallurgical, Instrumentation and Automation engineering under arduous conditions prevailing at sea.

B.Tech in Marine Engineering at The Neotia University (TNU) follows the syllabus in excess of that as prescribed by the Directorate General of Shipping, Government of India, covering the areas pertaining to ship construction, naval architecture, machine drawing and design of marine machineries, and more. Students are provided with mandatory Internship Programme and Industrial Training, as part of the course curriculum, along with experience certificate on completion of the training program from the various ports.

TNU is also one of the few University in Eastern India that can boast of an in-house high-tech Ship-in-Campus of its size, the ship building which is in working condition consist 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 novel infrastructure facility, built in compliance with international standards house original ship equipment in order to give budding Marine Engineers a hands-on experience on various machineries, of what a naval career entails.

Main Engine bottom platform inside Ship in Campus

Career Prospects

Marine Engineering graduates find challenging job opportunities in national and international shipping companies. The young professionals begin their careers as Engine Cadets or Junior Engineers on board foreign flag ships, with a salary of 2500 US dollar, which is equivalent to Rs.1, 80, 000/- per month. Junior Engineers rise to the coveted level of Chief Engineer, with a salary of 20,000 US dollar, which is equivalent to Rs.15,00, 000/- per month, on clearing the competency-examinations conducted by the Directorate General of Shipping, in accordance with the Convention of Merchant Shipping Rules 2014 ,Standards of Training for Certification and Watch keeping (i.e. STCW-2010) of the International Maritime Organization, i.e. the specialized maritime agency of the United Nations.

Marine Engineer officer can work in numerous shipping companies located around the world. On gaining higher qualifications and experience on board much scope emerges to work ashore in the many professional jobs that exist in shipping industry, such as Technical Superintendent in shipping company, Marine surveying, Maritime law and Insurance, Shipbroker etc. A marine engineer can opt for different types of vessels, depending upon his/her background training and expertise, which can be categorised to Foreign going dry vessels, Foreign going tanker vessels (oil, gas, chemical etc), Coastal trading dry and tanker ships, Passenger vessels, Dynamic position vessels, Offshore platforms and ships, Port assisting boats and ship (Tugs, barges etc).

With the opening up of Inland Waterways and Coastal Shipping and recently held Maritime India Summit 2021, Marine Engineering is a sunrise career as it has a lot of potential now and in future. The increase in the employment opportunities in this field has added to the lure of a job as a marine engineer. In addition to this, various manufacturing industries and units that produce shipping equipment and machines also hire these professionals to work in their production houses.

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, Dynacom Tankers. Etc.

Industry Partnership MRE and BNS

K-Ship

DESTAN SHIP MANAGEMENT PVT LTD

Blue Bird Shipping Management Pvt.Ltd. RPSL –KOL– 006

The Neotia University (TNU) has signed MoU with K-Ship Management, Destan Ship Management Private Limited, and Blue Bird Shipping Management Private Limited, which authorize them to recruit and place students of MRE and BNS on shipping companies.

Engine Room inside Ship in Campus

B.SC. NAUTICAL SCIENCE
(LEADS TO BE THE CAPTAIN OF A SHIP)

B.Sc Nautical Science is a multidisciplinary subject, comprising of science, mathematics and physical training, that deals with techniques and knowledge involved in navigating and operating a ship safely from one port to another. Its study is a balanced combination of theoretical and practical training. The technicalities and intricacies of the work involved in this field can only be excelled if one has the right amount of knowledge and experience in the field. 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.

Bachelor in Nautical Science at The Neotia University (TNU) follows the syllabus in excess of that as prescribed by the Directorate General of Shipping, Government of India, which includes Navigation, Cargo work and Marine Command, Environmental Studies, Voyage Plan, Collision, Maritime Law, Control System, Seamanship, Ship Stability, Collision Prevention and Ship Operation Technology, propulsion, and meteorology, to name a few. Faculty members have decades of experience both in academics as well as industry, and have an in-depth understanding of shipboard responsibilities.

D.G. Shipping, Government of India, Approved

Courses Offered

B.Sc. Nautical Science (BNS)

Duration

3 Years

Eligibility Criteria

12th standard pass with Physics, Chemistry & Mathematics with at least 60% marks.
50% in English in Class-10 or Class-12 final examination.
Clearing Medical Test as per D.G Shipping, GOI.
A valid passport is required during admission.
Maximum age limit - 25 Years.

Bridge Simulator

To turn students into successful shipboard officers, the University has adopted a unique approach that builds a strong knowledge base. Students are given the skills with which to apply this knowledge in a shipboard environment and are inculcated with sense of discipline, team spirit and the right attitude for achieving success. In addition, Students are provided with mandatory Internship Programme and Industrial Training, as part of the course curriculum, along with experience certificate on completion of the training program from the various ports.

To intimately acquaint students with the rigours of the marine environment, the University is equipped with a high end latest Bridge Simulator that can be used to deliver a realistic rendering of the ship board environment. This novel infrastructure facility, built in compliance with international standards house original ship equipment in order to give budding Nautical Science cadets a hands-on experience of what a naval career entails.

Today discipline, team spirit, a well-rounded personality and professional pride are prerequisites for a successful merchant navy officer. To groom its students for excellence in this context, the University maintains the requisite disciplinary regime, requires participation in both team and individual sports, fosters cultural interests and pursues a curriculum committed to a holistic education. Students are continually evaluated along all these dimensions.

Career Prospects

Upon completion of a 3-year Nautical Science degree course, one year sailing as a Deck Cadet, one will progress to a Third Officer, Second Officer, a Chief Officer and ultimately the Captain of a ship.

As a Deck Officer, one will progress along the chosen career path, moving up the ranks by periodically undergoing competency examinations conducted by the Directorate General of Shipping, Government of India, 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. In addition to taking certain modular and preparatory courses, one will need to acquire minimum stipulated amount of sea service time before appearing for the examinations. From the rank of Deck Cadet with promotions come substantial improvements in remuneration. It takes about 8 years for a Third Officer to get promoted to the rank of Captain, depending on individual capabilities and the job opportunities available The Captain of a ship receives about 20,000 USD on LNG Ships, which is equivalent to Rs.15,00, 000/- per month, based on their qualifying the relevant examinations.

It is common for Deck Officers to retire from sea service well before the traditional retirement age. They are then able to find numerous opportunities ashore with shipping companies and other organisations for providing services to the shipping and other allied industry. The other jobs are like becoming a Marine lawyer, a Shipbroker, Planner in Container companies, and Marine Pilot in various ports of the world, Marine lawyers as advisors to judges or fight cases on their own.

Draught surveyors in various companies in India and abroad. Marine Superintendents of various shipping companies. Safety and quality inspectors of various shipping companies. Auditors of companies and classification societies.Compass adjuster in various Indian ports. P & I correspondents for carrying out investigation of damage/accidents to ships, cargo. Can carry on further studies in Indian Maritime University, Chennai or World Maritime University, Malmo, Sweden and do research. Can get jobs in IMB and MSC of the International Maritime Organization, London (which is under the UNO). Faculty in various Colleges in India, Gulf countries, UK, Singapore, Australia.

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, Dynacom Tankers. etc.

> *"90% of our 2019 & 2020 pass out batch students of Marine Engineering & Nautical Science have been placed in Destan Ship Management Pvt. Ltd., Apeejey Shipping, MOL, Mercator, ONGC& Ocean Sparkle."*

Nautical Science Cadets

Courses Offered

- **B.Sc. in Hospitality and Hotel Administration (with Swiss Diploma) (HTMi, Switzerland)**
- **B.Sc. in Hospitality and Hotel Administration**
- **B.Sc. in Culinary Art**

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 and 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.

HTMi Campus in Switzerland

B.SC. IN HOSPITALITY AND HOTEL ADMINISTRATION

(WITH SWISS DIPLOMA) (HTMi, SWITZERLAND)

(WITHOUT SWISS DIPLOMA) (HTMi, SWITZERLAND)

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 Art. 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 and Taj Group for managing and operating its 5-star properties.

Hotel Management is one of the most popular choice of courses in India. This is because the career opportunities after hotel management or hospitality courses are limitless like starting as a Management Trainee in branded five star luxury hotels, motels, restaurants, clubs, resorts, airlines, cruise lines, in the domestic as well the international market. This makes it a valuable course for any student who has the skills and knowledge required to succeed in the hotel industry.

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 ART

A degree in Culinary Art 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 art.

Career Prospects

Students can get KET (Kitchen Executive Trainee), Operation Trainee and can reach the level of Sous Chef, Executive Chef, Corporate Chef, Chef Director etc. Other than these Students get job through Airlines, Cruise lines, Railways, Defence and even in Government sector. We teach our students about Entrepreneurship so that in future they can establish their own venture also.

SHCA Students at Kitchen Lab Session

Department Highlights

Awards and Recognition

- Tanmay Kayal, achieved the 'Best Trainee Award' for outstanding performance during the specialization training in Food & Beverage at The Lalit Great Eastern, Kolkata.
- Srilekha Ghosh, achieved the 'Best Trainee Award' for exceptional performance during the specialization training in Front Office respectively at The Lalit Great Eastern, Kolkata.
- Huang Yi Wa, received star Intern Certificate for her performance and dedication during the industrial training at Novotel Hotel & Residences, Kolkata.
- Vishal Singh, was applauded by Taj Bengal, Kolkata for his dedication and commitment during his industrial training.
- Gourab Mondal, received appreciation for his outstanding performance during his industrial training at Le Meridien Jaipur, and Star Intern Certificate during his specialization training at Novotel Hotel & Residences, Kolkata.
- Ritmalya Sahu, and Nazim Molla, awarded certificate of appreciation for their outstanding contribution during their training at Sheraton Grand, Chennai.
- Sagnik Roy, received certificate of appreciation during his industrial training at hotel Raajkutir Swabhumi, Kolkata.
- Sheniyo Guha, achieved the 2nd runner-up position in Chef Competition (dessert section) at "AMIPHORIA".
- Deputy Director, SHCA, Mr. Rupam Ghosh got the honor to judge a cocktail competition organized by very famous Indian restaurant chain Company ' Barbeque Nation'.
- Chef Atin Das of SHCA, is a regular judge in the TV show 'Rannaghar' of Zee Bangla.
- Students organized 'Bongo Byonjon', Bengali food festival.

Industrial Visit and Internship Programme

SHCA students undergo one General Internship and one Specialization Internship as part of their curriculum at the leading hotels like The Oberoi Grand, Kolkata, Sheraton Grand Chennai Resort & Spa, Chennai, Swissotel, Kolkata, The Lalit Great Eastern, Kolkata, ITC Royal Bengal, Kolkata, Taj Bengal, Kolkata to name a few.

Placements

Students of SHCA have been placed in the brands like, MAYFAIR Hotels and Resorts, Swissotel-Kolkata, Taj Bengal-Kolkata, Taj Krishna- Hyderabad, The Park-Kolkata, Hyatt Regency-Kolkata, The Lalit Great Eastern, Kolkata, Raajkutir Swabhumi, Kolkata, AltAir Boutique Hotel, Kolkata, and many more.

Guest-Lectures and Workshops

- Molecular Gastronomy and European Cuisine - Chef Andreas Kurfurst- International Celebrity Chef.
- Continental Cuisine - Chef Asish Rout, Executive Chef, Swissotel, Kolkata.
- Road to Success in Hospitality - Mr. Pratik Rajgarhia - Operation Manager, Jumeirah Hotels and Resorts, Dubai.
- Scope of Hospitality - Ms. Isha Thapa by Manager L & D, Oberoi Grand, Kolkata.

Course Offered

B.Sc. (Hons.) Agriculture

Duration

4 Years

Eligibility Criteria

12th standard pass with Physics, Chemistry & Biology / Maths / Vocational subjects with minimum 55% marks.

B.SC. (HONS.) AGRICULTURE

Agriculture, with its allied sectors, is undeniably the largest livelihood provider in India, more so in the vast rural areas. It also contributes a significant figure to the Gross Domestic Product (GDP). Sustainable agriculture, in terms of food security, rural employment, and environmentally sustainable technologies such as soil conservation, sustainable natural resource management and biodiversity protection, are essential for holistic rural development. Indian agriculture and allied activities have contributed towards green revolution, white revolution, yellow revolution and a blue revolution.

Agriculture with its allied fields such as animal husbandry, fishery provides lucrative job opportunities along with food security of the nation. Agriculture along with horticulture, floriculture, animal husbandry, fisheries and dairy technology provides a strategic framework for innovation-led inclusive agricultural growth in the country.

The Neotia University (TNU) is the First Private University in W.B to offer ICAR guided B.Sc. (Hons.) Agriculture 4-years course. Sixty acre campus with poly house, net house, aquaponics unit, meteorological observatory and developed experimental field & labs (agronomy, soil science, horticulture, genetics & plant breeding, entomology, agriculture extension, agriculture engineering, etc.) to conduct live projects and research opportunities to students. The University follows strict ICAR course curriculum along with well maintained laboratories, equipment's and course wise practical manuals as a part of quality education. The curriculum is based on experiential learning through rural agriculture work, internship programme, industrial training and live projects. Farm workshop is well equipped with tractor, power-tiller and equipment required for mechanized farming and conducting practical classes. The Agriculture unit has started construction / development of plant tissue culture unit, plant pathology lab, food science lab, agri-biotech lab, geo-informatics & precision agriculture lab, mushroom unit, sericulture unit, crop cafeteria, farmers meeting point, mulberry garden, vegetable garden, floriculture garden, indigenous & exotic fruit orchards, land shaping models, field laboratory, biogas plant, compost & vermicompost unit, open & covered threshing floor, etc.

Agriculture Students during Field Work

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. Candidates can also look out for state level exams for vacancies in Assistant Agricultural Officer, Agricultural Officer, Seed Officer, and other such posts. Moreover, there are large number of local, national and international private business organizations, manufacturers, export houses, FPOs 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, Rallies India Ltd (TATA), Nuziveedu Seeds Ltd. Monsanto, National Agro Industries, Panseeds, Pepsico, Godrej Agrovet LTD, Ravi Hybrid Seeds Pvt Ltd.

Graduates can pursue higher studies in Masters in Agriculture through various agriculture entrance exams like ICAR PG, UPCATET, CMAFFU, and several others. Colleges and Universities conduct entrance exams once a year to enrol aspiring students in the PG courses. Students of agricultural can also opt to become entrepreneurs.

There is abundant scope abound for candidates after B.Sc Agriculture. The purpose of education is to empower individuals that ultimately leads to collective betterment of society as a whole. Agriculture is one of the basic fields on which humanity survives, it is needed that bright young minds shed their inhibitions, critically analyse their options, and join this field.

> *"The Agriculture Department comprises more than 700 Students along experienced and qualified faculty members with Student: Teacher ratio of 15:1."*

Department Highlights

- The department of Agriculture has prepared the agricultural land inside the Campus to cultivate and harvest rice in the kharif season. Students and faculty members of the department were involved in the process for 135 days.
- The department cultivated and harvested green vegetables like, cabbage, cauliflower, broccoli, radish, spinach, amaranthus, knolkhol, and more, and sold them to the TNU campus residents.
- Students cultivated sunflower and maize crop as part of their practical work during the Rabi season.
- Students received the IASc-INSA-NASI Summer Research Fellowship for two months in Amity University, Noida in 2020.
- Student of Bachelor of Fisheries Science department participated in a poster representation in a national seminar on the effect of corona virus in fishery sector.
- The department of Agriculture as part of Industry (IFFCO) Academic Collaboration is conducting a field trial to study response of maize to application of nano-ferilizers.
- The department as part of CSIR-CIMAP Aroma Mission conducted a Farmer-Scientist Interaction Meet at TNU Campus with participation of scientists of CSIR-CIMAP, Lucknow in which 120 farmers from West Bengal participated.
- The department as part of CSIR-CIMAP Aroma Mission supplied free of cost planting materials of menthol mint / vetiver grass to 14 farmers of South 24 parganas district, West Bengal.
- Students of the Agriculture department visited Meghna Dairy as a part of practical course of Livestock Production and Management under the guidance of Dr.Nitish Modak and Dr. Debasish Mondal.

Guest-Lectures and Workshops

- The department conducted a National Webinar to commemorate the "WORLD DNA DAY" on 25th April 2021. Prof. Saikat Gantait, Genetics & Plant Breeding, BCKV delivered a talk on "DNA Double Helix - from Revelation to Relevance" Students and faculty members of the University participated in the programme.
- The Fisheries Science Department Celebrated "World Fisheries Day" on 21st November, 2020.
- Webinar on "Advanced strategies for the management of coastal agriculture" included four premier research institutions of Indian Council of Agriculture Research.
- Tapas Kumar Das, from the Division of Agronomy, Indian Agriculture Research Institute, New Delhi, delivered a talk on "Conservation Agriculture - Impact on Productivity, Profitability and Resource utilization Efficiency" on 24th February 2020.
- Sailendra Nath Biswas, Joint Director Fisheries (Retired), Government of West Bengal delivered a talk on 'Overview of Status of Fisheries in West Bengal - Opportunities and Challenges with Reference to the Prospects of Fisheries Students" on 24th February 2020.

Course Offered

Bachelor of Fisheries Science

Duration

4 Years

Eligibility Criteria

12th standard pass with Physics, Chemistry & Biology / Maths / Vocational subjects with minimum 55% marks.

BACHELOR OF FISHERIES SCIENCE

Fishing in India is a major industry employing 14.5 million people. India ranks second in aquaculture and third in fisheries production. Fisheries contributes to 1.07% of the Total GDP of India. West Bengal is a major fish producing state of India with highest per capita consumption. Fisheries are next to agriculture in terms of providing employment and food supply.

The Neotia University (TNU) offers ICAR guided Bachelor of Fisheries Science course. 60-acre campus with several ponds in TNU provide students with practical training, research and development opportunities. The course curriculum, laboratories, equipment and practical manuals is as prescribed by ICAR. As part of the curriculum, students field visit includes, coastal areas through fishing vessels, sampling in rivers and reservoirs or estuaries, aqua farms, hatcheries and fish processing plants. Final year students complete their internships and training programme in READY (Rural and Entrepreneurship Awareness Development Yojana); Fish Processing or in Aquaculture.

Career Prospects

The employment opportunities for B. F. Sc. graduates are available in the government as well as private sector. In the government sector, more opportunities are available like Assistant Directors, Assistant Fisheries Development Officer (AFDO)/Fisheries Extension Officer (FEO) and Fisheries Development Officer (FDO). In State Fisheries Development Corporations and co-operated societies, have different posts available as, Managers, Project Officers, Production Manager, Farm Manager, Fisheries Officers and more. In Fish Farmers Development Agency (FFDA) and Brackish water Farmers Development Agency (BFDA), opportunities are Executive Officers in respective states. In nationalized as well as private banks, different posts are available like Manager, Assistant Development Officer, Rural Development Officer, Field Extension Officer and Agriculture Field Officer. Fisheries graduates can also get job in central agencies like as Aquaculture Assistants, Lab Assistant, Technical Officers in Marine Product Export Development Authority (MPEDA) Export Inspection Agency (EIA), Coastal Aquaculture Authority of India (CAA), Food Safety and Standards Authority of India (FSSAI) and as Technical Officers in Fisheries Survey of India (FSI), National Institute of Oceanography (NIO), Indian National Centre for Ocean and Information Services (INCOIS).

Graduates can apply for Research Projects or pursue higher studies in Master of Fisheries Science (M.F.Sc). Fisheries graduates can also start their own enterprise as an entrepreneur like aquarium business, aqua-Shoppe, fish breeding center, shrimp farming, fish farming, cage culture, fish processing, fish drying, packing, cold storage, cold chain enterprise or may involve in export-import activity in national as well international market.

Fish Processing Factory

Courses Offered

Bachelor of Pharmacy (B.Pharm)

Duration

4 Years

Eligibility Criteria

12th standard pass with Physics, Chemistry, Biology / Maths with at least 60% marks.

BACHELOR OF PHARMACY (B.PHARM)

Bachelor of Pharmacy (B.Pharm) course of the School of Pharmacy at The Neotia University is approved by the Pharmacy Council of India (PCI), New Delhi and recognize by the Govt. of West Bengal. With qualified experts' association from the multinational Pharma companies, Research organizations and Drug Regulatory bodies boosts the academic curriculum with high-end skill, knowledge and training are the added advantage of the students. The faculty members have expertise knowledge and skills in academic and industry. Internship programme and Industrial training is part of the curriculum. National model for interaction with technocrats across the country to advance the knowledge and training is a strong incentive for graduating Pharmacy students to practice after completion of the course.

The School strives not only to provide quality education and training in Pharmaceutical Sciences but also to establish itself in research leading to Ph.D. in Pharmacy and provides an ideal platform for the overall development of highly competent Pharmacy professionals.

Career Prospects

Pharmacy graduates have an important role, can earn attractive remuneration, and can occupy various strategic positions both in India and abroad. Graduates can join the unit of production and manufacturing of drugs and pharmaceuticals, biotechnological products, surgical dressings, medical devices, equipments and more. They can also join the regulatory bodies as drug inspector, drug analysts, drug controller of state and finally drug controller of India. Pharmaceutical giants to handle sensitive analytical dealings and equipment recruit highly skilled Pharmacy graduates.

Graduates have a high demand in research, development and formulation of new drugs, clinical trials and toxicological studies. They can pursue higher studies in Pharmacy, Master of Pharmacy (M.Pharm) and then a Ph.D. The Pharmaceuticals sales and marketing is considered a highly technical arena and hence one of thebest when it comes to perks. Graduates can also start their own Pharma business.

Research Work at Pharmaceutical Lab

"The Department received a Grant of Rs. 55000/- from the University sponsored Research Project Scheme under TNU for Research by Prof. (Dr.) Malay Kumar Samanta as the Principal Investigator."

Courses Offered

Bachelor of Physiotherapy (BPT)

Duration

4.5 Years

Eligibility Criteria

12th standard pass with Physics, Chemistry, Biology with at least 55% marks.

Physiotherapy Session

BACHELOR OF PHYSIOTHERAPY (BPT)

Physiotherapy is the branch of science that deals with the cure, prevention and rehabilitation of the challenged and physically disabled people. Physiotherapy is consider as one of the ancient sciences to cure people through physical practices. A physiotherapist in India is called a doctor and uses 'Dr' as a suffix. This independent health profession is a non-surgical process that is aim at reducing pain, restoring functionality and improving the movement of the affected part of a patient's body. The practice of Physiotherapy is concerned with the function of different body systems and is devoted to the movement sciences. Increase in life span has made Bachelor In Physiotherapy (BPT) a prospective Course.

Bachelor in Physiotherapy (BPT) at The Neotia University (TNU) train students with complete clinical knowledge and the underlying principle behind all the clinical modalities performed for the patients. The course curriculum is designed by academic and industry experts to get students jobs in top-notch hospitals to restore physical function of patients or open their own Physiotherapy Centre. The Department is well equipped with state of the art laboratory facilities like Electro Therapy Lab, Exercise Therapy Lab that provide students with hand on training and experience. Industrial experts, academicians, doctors and hospital personnel visit the campus, to train students in research and industrial opportunities.

Career Prospects

Progress in medical science and rapid urbanisation has made B.Sc. in Physiotherapy a prospective course. All Hospitals and Wellness Institutions employ physiotherapists to restore physical function of patients. Therefore, the demand for good physiotherapists is rising. 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. There is a good salary scope for physiotherapists in the various fields. Highly qualified physiotherapists can also start their own clinic and attend to their patients' needs.

Courses Offered

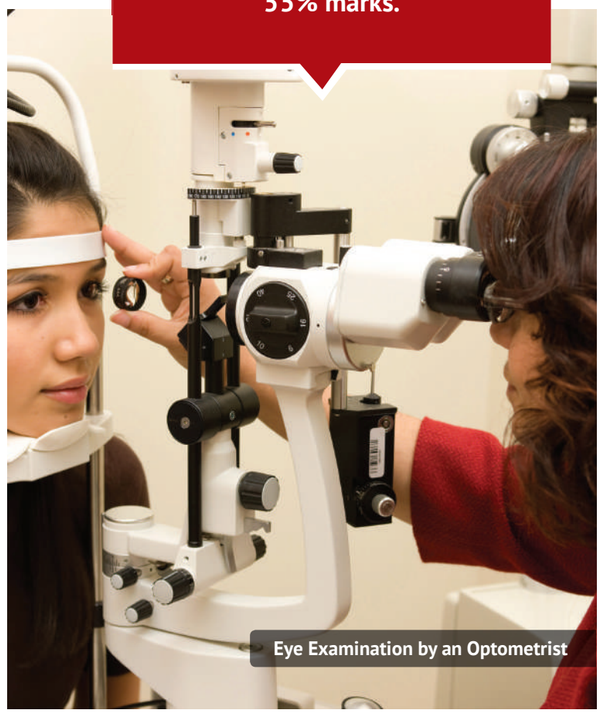
Bachelor of Optometry (B.OPTOM)

Duration

4 Years

Eligibility Criteria

12th standard pass with Physics, Chemistry, Biology/ Mathematics subjects with minimum 55% marks.



Eye Examination by an Optometrist

BACHELOR OF OPTOMETRY (B.OPTOM)

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. Indian Optometrists have large scope of work and well recognized in abroad.

Bachelor of Optometry (B.OPTOM) at The Neotia University (TNU) is design to skill students on the intricacies of vision and different aspects and connections, to get jobs in top-notch hospitals, practice privately or open dispensing outlets. The course curriculum designed by industry experts and academic stalwarts, is practical based that includes Clinical observer ship from first year, maintaining Clinical Log Book during Internship and submission of Clinical projects and case report in the final year. 12-month Internship programme at renowned eye hospitals and retail optical chains is part of the curriculum.

The Department is equipped with state of the art laboratory facilities like Health Sciences Lab with Human Cadavers, Clinical Lab and Eye Dissection facility using Bull's Eyes. The department is planning to extend the lab facility with various specialty labs in contact lens, binocular vision, low vision rehabilitation and dispensing optics lab.

Industrial experts, academicians, doctors and hospital personnel visit the campus, to train students in research and industrial opportunities.

Career Prospects

Graduates may work as an independent practitioner in their own clinic with an optical dispensing section or as an Optometrist in a Group Practice (with Ophthalmologists/ Optometrists). Students shall have many opportunities in Eye Hospitals or Eye Department of a Multi-Specialty Hospitals as a Primary-Care Optometrist, Specialty-Care Optometrist, and Diagnostic Procedure Expert. Optical Chains like GKB, Titan Eye+, Himalaya Optical, Lawrence & Mayo, Vision Express, Specs-Makers, seek optometrists, executives, and research and development experts in their outlets. Students can also work as a research scientist in vision sciences, educator in schools/colleges of optometry or work with NGOs engaged in healthcare or blindness prevention.

Graduates may opt for higher studies leading to M.S. (Optometry) and Ph.D, PG Diploma or Fellowships in specialty optometric areas.

Optometry Graduates are well-recognize in abroad, they may pursue higher studies and research in various Universities in Europe, America and Australia to name a few.

Courses Offered

Bachelor in Hospital Management (BHM)

Duration

3 Years

Eligibility Criteria

12th standard pass with any stream at least 50% marks.

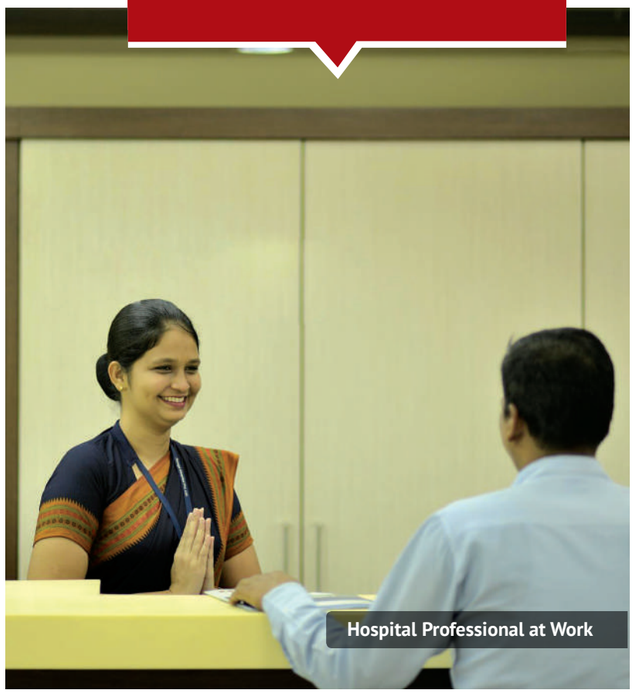
BACHELOR IN HOSPITAL MANAGEMENT (BHM)

Bachelor in Hospital Management (BHM) train students in leadership, management and administrative roles in hospitals, hospital networks and healthcare systems.The Course curriculum is design by Academic and Industry experts. Internship and Training program at various Managerial and Administrative division of Hospitals is mandatory. Industrial experts, academicians, doctors and hospital personnel visit the campus, to train students in research and industrial opportunities.

Career Prospects

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 Mediplus, diagnostic centres in Kolkata. Thus, increasing employment opportunities for the graduates.

Hospitals employs a graduate of Bachelor in Hospital Management (BHM) in the areas of administration, facility-floor management, sales and marketing, centre management, associate professor, teacher or instructor, with an average salary of Rs.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 centre and more. Some of the top Hospitals graduates can 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 and Child Care Centre. Aspirants can also opt for entrepreneurial ventures in their own hospital firm.



Hospital Professional at Work

Courses Offered

Master in Hospital Management (MHM) (Proposed For 2021-2 Onwards)

Duration

2 Years

Eligibility Criteria

Graduate in any subject with minimum 55% marks.

MASTER IN HOSPITAL MANAGEMENT (MHM)

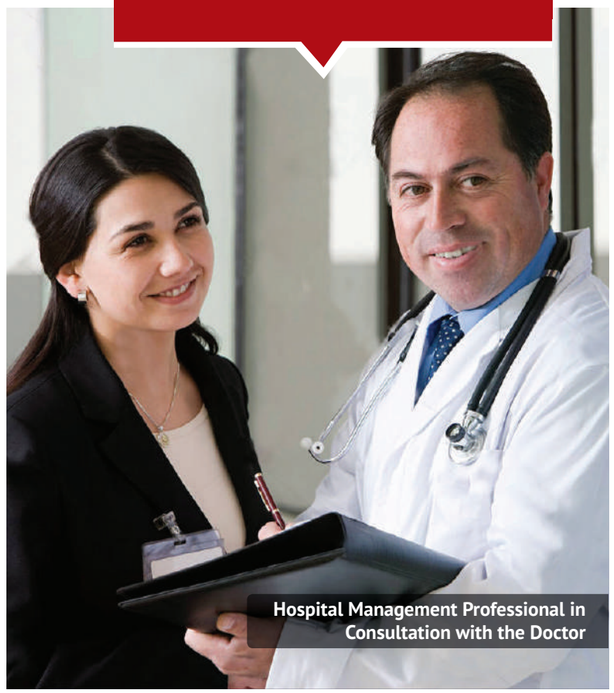
Healthcare has become one of India's largest sector, both in terms of revenue and employment. The expected healthcare market size in India estimated to be US$ 372 billion or INR: 26992320000000.00 (as per 20/3/2021, 1 USD= 72.56 INR) by 2022. (Ref. Source: www.ibef.org).

Master in Hospital Management (MHM) at The Neotia University (TNU) train students in Managerial and Administrative roles including ethical and leadership skills, critical thinking, decision-making, and relationship building with team, staff and patients in Hospitals and in Healthcare Institute. Healthcare comprises hospitals, medical devices, clinical trials, outsourcing, telemedicine, medical tourism, health insurance and medical equipment. The Course curriculum design by Academic and Industry experts cover conceptual and quantitative skills needed by future managers in high performing contemporary hospitals. Case based industry knowledge along with mandatory Industrial training and Internship programs at various Hospitals and Healthcare institutes is part of the curriculum. Industrial experts, academicians, doctors, and hospital personnel visit the campus, to train students in research and industrial opportunities. Hospitals organises campus placement drive to select the deserving students.

Career Prospects

Ambuja Neotia operates, The Bhagirathi Neotia Woman & Child Care Centre, several branches of the infertility treatment unit Genome-The Fertility Centre spread across West Bengal and neighboring states, the multispecialty hospital, Neotia Getwel Healthcare Centre in Siliguri and outlets of Neotia Mediplus, diagnostic centres in Kolkata, thus providing training and employment opportunities for the Students.

Master in Hospital Management (MHM) is a job-oriented program. Postgraduates shall have equal opportunities in getting jobs in Private Hospital and Government Hospitals. Presently, need for personnel's like, Assistant Superintendent (Non- Medical / Medical), Hospital Managers, Project Managers in District Health Programs, is need of the hour. Post Graduates shall also have many opportunities in the field of Medical Tourism, Telemedicine, and Health Insurance or in different projects of International organisations like WHO, UNICEF, and more.



Hospital Management Professional in Consultation with the Doctor

Courses Offered

Bachelor of Medical Laboratory Technology (B.M.L.T)

Duration

3.5 Years

Eligibility Criteria

12th Standard pass with Physics, Chemistry, Biology with at least 55% marks.

BACHELOR OF MEDICAL LABORATORY TECHNOLOGY (B.M.L.T)

Bachelor in Medical Laboratory Technology (B.M.L.T) is one of the largest and impoverished fields in the modern healthcare industry. With the advancement of medical science, the physician requires the help of medical laboratories and skilled employees for the treatment of rapidly growing diseases.

B.M.L.T at The Neotia University (TNU) is a graduate medical lab technologist program of 3.5 years, focused on specialty areas along with mandatory Training and Internship programs at various Laboratory division of Hospitals. The Course Curriculum is design by Academic and Industry experts. The Department is equipped with state of the art laboratory facilities like Human Anatomy Lab, Human Physiology Lab, Clinical Biochemistry Lab, Clinical Hematology Lab, Microbiology Lab, Pharmacology Lab, Histopathology Lab, Computer Lab, and more. Students and faculty members are engaged in research, projects and in publishing papers in the International peer-reviewed Journals.Industrial experts, academicians, doctors and hospital personnel visit the campus, to train students in research and industrial opportunities.

Career Prospects

Ambuja Neotia operates the Bhagirathi Neotia Woman & Child Care Centre, several branches of the infertility treatment unit at Genome - The Fertility Centre, West Bengal and neighboring States, multispecialty hospitals, Neotia Getwel Healthcare Centre in Siliguri and outlets of Neotia Mediplus, diagnostic Centres in Kolkata. Thus, increasing employment opportunities for the graduates.

Medical technologists are an integral part of the medical profession. These professionals are involved in the practical and technical work for proper diagnosis and effective functioning of biochemical laboratories. With the development in the private sector, these days there are so many private hospitals, nursing homes, blood banks, pathology laboratories etc. Demand for laboratory technologist is on the up-swing, they can also work as lab manager, consultant, supervisor, health care administrator, hospital outreach coordination, laboratory information system analyst, consultant, educational consultant, coordinator etc.

Professional at a Medical Lab

Courses Offered

B.Sc. Radiology and Medical Imaging Technology (Proposed For 2021-2 Onwards)

Duration

3.5 years

Eligibility Criteria

12th standard pass with Physics, Chemistry, Biology / Mathematics subjects with minimum 55% marks.

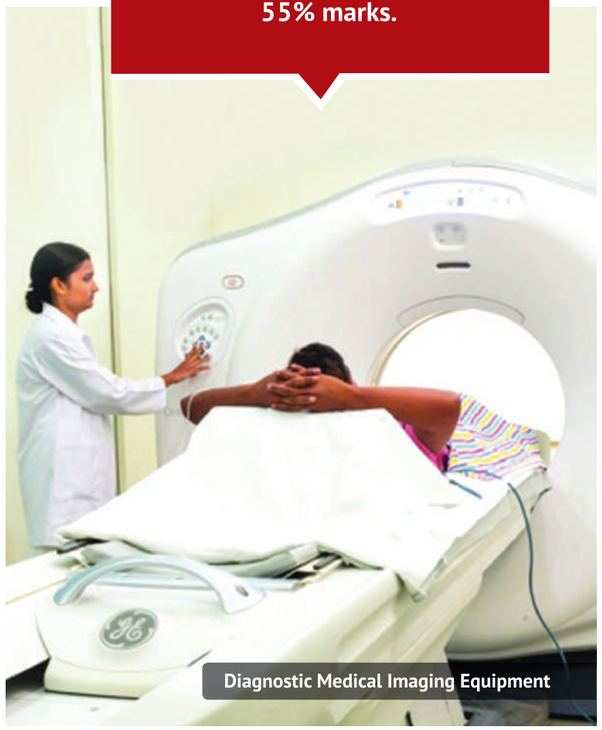
B.SC. RADIOLOGY AND MEDICAL IMAGING TECHNOLOGY

The global health market is expected to witness exponential growth from both the demand and supply sides of the ecosystem, and we must focus on making a technology-enabled healthcare ecosystem the backbone to aid India in solving many of its existing healthcare challenges.

B.Sc. Radiology and Medical Imaging Technology at The Neotia University (TNU) shall train the students to become expert imaging technologists in medical field and enable them to independently manage and operate all the equipment's available in the field ofradio-diagnosis and imaging, and assist the medical practitioners in the proper diagnosis of diseases, with minimum radiation hazards and quality patient care. The Course Curriculum is design by Academic and Industry experts. Internship and Training program at various Radiology and Medical Imaging division of Hospitals is mandatory. The Department is equipped with state of the art laboratory facilities. Industrial experts, academicians, doctors and hospital personnel visit the campus, to train students in research and industrial opportunities.

Career Prospects

The career and job opportunities in the field of radiography are very extensive. In the recent time, with the development in technologies and medical science, the demand of radiographers has increased creating a wide scope in radiology. In India, the radiographers can work both in private & government hospitals. Numbers of jobs are available on part time and full-time work. After completing your Graduates of this program shall work as Radiation Safety Officer, Application Specialist, Technical Supervisor, Medical Advisor, Medical Image Analysis Scientist, Radiographer, MRI Technologist, CT Scan Technologist, Ultrasound Technician/ Diagnostic Medical Sonographer, Imaging Research Manager, X-Ray Technologist, Area Sales Manager, Marketing Executive, Clinical Sales Specialist, Professor and Researcher. The employment prospects for radiographers are vast, both within the country and in overseas.



Diagnostic Medical Imaging Equipment

Courses Offered

B.Sc. (Hons.) in Applied Psychology

Duration

3 Years

Eligibility Criteria

12th pass in any stream with minimum 50% marks.

B.SC. (HONS.) IN APPLIED PSYCHOLOGY

Psychology is the study of human behaviour. Applied psychology is a field that focuses on putting scientific methods, theories and principals of psychology in to practical use. The major perspectives of applied psychology are behavioural, biological, humanistic, psychodynamic, and cognitive. There are a number of disciplines under the field of applied psychology that includes Clinical Psychology, Developmental Psychology, Evolutionary Psychology, Neuro-Psychology, Educational Psychology, Counselling Psychology, Health Psychology, Industrial and Organizational Psychology, Forensic Psychology, Sports Psychology, etc.

B.Sc. in Applied Psychology at The Neotia University (TNU) is a 3-year graduate course. Faculty members are Ph.D holders with Clinical Psychologist license from RCI (Rehabilitation Council of India). The course curriculum is design by Industry and Academic experts that includes the multi-media approach i.e., Psychological Testing and Assessment, Case Studies, Workshops, Self-learning, Counselling Sessions, Assignments, and more. Internship at the psychiatric divisions of top private and government hospitals is part of the curriculum. Students participate in numerous Conferences, Workshops and Submit Papers in International Forums, where they receive the Best Paper Award.

Career Prospects

Due to more demand in health care centres, hospitals, mental health centres, social health services and schools will lead to the growth of employment in psychology sector. Applied Psychology graduates have a vast range of career options. They can easily find jobs in private and government sectors. Psychologist mostly taken up for jobs in various universities, colleges & schools, hospitals, clinics, government agencies, etc. as Clinical Psychologists, Industrial-Organizational Psychologists, Counsellors, Genetics Counsellors, Forensic Psychologists, School Psychologists, Sports Psychologists, Special Education Teachers, Consultant, Art Therapist, utilising tools that include personality assessments, interest inventories, and a host of other evaluation measures.Graduates may pursue postgraduate course in psychology, which will help to get more knowledge, experience, and a higher job roles.

Department Highlights

- The third batch of Applied Psychology, 15 PG students (BATCH 2018-2020) were selected among 1000 applicants from all over India for one month training at NIMHANS on November, 2019. End of their course they had an examination in which all of them received more than 85% marks evaluated by NIMHANS.
- Two students of first Batch of Post Graduate students (2016-2018) successfully doing their M Phil course at PGIBAMS, Raipur. End of the Semester-2, they are holding two top positions of the college. Remaining one student is working as a counselor in a reputed Higher Secondary School.
- The next batch of Post Graduate students (2017-2019), among 7 students, 4 students have already cleared written examination of the entrance test for M Phil conducted by University of Calcutta, and waiting for their last lap of entrance. 1student cleared June, 2019, UGC-NET and also got a prestigious job as a student counsellor at Vellore Institute of Technology (VIT). One of the students has applied for her Doctorate Degree at Canada and waiting for her result.

Courses Offered

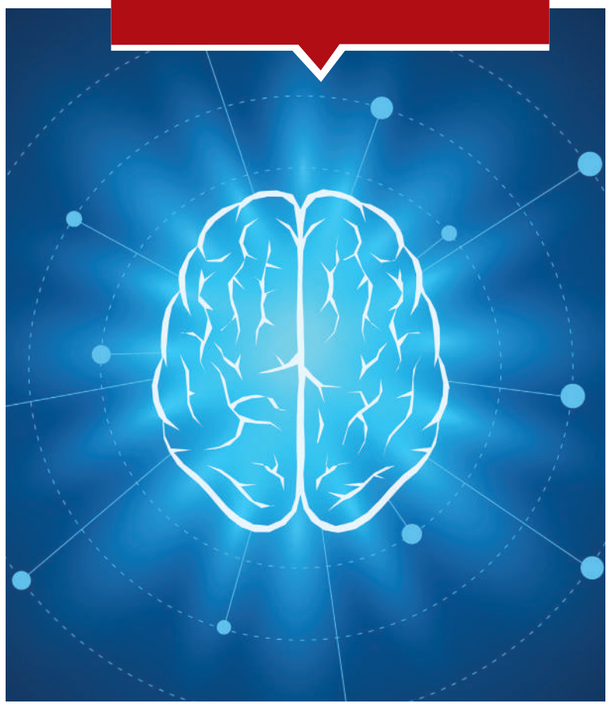
M.Sc. in Applied Psychology

Duration

2 Years

Eligibility Criteria

Graduate with Psychology and having a minimum of 55% marks.



M.SC. IN APPLIED PSYCHOLOGY

M.Sc. in Applied Psychology is a 2-year Post Graduate course with specialization in Clinical and Industrial or Organizational Psychology. Post-Graduation syllabus is at par with UGC NET or various M Phil Entrance test. Internship programme at NIMHANS, Bangalore and Child development Centre of Apollo Gleneagles Hospital in Kolkata is a regular feature at The Neotia University (TNU) and part of the Curriculum.Students participate in numerous Conferences, Workshops and Submit Papers in International Forums, where they receive the Best Paper Award.

Industrial Experts visit the Campus, to interact with students and train them for the research and industrial opportunities. Students are guided for M.Phil. and Ph.D. Programme. Post Graduates are either working in top-notch organizations in psychiatric division or pursuing higher education from India and Abroad.

Career Prospects

With the increase in the aging population, mental-health problems, physical problems the need of psychologist is increasing. Applied Psychology postgraduates have a vast range of career options. With a master's degree in clinical psychology, post graduatescan practice psychotherapy in limited situations while those with a degree in an experimental psychology area can instead opt to focus on a research-oriented career. Post graduates shall have ample opportunities to work in the speciality areas such as developmental specialist, drug and alcohol specialist, rehabilitation expert, human resources analyst, vocational rehabilitation provider, self-reliance specialist and more. A master's degree in psychology also serves as an excellent preparation for careers outside of psychology. A solid background in research and statistics might also qualify you to work in areas such as market research, human resources manager, public relations representative, employee trainer, project manager and more. Post Graduates may pursue M.Phill & Ph.D courses in psychology, which will help to get more knowledge, experience, and a higher job roles. The compensation and salaries for these individual jobs are specific and depend largely on the skill-set they have built and the experience in the industry.

Courses Offered

P.G. Diploma in Psychological Counseling & Guidance
(Proposed For 2021-22 Onwards)

Duration

1 year

Eligibility Criteria

Graduate in any subject with a minimum of 55% marks.

P.G DIPLOMA IN PSYCHOLOGICAL COUNSELING & GUIDANCE

The Post Graduate Diploma in Psychological Counseling & Guidance aims to counsel and guide the young generation for defining their career path ahead. It also help to develop understanding and competencies required to counsel students especially in their adolescence. The answer to such problems lies in the fields of counseling psychology which is not only an important branch of Psychology but, infects, deal with the application of psychological principles as well as therapeutic techniques in combination.

Post Graduate Diploma in Psychological Counseling & Guidance at The Neotia University (TNU) is a 1-year full-time Diploma course designed for professionals who need a basic understanding of the discipline of psychology and counseling skills as value addition for their respective jobs. Students learn theoretical knowledge, ethical reasoning principles, research methods, and recent development in guidance and counseling. The course curriculum is design by Industry and Academic experts that includes the multi-media approach i.e., Self-learning, Counseling Sessions, Workshop, Assignments, etc. The department has state of the art laboratories for practical sessions in counseling. Faculty members are Ph.D holders with Clinical Psychologist license from RCI (Rehabilitation Council of India). Individuals completing this course is consider eligible and equipped for the post of Counselor or Counseling Psychologist (in case of Master in Psychology).

Career Prospects

The programme is of special relevance to school teachers, counselors, NGO workers, and parents etc. to make the individuals aware of his/her inherent potential, interests, talent and capabilities. Counselors are a pre-requisite for each educational institution (schools & colleges), hospitals, health, rehabilitation and social welfare departments of the Central and State Government, Corporate Sectors, training Industry, Non-Governmental Organizations, and National and State Level Commission for Women & Children. Doctors, mental health professionals, teachers, human resource managers, social workers, corporate mentors, to name a few, will benefit by being more effective in their chosen profession. The job industry is huge; students can work in a School, College, Universities, NGOs, or set up their own private clinic. There is a good salary scope in the various fields. Students can also pursue higher studies.

Courses Offered

B.A. (Hons.) in English with Specialization in Mass Communication

Duration

3 years

Eligibility Criteria

12th Standard pass in any stream with a minimum of 50% marks.

Television Journalist

B.A. (HONS.) IN ENGLISH WITH SPECIALIZATION IN MASS COMMUNICATION

BA (Hons.) in English with specialization in Mass Communication offered by The Neotia University is the only course offered in Bengal that prepares graduating students for an Industry-based job. The course is offered with a specialization in Mass Communication as a Vocational Elective, to provide students with exposure to the Industry in addition to those who want to pursue higher Academics. Thus, the course has an extra edge in comparison to similar programmes offered by other Universities. There are two exit points, for the students of this course – Industry (jobs) & Higher Academics and Research.

The faculty members of the English department are highly qualified with expertise knowledge and skills in academic and industry. Industry experts and academic stalwarts design the course curriculum. Internship programme and Industrial training is part of the curriculum. In this course, the University 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).

The department also provides a Ph.D programme in English with research scholars pursuing Ph.D from the department.

Career Prospects

The course offers multiple choices in choosing a career, with a variety of job options in Media and Communication sector as well as in Academics. The University aims at developing the professional skills of students who opt for B.A (Hons.) English by adding Mass Communication, to provide that added professional edge. In private sector, possibilities for the graduates lie in Media houses (Print & Electronic media), Publishing houses, Television and Radio channels, Marketing Organizations, Communication Agencies, to name a few.
In public sector, opportunities may include jobs in various Governmental Agencies under Information and Broadcasting Ministry, Press Council of India, Directorate of Advertising and Visual Publicity, Press Information Bureau, Doordarshan and All India Radio. Graduates in these sectors can work as a Television Reporter, Television or Newspaper Journalist, Digital Copywriter, Public Relation Officer or Relationship Manager, Proofreader, Content Writer, Editorial Manager, Web-Content Manager, Social-Media Manager, Script Writer, TV Anchor, to name a few. The professional in these fields are earning high remunerations. Graduates can pursue a Master's degree programme. The can also join academic institutes to work as a secondary school teacher or English as a foreign language teacher.

BBA (HONS.) WITH SPECIALIZATION IN RETAIL MANAGEMENT / DIGITAL MARKETING / LOGISTICS & SUPPLY CHAIN MANAGEMENT

Courses Offered

BBA (Hons.) with specialization in Retail Management / Digital Marketing / Logistics & Supply Chain Management

Duration

3 years

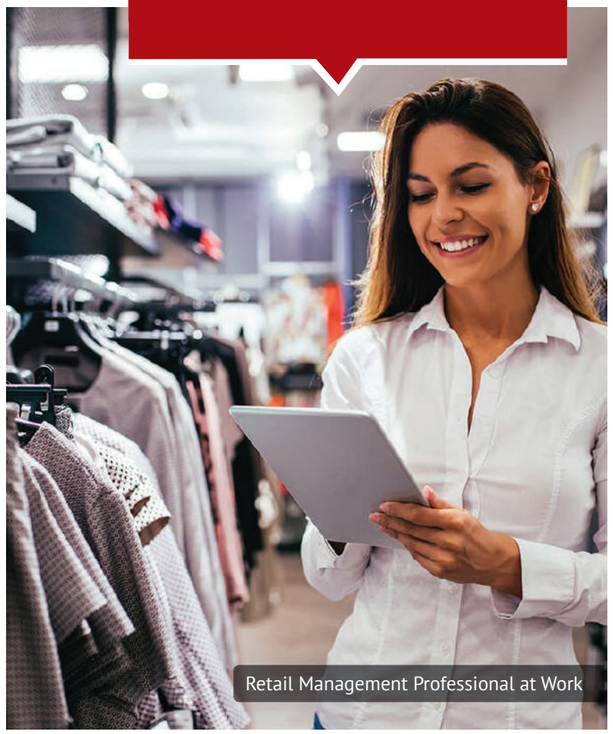
Eligibility Criteria

12th Standard pass in any stream with minimum 50% marks.

Bachelor of Business Administration (BBA) is a popular course among students aspiring to venture into the world of management. BBA (Hons.) 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.

Bachelor in Business Administration (BBA) (Hons.) at The Neotia University (TNU) offers specializations in Retail Marketing, Logistics and Supply Chain Management, and Digital Marketing that prepare students for jobs in the Corporates.Faculty members are experienced in both Academic and Industry. Industrial training and internship programs at various corporate houses is part of the curriculum.Internship at the Times of India (TOI), The Hindu, Hind Radio, Intershala, Blitz Job, Pantaloons, Ambuja Neotia and more is a regular feature at the University. Experiential learning through case studies of Harvard Business Review, Entrepreneurship and Management program provided to prepare future entrepreneurs with the skills and knowledge to start and manage their own businesses for better understanding of the subject problems.

Industrial experts visit the campus, to train students in research and industrial opportunities. Students guided for various entrance exams like CAT, MAT and XAT for better future prospect.



Retail Management Professional at Work

Career Prospects

Graduates in BBA (Hons.) shall have ample job opportunities in various sectors. Apart from pursuing higher studies in MBA or Law, they can apply to be a Chartered Accountant, appear for Civil Services Examinations, Defence Services or work in Banking and Finance Sector or become an entrepreneur.

Graduates with specialization in Retail Management can work as Executives or Managers handling the smooth functioning of different operations such as retail, finance, revenue and shares. Graduates in Digital Marketing can join various digital and advertising agencies as Digital Marketer, Social Media Analyst, Website Analyst and more. Graduates with Logistics and Supply Chain Management can work as Production Operative Supervisor or Manager, Maintenance Operative Supervisor or Manager, Quality Manager, Production Planner, Production Warehouse Manager in various top-notch companies like Amazon, Flipkart, Tata Group, Aditya Birla Fashion and Retail Ltd, Future Retail Ltd, Google, Facebook LinkedIn, and more.

B.COM (HONS.) WITH SPECIALIZATION IN TAXATION AND E-COMMERCE

Courses Offered

B.Com (Hons.) with Specialization in Taxation and E-Commerce (Proposed For 2021-22 Onwards)

Duration

3 years

Eligibility Criteria

12th pass in any stream with a minimum of 50% marks.

GST (Goods and Service Tax), is a new tax regime for current taxation system of India. Over a span of 3 years, the implementation of GST has increased employment opportunities in the various sector such as automobiles, logistics, e-commerce, retailing, manufacturing, services, supply chain, banking, financial, and more. In addition, the IT companies in preparing GST software handle the major part of the development, thus the IT sector is playing a significant role in expanding the GST around the nation.

B.Com. (Hons.) with Specialization in Taxation and E-Commerce at The Neotia University prepares students to learn GST and Tally for a rewarding career path. The Course Curriculum is design by Academic and Industry experts, which include subjects which will provide understanding and learning of compliances like, GST and its implication in business, Tally software, Database Management, different computer applications in business like Oracle, Java and more. Faculty members are experienced in academics as well as industry and have an in-depth understanding of the GST and its various aspects. Internships programs at various financial division of organizations, is part of the curriculum. Industrial experts visit the campus, to train students in research and industrial opportunities.

Career Prospects

There is an adequate scope for Graduates in B.Com. (Hons.) with specialization in Taxation and E-Commerce in the corporate sector, as charging GST is a part of every business, whether small or big ventures or private firms. According to the sources, companies appointed accountants and tax consultants for a better approach towards the GST. There has also been a consistent increase in requirement for Tally trained professionals, which has expanded even more because of strict compliances. Graduates are also assigned in the roles of Employment Tax Specialist, Personal Finance Consultant, Assistant Manager – Taxation, Senior Executive Taxation, Executive Indirect Taxation, Accountant – Indirect Taxation, Head – Corporate Taxation, Finance Manager, Probationary Manager, Income Tax Officer, Web Consultant, E-Commerce Business Manager, Operations Manager, Business Analyst, Auditor, Chief Financial Officer, E-Commerce Analyst. Since, GST has increased the new business plan and motivated the new businesspersons to take new initiative regarding business and consequently, the jobs and self-employment have increased in India. Graduates can also start their own consultancy firm.

Courses Offered

- **Integrated BBA with LLB (Hons.)**
- **Integrated BA with LLB (Hons.)**

Duration

5 years

Eligibility Criteria

12th Standard pass with any subject at least 55% marks.

The five years integrated course of BBA with LLB (Hons.) and B.A with LLB (Hons.) of The Neotia University (TNU), West Bengal has been approved by the Bar Council of India.

INTEGRATED
BBA LLB (HONS.)

Integrated 5 years programs in BBA with LLB (Hons.) at The Neotia University (TNU) approved under Bar Council of India. The program help students to gain knowledge on two wide disciplines Business Administration and Law. As a part of the BBA with LLB course, aspirants are provides with an in-depth knowledge of Commerce subjects such as Principles of Management, Financial Accounting, Computer Applications, Effective Communication, and more, with intricate details of law subjects such as Law of Torts, Constitutional Law, Property Law, Company Law, Administrative Law, Civil Law, Criminal Law, Family Law and the likes. Thereby, facilitating a truly interdisciplinary approach to learning law.

Faculty members are experienced in Academics, Courts and have Industry background. Industry and Academic stalwarts from the specialized areas design the curriculum. As part of the curriculum, students visit Legal Aid Clinics, where they interact with clients to provide legal relief to the downtrodden. Courtroom learning at the Calcutta High Court, Alipore Court and Diamond harbour court and in top-notch corporate houses is part of the curriculum to understand the framework of significant concerns in jurisprudence and theories of justice. Special Classes are organised for Drafting by professional experts like Senior Advocate and Retired Judges. Special Lectures are also organised for the students by inviting Legal luminaries from pan India and abroad to discuss and interact with the students on contemporary socio-legal problems. Workshops, Seminars and Webinars are organized at regular basis on National and International Level.

Students get a taste of real court proceedings in the moot court. A moot court not only helps in enhancing legal knowledge, but also in brushing up communication, drafting, legal research, and presentation skills. Most importantly, it helps us increase confidence. Moot court competition is also organised for the students for having exposures of the students in the legal milieu.

Career Prospects

Students after successfully completing their 5-year Integrated BBA with LLB programme will receive a lot of employment 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 and legal advisor, law officer, business consultant, law reporter, general counsel in the legal departments of companies, paralegal assistant with law firms, management accountant, company secretary, human resource manager, and as legal professor in Universities. Graduates can also appear for Indian Civil Services, State Legal Services, and Public Service Commission Entrance exams after BBA LLB.

INTEGRATED
B.A. LLB (HONS.)

Integrated 5 years programs in B.A with LLB (Hons.) at The Neotia University (TNU) approved under Bar Council of India. The program help students to gain knowledge on two wide disciplines Humanities and Law. The BA LLB encompasses an interdisciplinary study of Arts stream subjects such as Sociology, History, etc. along with the study of law and legislature. The BA LLB subjects also comprise of Civil Law, Corporate Law, Patent Law, Labour Law, International Law, Administrative Law, to name a few.

Faculty members are experienced in Academics, Courts and have Industry background. Industry and Academic stalwarts from the specialized areas have design a balanced curriculum with a combination of classroom learning as well as mock court drills, case studies, research work, law internships, and more. Students visit Legal Aid Clinics, where they interact with clients to provide legal relief to the downtrodden. Courtroom learning at the Calcutta High Court, Alipore Court and Diamond harbour court and in top-notch corporate houses is part of the curriculum to understand the framework of significant concerns in jurisprudence and theories of justice. Special Classes are organised for Drafting by professional experts like Senior Advocate and Retired Judges. Special Lectures are also organised for the students by inviting Legal luminaries across India and abroad, to discuss and interact with the students on contemporary socio-legal problems. Workshops, Seminars and Webinars are organize at regular basis on National and International Level.

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Graduates can also appear for Indian Civil Services, State Legal Services, and Public Service Commission Entrance exams after BA LLB. Some of the top companies who recruit are SEBI, ONGC, IOCL, SAIL, FEMA, Khaitan & co., Pangea3, ITC, E&Y, PWC, ICICI Bank, etc.

Industrial visit to Courts is a regular feature at TNU

Moot Court Session

INTERNSHIP & PLACEMENT

The Neotia University (TNU) provides a mandatory Internship Programme for all Undergraduate and Postgraduate Students, to Intern at various Corporate Houses, Research Organizations, Social Impact Groups (NGO's), Healthcare Organizations, as part of the Course Curriculum. This provides a natural extension to the educational experience by adding a valuable professional experience and continue to build leadership skills for the students.

Debanik Roy
B.Tech in Robotics and Automation Engineering

I completed my paid Internship from BPC Pi Innovation Technologies LLP. During my training period, I worked on Lidar 3D point cloud analytics and statistical analysis based application for autonomous vehicles - UAV, AGV and UGV. A certificate on completion of the training period was awarded to me.

Rohit Sinha
B.Tech CSE (Cyber Security)

I have completed multiple Internship program in various Companies and Research labs like AiLabs, Myriad Cara, Aam Admi party. I also did an Internship program at Globsyn 3rd.Life and Adaptflex, with a stipend per month. During campus placement, I received offers from Unified InfoTech and Cognizant Technology Solutions (CTS).

Suprity Poddar
M.Sc Applied Psychology

I completed three Internship programs from Kolkata Institute of Graphology, Psychoshiksha, and Psychschool. During my Internship, I have worked on handwriting analysis and various aspects of organizational psychology. I am also doing research work in Intellify, India on Problem solving skills and public dealing.

Raj Zamal
B.Tech CSE (Cyber Security)

I completed my Internship program from University of Calcutta (CU). I worked on a project where I had Implemented Blockchain on Internet of things IOT. It was a great learning experience. Blockchain and Internet of Things (IoT) are both poised to be world-changing technologies. Hence, it was a great learning experience.

Ritmalya Sahu
B.Sc in Hospitality Administration

I did my Internship program in Food & Beverage from Hyatt Regency Kolkata. During the training period, I learnd operational works such as order taking, clearance, billing, situation handling and customer satisfaction.

Tania Ganguly
B.Tech CSE (Data Analytics)

I completed my Internship Program on Machine Learning and IOT from Nation Innovation, with a stipend per month. Apart from this, I also did my Internship from NIT, Durgapur under the Supervision of eminent Professors on Data Science.

Dristi Mukherjee
M.Sc in Biotechnology

I completed my Internship program from the World's Largest Vaccine Manufacturer, Serum Institute of India Private Limited. I was working in the production process of bacterial and viral vaccine in Dengue Lab where experimentations to find the marker for Dengue Vaccine was conducted.

Sampurna Mandal
B.Tech in Robotics and Automation Engineering

I did my Internship at DCG AI Labs Academy Pvt. Ltd. on an HR chatbot-Preparing Expressions, Intent, and Developing Agent, Bot. The tools used was Google's Dialog flow, AI-enabled LOS Prediction of ICU Patients. I also worked on, exploring EMR data for feasibility study, analyzing and preprocessing the EMR data, performing extensive research to develop a robust AI model.

Ahan Chatterjee
B.Tech CSE (Data Analytics)

My research interests are in the areas of Machine Learning, Deep Learning, and Applied Data Analytics in Healthcare and Financial Market. I have worked in several organizations namely, CSIR-CDRI, GoOffer Hyperlocal Pvt. Ltd., Research Guruji, Daten & Wissen Pvt. Ltd, and Calcutta University as Research and Data Science Intern.

SK Mariyas
B.Sc in Hospitality Administration

I completed my Internship Training from Oberoi Udaivilas, Udaipur. During the training period, I gained knowledge of different departments of hotel such as front office, housekeeping, human resource, etc.

AWARDS, GRANTS & PUBLICATIONS

The Neotia University (TNU) fosters a rich research community, across disciplines and supports the research pursuit of the Faculty Members, Visiting Scholars and the Students. The interdisciplinary nature of research pushes the boundaries and bridges disciplines to open endless possibilities for exploration. In the last couple of years, the University has published 2500+ research work in renowned National and International peer reviewed Journals or Conferences.

Dr. Biswajit Ghosh, Vice-Chancellor, TNU
Dr. Ghosh is honoured by International Solar Energy Society (ISES) as one of the pioneer researchers of the World in the field of Solar Energy. He is featured in the book "The Century of Solar-Stories and Visions", where a list of the pioneer researchers of the World has been mentioned for their work in the field of 'The Sun in the Service of Mankind'. Dr.Ghosh discovered electro-kinetic effects from photovoltaic power plants, which showed its potential applications for 'Agrivoltaic', the duel use of land for energy and food security.

Dr. Prosun Tribedi, Assistant Professor, Biotechnology department at TNU Received externally funded Research Grants exploring Microbial Biotechnology for the Sustainable Promotion of the Environment. Dr. Tribedi has also received the young scientist research grant of 23 lacs, entitled "Strategy development for the applications of bio fertilizers into the soil to increase the soil fertility" sanctioned by SERB, DST, Govt. of India. He has 40 Articles in International peer-reviewed reputed journals including book chapters. Five publications, individually has crossed 100 citations.

Dr. Amit Sarkar, HOD, Biotechnology Department has received a university sponsored minor research project entitled "Baseline study on prevalence of pathogenic, multi drug resistant Vibrio parahaemolyticus in marine and fresh water fish from Diamond Harbour area and molecular characterization of their virulence genes" funded by The Neotia University.

Dr. Sheeba Khalid, Assistant Professor, School of Legal Studies, published her Book of Sociology for B.A LL.B and other integrated courses. She has received the National Women Award for Senior Woman Educator and Scholar from National Foundation for Entrepreneurship Development, Tamil Nadu, India.

Dr. Partha Niyogi, Faculty, School of Pharmacy published a research paper entitled "Fourier Transfer Infra-Red Spectroscopic Analysis of Supragingival and Subgingival Human Dental Calculus" in Indian Journal of Forensic Medicine & Toxicology, (2019). 13(4), 1870-1875. In addition, presently working on In-silico drug design against Sars Cov-2 virus.

Dr. Pranam Paul, HOD and Assistant Professor, CSE department, his current research project titles "A Solution towards Big Data Storage and Data Management for Efficient Data Handling in Secured File System Based Cloud Environment through Services" is under the process of review in WOS – B, DST, GOI. He has 91 publications.

Dr.Manashi Chakraborty, Assistant Professor, Basic Science department is presently running a SERB- DST, GOI sponsored project worth INR 37 Lacs entitled Dependence of Exchange Bias on Interparticle Interaction. Dr. Chakraborty is also the Principal Investigator of USRP entitled Improving multiferroicity with RGO/GO/Graphene based Nano composites.

Dr. Ankush Ghosh, HOD and Assistant Professor, Robotics and Automation Department, is a Fellow of IETE and Senior Member of IEEE. He has outstanding research experiences and published 6 edited books, 10 patents and more than 100 research papers. He was a research fellow of the Advanced Technology Cell- DRDO, Govt. of India. He was awarded National Scholarship by HRD, Govt. of India. He has received award for contributing in Innovate India from AICTE- DST, Govt. of India in 2019.

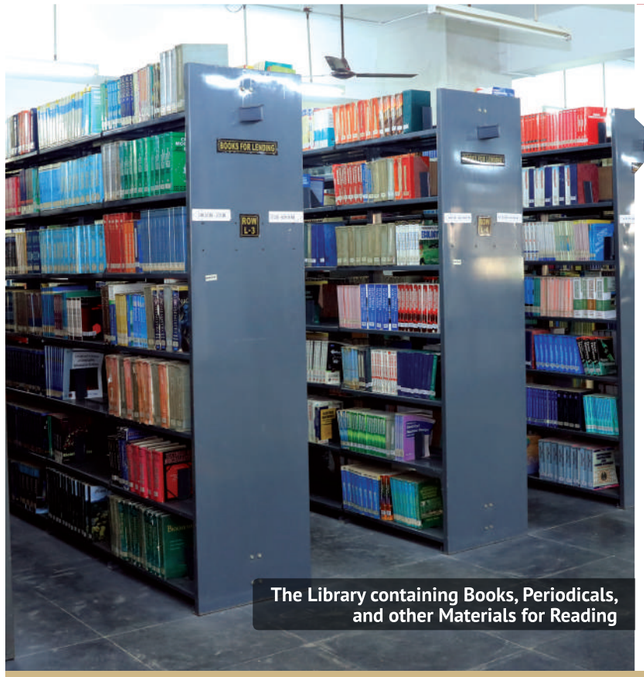
Dr. Bidisha Mondal, Assistant Professor, Agriculture department, is a Gold Medallist with SRF-ICAR-NATP, selected for DST-GOI PB-MMT Program, won the Bio-CARE Women Scientist Award from the DBT-GOI. She is the editor in Journal of Applied Horticulture and life member of ISCA, ISGP, and IWSD. She has 10 National and 14 International Publication, 2 books and several general science articles to her credit.

INFRASTRUCTURE FACILITIES

The University 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.

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.



The Library containing Books, Periodicals, and other Materials for Reading

MORE THAN

31000 BOOKS

NATIONAL AND INTERNATIONAL

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.

"The University is monitored by CCTV cameras and Turnstile machines are installed to keep the record and vigilance on the movement of 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.

Ship in Campus

Cricket Coaching for Students

Football Ground

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

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.

Basketball Courts

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

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.

Table Tennis

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

Smart Classroom

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

Workshop

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

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

ATM

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

Moot Court

Students get a taste of real court proceedings in the moot court. A moot court not only helps in enhancing legal knowledge, but also in brushing up communication, drafting, legal research, and presentation skills.

Book Bank Facility

The University Book Bank provides students with books, that they return at the end of the Semester.

Wifi

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

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.

Free-Fall Davit

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

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.

Cafeteria

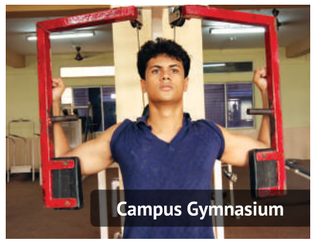
A high quality hygienic fast food joint is available within the campus to supplement the taste of students and staff members.v

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.

LIFE AT CAMPUS

TNU encourage students to learn from one another


Campus Gymnasium

The Neotia University (TNU), West Bengal, is spread over 60 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.

Swimming Pool

University Canteen

University Basketball Court

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 cardio- vascular 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.

Sports Facility

Sports and physical activities play an integral part of the University curriculum. This ensures holistic development of the mind and body.

The University has separate indoor halls for indoor games like table tennis, carom, snooker and chess etc. Adequate facilities and courts are available for volley ball, badminton, basketball and two large playfields for Cricket and Football. Dedicated and qualified Coaches for Football, Basket Ball and Cricket have been appointed.

We have conducted frequent sporting activities including participation in Inter College Basket Ball, Football, Cricket, Table Tennis, Volley Ball and Martial Arts Tournaments and Competitions. Over the past 5 years, our students have significant achievements, having won several team championships and individual laurels. Some notable achievements in the field of sports are:

- Champions In Bbit Intercollegiate Girls Basketball, 2018.
- Champions In Rampage Intercollegiate Girls Basketball Organised By NITMAS/ TNU, 2018.
- Champions In Rampage Intercollegiate Table Tennis Organised By NITMAS/ TNU, 2018.
- Champion in Techno India Anakhronos Intercollege Table Tennis Tournament, 2018
- Champions in BBIT Verve Intercollegiate Chess Tournament, 2018
- Champions In Basketball Girls, Ciem, 2017.
- Champions In Bbit Volleyball, All West Bengal Competition, 2017.
- Champions In Table Tennis In Rampage Intercollegiate Tournament Organised By TNU/NITMAS, 2017.
- Champions In All India Railway Cup Table Tennis Organised By Railways, 2017.
- Gold Medal in Kickboxing & Wu-Shu ISM, Dhanbad, All India Sports Meet: 2014, 2015, 2016.
- Champions in Cricket BESU, Inter College Cricket Tournament: 2014.
- Champions in Rampage Inter College Cricket Tournament: 2016.
- Champions in Chakravyuh Inter College Cricket MERI Taratola: 2016.

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 Fests.

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 shot 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 present 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.

Sourav Das
B.Tech in Robotics Engineering

I am presently working with Deasysoft Technlogies as an IoT Developer after successful completion of my assignment as Project Trainee with a package of 4.22 Lacs. Faculty members are extremely helpful. TNU has Industry Tie-up with Phi-Robotics Private Limited, Maharashtra.

Sanhati Panigrahi
M.Sc Applied Psychology (Clinical Psychology),

I am currently working as school counsellor at Asian International School. TNU has prepared me for the professional work as a Psychologist. Guidance, Knowledge from Professors helped me a lot.

Shinjini Deb
M.Sc Applied Psychology

I am currently working in Apollo Gleneagles 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 Gleneagles Hospital.

Soumyadeep Bhadra
B.Tech in Robotics Engineering

I am presently working with Indus Net Technologies Pvt. Ltd. as an Associate Software Engineer with a package of 4.11 Lacs. I completed my B.Tech degree from TNU. Internship program at various well- known organizations is a regular feature at TNU. Placement record of the University is extremely good, with 90%-95% students getting placed.

Arindam Halder
B.Tech CSE (Cyber Security)

I have completed by Graduation in B.Tech CSE with specialization in Cyber Security. Under their guidance and support of my faculty members, I have receive the 'Hall of Fame' from Apple for reporting vulnerability in apple security system.

Hironmoy Chakraborty
B.Tech CSE (Cyber Security)

I am presently working with CGI Inc. I pursued Graduation in B.Tech CSE with specialization in Cyber Security. During my final year in B.Tech, as part of the curriculum, I completed my internship programme from EME Technologies.

Cadet. Nilay Bhardwaj
Bachelor of Nautical Science

I am building my career path with Mitsui OSK lines (MoL), Tokyo (Japan). 90% of the students of Maritime Studies, TNU is placed in top most shipping companies. I am now sailing on Sunshine Ace, Pure Car Carrier (PCC Vessel) across Middle Eastern Ports, Europe, Japan, Hong Kong, Malaysia, Indonesia and Australia.

Srilekha Ghosh
School of Hospitality and Culinary Art

I am working at Mayfair Hotels & Resorts. I completed my graduation in B.Sc in Hospitality Administration. During my final year, I completed my Internship from The Lalit Great Eastern-Kolkata, where I have received the Best Trainee Service Award in the Front Office.

Swarnojit Sarkar
B.Tech CSE (Cyber Security)

I am working with Cognizant Technology Solutions (CTS) after completing my Graduation in B.Tech CSE with specialization in Cyber Security. In my final year, I did my Internship program in AmbujaNeotia.

Suman Sikder
School of Hospitality and Culinary Art

I am presently working with MAYFAIR Hotels & Resorts. I pursued Graduation in B.Sc. in Hospitality Administration, during my final year; I did my Internship from, Swissotel-Kolkata. Guest lectures, Internship programs and Industrial training is a regular feature at the University.

Adriraj Das
B.Tech CSE (Cyber Security)

I am presently working with Zensar Technologies as Junior Software Engineer. I pursued Graduation in B.Tech CSE with specialization in Cyber Security. During my final year in B.Tech, as part of the curriculum, I completed my internship programme from Indian Cyber Security Solutions.

Sampreet Sarkar
B.Tech Robotics and Engineering

I am currently pursuing Master Degree in Control & Robotics with specialization in Embedded Real Time Systems at Ecole Centrale de Nantes. During my final year of graduation in B.Tech Robotics and Engineering, I completed Internship at WABCO that was a great learning experience. WABCO provided a stipend of Rs.12000/ month to all Interns.

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.

Prajyot Palimkar
2nd Year, B. Tech Robotics Engineering

I am pursuing B. Tech in Robotics and Automation. I am from Maharashtra, I selected West Bengal for my future academics as The Neotia University is the only good University in India, which offers Robotics and Automation Engineering at the B.Tech level. The University provides Internship in one of the best organizations in India. Placement record is approx. 90%. Faculty members are excellent.

Prithu Kuity
1st year, Bachelor in Pharmacy

I have chosen Bachelor in Pharmacy because I believe that pharmaceutical sector shall grow and have better job opportunities. TNU has a big and well-equipped Campus. The Faculty are very good who help us by taking extra classes whenever required. We have excellent sports infrastructure with three Basket Ball Courts, two large play fields, a full-size swimming pool, Table Tennis, Badminton & Carom facilities.

Parthasarathy Khara
3- Year, Agriculture

The 60-acre Campus is serene, with good hostels and great infrastructure. The Faculty are very good who help us whenever required. Other people on Campus are also very friendly, making this a home- away- from home. The academic curriculum is based on practical and field training. The department organizes guest lectures, workshops and seminars.

Cadet Suvadip Pal
3rd Year, Marine Engineering

I am privilege 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 and we enjoy ourselves on Campus."

Sayantanu Pahari
3rd 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.

Arshavee Das
4th Year, B.Tech CSE (Cyber Security)

I am pursuing B.Tech CSE with Cyber Security. The curriculum is design by academic and industry experts based on recent developments in Technology. The University provide opportunities for multiple live projects and internships programs in IT giants. The faculty members are extremely helpful.

Swaprativ Chaudhuri
2nd Year, Bachelor of Nautical Science

Ever since I stepped into this University, I knew this was the campus for me. The air was filled with a strong sense of pride and integrity. I knew that this was a place that I could eventually call home, my second Home. The faculty members are helpful and supportive.

Rajib Naiya
3rd Year, B.Sc in Applied Psychology

TNU has a lush green, beautiful Campus, the best place to pursue B.Sc degree in Applied Psychology. The student-teacher relationship is excellent; the faculty members are helpful and the departmental laboratory is well equipped with psychological testing enmities. The AC Bus service ensures that we have a comfortable and stress-free journey.

Ayan Das
1st Year, Bachelor in Pharmacy

I am Student of 1st year studying Bachelor in Pharmacy. We have excellent faculty and infrastructure facilities. The lectures are extremely informative & interesting. Internship at various private and government hospitals is part of the curriculum. We have excellent Hostels, Canteens &Sports Infrastructure.

Shouvik Sarkar
2nd Year, Bachelor of Fisheries Science

I was looking for a course that will provide me ample job opportunities after completing my graduation. I chose to study Bachelor in Fisheries Science at The Neotia University as the University provides a 60-acre campus with several ponds that provide us with practical training, research and development opportunities. The course curriculum, laboratories, equipment and practical manuals is as prescribed by ICAR.The University provides, field visit and internship opportunities as part of the curriculum.

NATIONAL & INTERNATIONAL CONFERENCES, WORKSHOPS, SEMINARS & WEBINARS

The Neotia University (TNU) has crossed another milestone and celebrated the Seventh Foundation Day on 3rd February, 2021 with great enthusiasm and dedication.

The celebration started with the hoisting of the University Flag, by the Hon'bleVice-Chancellor of the University, Prof.Biswajit Ghosh, in the presence of other dignitaries and guests. Later delivering the welcome address, Prof. Ghosh, drew references from the reminiscent past highlighting the University and student's achievements over the years.

Robotics and Automation Engineering Department

- Organized Seminar on Robotics Applications by Mr. A Ramachandran, Senior Manager, MTAB Engineers (P) Ltd.
- Organized Seminar on Block chain by Mr. A. Ghatak, MieRobot.
- Organized one-day workshop on 'UX design' at the University campus, in association with MieRobot.
- Organized Seminar on "Higher Studies in Abroad" by Mr. Amitava Das, Charge de cooperation universitaire et scientifique, Consulat General de France a Calcutta and Mr. Sourav Bhowmik, Manager, Campus France, Kolkata.
- Organized Seminar on "Higher Studies Opportunities in Germany" in association with Future@ Campus (resource person Ms. Ksenia Naberezhneva from Berlin) at TNU Campus.
- International Webinar on "Mechatronics and Robotics: Future of tomorrow" in collaboration with Japan Bangladesh Robotics & Advance Technology Research Center (JBRATRC).
- Online workshop on Current Trends in Industrial Robotics in collaboration with TCS Research.

Computer Science and Engineering Department

- Organized workshop and T3 on "PHP" at TNU campus.
- Organized T3 on "Applied Statistical Analysis" and "Information Security Fundamentals" at TNU campus.
- Organized seminar on Data Mining & Protective Modeling at TNU Campus.
- Online Workshop on Faculty Development Programme on Machine Learning by Tata Consultancy Services (TCS) Academic Interface Programme.
- Webinar on "Artificial Intelligence: Past, Present and Future" by Dr.Sandipan Sarkar, Engineer at IBM.
- Industry4.0/Smart Factory automation with digital twin and product SkillON365" organized by The Neotia University in collaboration with MTAB Technology Center (P) Ltd (MTC).
- Webinar on 'Data Science and Artificial Intelligence: Revolutions for Present and Future'.

Applied Psychology Department

- 3 days' workshop on Rorschach Ink Blot Test at TNU campus.
- Ms. ParmeetSoni, a Consultant Clinical Psychologist of St. Xavier's College delivered the lecture on a topic entitled "Dil se bolo, khulkeJio: need of counselling in higher education" at TNU Campus.

English Department

- Conference on 'Nivedita and the Confluence of Minds', in collaboration with The Ramakrishna Mission Institute of Culture, Gol Park.
- Webinar on Audio-visual & Print Media - Overview, Challenges, and Career Prospects.

Basic Sciences & Energy Engineering Department

- Dr.Santanu K. Maiti, Associate Professor, Physics and Applied Mathematics Unit of Indian Statistical Institute delivered an interesting and innovative lecture in to motivate the students in TNU campus.
- Workshopon "OIL and GAS Conservation" by PCRA(Petroleum Conservation Research Association), Ministry of Petroleum and Natural Gas, Govt. of India at TNU campus.
- Workshop on the Celebration of National Mathematics Day (a programme supported by NCSTC, DST, GOI) under theme "Mathematics for All" in association with DST, Govt. of India and West Bengal State Council of Science & Technology at TNU campus.
- Orientation program on Quantum Computing titled Orientation Program on Quantum Computing: An Emerging Specialization for aspiring Physicists and Mathematicians in association with IEEE ComSoc and Anandabazar Patrika Education (ABP EDU).

Agriculture and Fisheries Department

- Legendary Scientist and Breeder Prof. Samir Samanta presented an enlightening lecture on Biodiversity, Breeding & Enterprise development at TNU Campus.
- An interactive session with Prof. Tiwari, Professor, Department of Agriculture and Food Engineering IIT-Kharagpur, at TNU Campus.
- National Webinar on Challenges, Opportunities and Future Direction of Fisheries and it's Education Post COVID- 19/ Post Amphan Era and National Fish Farmers' Day Celebration.
- Webinar on Growing Scope, Opportunities & Career Prospects in Bachelor of Agriculture Science.

Legal Studies Department

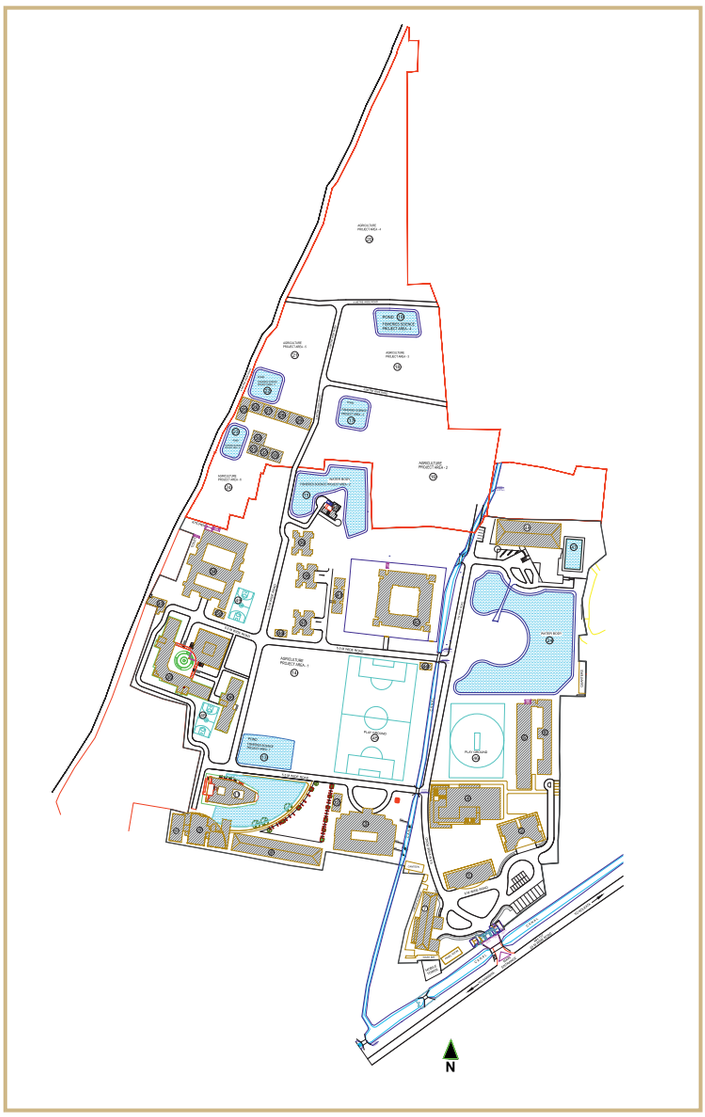
- Lecture Session on Artificial Intelligence and Law.
- Online Lecture on Mediation as an Alternate Career for Legal Professionals.
- Online Lecture on Funding of Start-Ups in India: A Legal Approach.
- International Webinar on Changing Scenario of IPR during COVID Pandemic

Hospitality and Culinary Art Department

- TNU Team at HTMi Campus, Switzerland to have collaboration for offering B.Sc. in Hospitality Administration course at TNU. 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 TNU.

TNU received the Award of Most Emerging University in Robotics Education by AICRA in 2019

NOTES



LEGEND- BUILDING

A. ADMINISTRATIVE BLOCK

1. ADMINISTRATIVE BUILDING (G + V)

B. ACADEMICS BLOCK

2. SCHOLASTIC BUILDING - 1 (G + III)
3. SCHOLASTIC BUILDING - 2 (G + II)
4. SCHOLASTIC BUILDING - 3 (G + III)
5. SCHOLASTIC BUILDING - 4 (G + III)
6. SCHOLASTIC BUILDING - 5 (G + III)
7. WORKSHOP BUILDING
8. NEW WORKSHOP BUILDING
9. NEW PHARMACY BUILDING (G + III)
10. PHARMACY BUILDING (G + III)
11. SHIP IN CAMPUS (G + III)

C. AGRICULTURE & FISHERY SCIENCE BLOCK

12. POLY HOUSE & NET HOUSE
13. FISHERY SCIENCE PROJECT AREA - 1
14. AGRICULTURE PROJECT AREA - 1
15. FISHERY SCIENCE PROJECT AREA - 2
16. AGRICULTURE PROJECT AREA - 2
17. FISHERY SCIENCE PROJECT AREA - 3
18. AGRICULTURE PROJECT AREA - 3
19. FISHERY SCIENCE PROJECT AREA - 4
20. AGRICULTURE PROJECT AREA - 4
21. AGRICULTURE PROJECT AREA - 5
22. FISHERY SCIENCE PROJECT AREA - 5
23. FISHERY SCIENCE PROJECT AREA - 6
24. AGRICULTURE PROJECT AREA - 6
25. MUSHROOM UNIT
26. FIELD LAB
27. STORE HOUSE
28. SERICULTURE UNIT
29. THRESHING FLOOR
30. BIO GAS PLANT
31. CATTLE SHED
32. VERMI COMPOST PIT
33. BIO FERTILIZER PLANT

D. RESIDENTIAL BLOCK

34. BOY'S HOSTEL - 1 & 2 (G + III)
35. BOY'S HOSTEL - 1 & 2 (G + III)
36. BOY'S HOSTEL - 1 & 2 (G + III)
37. OLD STAFF QUARTERS (G + III)
38. NEW STAFF QUARTERS (G + III)
39. NEW STAFF QUARTERS (G + III)
40. DIRECTOR'S RESIDENCE (G + I)
41. OLD STAFF QUARTERS (G + III)
42. GIRL'S HOSTEL - 3 (G + II)

E. UTILITY & SERVICES BLOCK

43. ELECTRICAL ROOM
44. PUMP ROOM

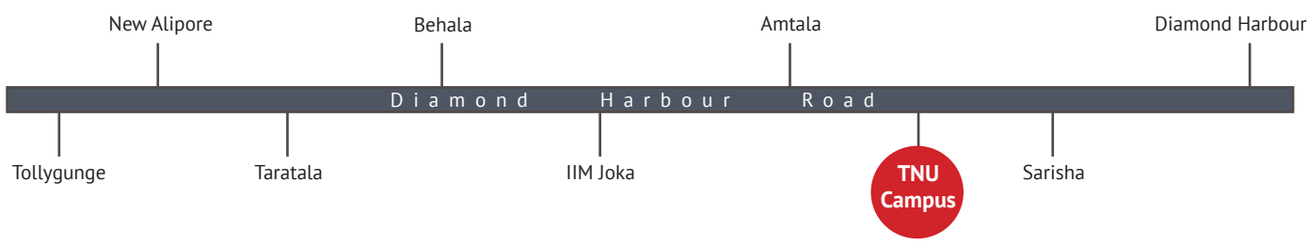
F. RECREATIONAL BLOCK

45. FOOTBALL GROUND
46. CRICKET GROUND
47. SWIMMING POOL
48. MULTI PURPOSE HALL
49. BASKETBALL COURT (3 NOS.)

G. HEALTH BLOCK

50. MEDICAL UNIT

admadcommunications@gmail.com



AmbujaNeotia

THE NEOTIA UNIVERSITY
ज्ञानम् आत्म प्रदीपाय
UGC Enlisted & Recognised

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