STRATEGIC
PLAN
2020-30

.....A journey towwards excellence

NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA

Director
National Institute of Technology Agartala
Tripura, India - 799046
Phone : 0381 2346 360/630
Fax : 0381 2346 360/630, Website: www.nita.ac.in

Direct from
New Delhi, Kolkata,
Silchar, Guwahati, Imphal

Direct from
Guwahati, Silchar,
Shillong

Direct from
Delhi, Guwahati,
Silchar

Where the mind is without fear and the head is held high
Where knowledge is free
Where the world has not been broken up into fragments

.... Rabindranath Tagore

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CHAIRMAN'S MESSAGE

Strategic plan with a Vision and Mission having well planned goals is an important component to develop an educational institution to achieve excellence for creating international level skilled manpower equipped with innovative ideas.

Converting an existing Institution (Tripura Engineering College) having infrastructural and other logistical impediments into an institute of National and international excellence is a challenge but the process of growth which has taken place during the last years at NIT Agartala is an indication of fructification of result-oriented programmes and that of proper planning in the right direction. During the past years, efforts have been made not only to create infrastructural and academic facilities, but also to strengthen the teaching and learning resources keeping in view the needs of students admitted to NIT Agartala from various states in the country. The difficulties and challenges faced by the institution are part of such development process and as a Chairman of BOG of NIT Agartala, I firmly believe that the Institute will grow to achieve its objectives as per its strategic plan to get the desired recognition as an Institute of National Importance and a Centre of Excellence in coming years, with active support from the Govt. of India.

(Prof. H.K. Sharma)
Chairman, Board of Governors,NIT Agartala

From The Director's Desk

The National Institute of Technology, Agartala has been constituted by the Govt. of India with the mission to herald a new chapter in the development of the country, particularly, in the North East states, through the pursuit of excellence in technical education and research. In recognition of the strategic potential that such an Institute possesses in initiating and sustaining an era of renaissance in technical education, Ministry of Education has conferred the status of "Institute of National Importance".

NIT Agartala realizes the responsibilities of its pivotal role in the arena of higher education to meet the future challenges of a sustainable development in a knowledge-based economy. Its strategic impetus has the objectives of fostering and enhancing the frontiers of a sustainable employment potential for the rural and socio-economical challenged region. Among its immediate objectives, the National Institute of Technology Agartala pledges to revitalize the indices of education not only in the field of technical subjects but also pursue a chapter of excellence in conventional science and management subjects in the course of evolution into a multifaceted knowledge hub. Its strategic horizon encompasses models of contemporary educational innovation with inbuilt mechanisms for imparting soft skills, fostering industry collaborations and promotion of young entrepreneurial skills. Among its various international ventures, NIT Agartala realizes the importance in imbibing global state of the art technological advances in its academic and research trajectory. To strengthen this aspect, it has been engaged in endorsing various MOUs with foreign universities and institutions. Being an active member of the DASA consortium, it can provide a unique platform of quality technical education together with an opportunity of discovering their innate roots of rich cultural heritage for the NRI aspirants.

The National Institute of Technology of Agartala, has broken many impediments and barriers which stood in its way of becoming an Institute of National Importance and today through its commitments to achieve its strategic objectives, the institute charters out its objective further in its quest to be a Center of Excellence in near future.

(Prof.H.K. Sharma)
Director NIT, Agartala

ACKNOWLEDGMENTS
Chairman IR & AA Message

It's my great pleasure to thank all the members of the Committee entrusted to finalise the strategic planning for NIT Agartala. The Strategic Planning for an institute of National Importance like NIT Agartala is really an important document to apprise about achievable goals for the future and I personally hope that this document will also actively contribute in correct path finding for the future.

I am really in debted to all the Deans/ HoDs/ Sectional Heads without naming a specific one as the credit goes to each and every members of the Team NIT Agartala for their valuable suggestions. I am also grateful to the Chairman(I/C) BoG, NIT Agartala and Director, Prof H. K. Sharma for his relentless support and reminder otherwise the document could not be possible to make it's deliverable final shape.

Prof (Dr) Prasun Chakraborty
Chairman,Strategic Planning Committee,
NIT Agartala

Dr. Kunal Chakma
Member, Strategic Plannnig Committee

Dr. Suman Deb
Member, Strategic Plannnig Committee

Dr. Nirmalya Kar
Member, Strategic Plannnig Committee

MOTIVATION : An Overview

The ability of an academic institution to fit in with the rapidly changing environment and be at the cutting edge of competition is the key to its longevity. To be able to do this an institution should have a vision and strategy to realize the vision. To plan strategically an organization has to undertake a comprehensive analysis of

what it presently is, what should be, and how it must change in the context of the rapidly changing environment in which it operates. The basic assumptions that govern these questions constitute the Strategic Planning of an organization. Thus the purpose of Strategic Planning is one of

Looking forward several years to determine where the organization should go

Developing a realistic vision and goals to achieve the vision

Measuring progress towards goal achievement, and

Providing tools to guide technical and operating decision.

Keeping this view in background this present Strategic Plan document of NIT Agartala 2020-30 is being prepared. To present a strategic Plan documents is no doubt a herculean task engaging all the stake holders in right perspective. NIT Agartala has been able to complete this process with the cooperation from all concerned.

This document is a result of a series of meetings, workshops and interactions among all stakeholders wherein departmental goals and priorities have been fixed in line with the overall institutes vision and mission. Hopefully, this document will be an unique one in its content and presentation as for strategic planning process the current 4P model has been used through which a clear picture of past, present and future of NIT Agartala is visualized.

This document will certainly provide a road map for its journey towards excellence.
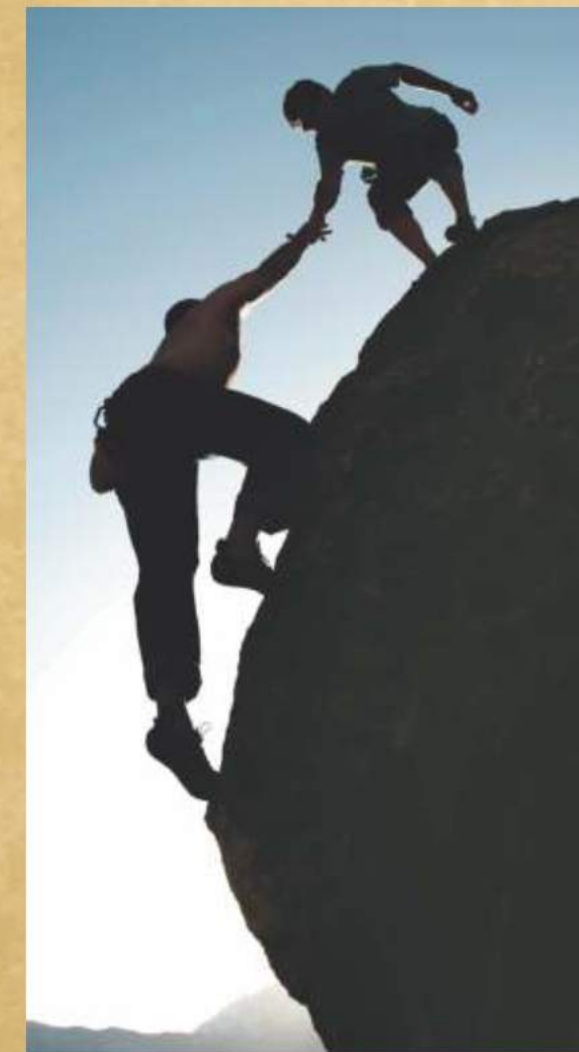
About NITA

Institute is committed to develop highly competent young Engineers, Scientists, and Management Professionals to cater to the ever increasing techno-managerial needs of national and international standards fulfilling professional ethics and societal commitment.

• To produce techno-managerial human resource in line with global need offering state-of-the-art facility, research and training in engineering and allied disciplines.
• To enhance the effectiveness of technical education with innovative system and devising a mechanism to facilitate application of research findings to solve real problems of industries/academics.
• To nurture and sustain an academic ambience conducive to the development of intellectually capable and committed professionals so that

In order to response effectively to the needs of the society, the Institute aims at

* Influencing the technical practices of the Governmental and Non-Governmental organizations through its Under Graduate and Post Graduate teaching programme for the young and prospective technocrats, Training of corporate executives, Consultancy and Research. The research programmes are oriented towards developing technical systems that are most suitable in the Indian context particularly for North-Eastern Zone.

* Transpiring the technical knowledge from the Institute level to the entrepreneurs, so that an effective growth is obtained for the economic development of the Region and the Nation as a whole.

* Enhance the effectiveness of technical education and innovative system and devising a mechanism to facilitate application of research findings to solve the problems in the industry.

STRATEGIC PLAN PROCESS

Vision & Mission

External Environment Analysis

Internal Environment Analysis

Institutional Goals and Objectives

Departmental Goals & Objectives

Strategies

Strategic Implementation

Vision, Mission and Objective

Vision

National Institute of Technology, Agartala aims at to be the leader in preparing professionals who can ingrain exemplary education in technical and allied fields and related services to make the lives of individuals better in a changing World and to be the Centre of innovation and creativity, research and entrepreneurship, life-long learning, professionalism and collaboration with other communities.

Mission

To extend and deepen the knowledge about the development and utilization of manpower talent by imparting the values:

To develop leaders through lifelong learning, academic inquiry, active thinking and to hold the highest standards and principles of ethical conduct and accountability and to achieve excellence through collaborative approach, innovation and development of entrepreneurship.

To empower the students as an advocate for themselves, their communities and to create & support an inclusive community, where everyone is treated with respect and dignity.

To integrate knowledge and experiences both inside and outside of the classroom by faculty-student interaction, experiential learning and embracing new technology – making every opportunity into a possible learning outcome.
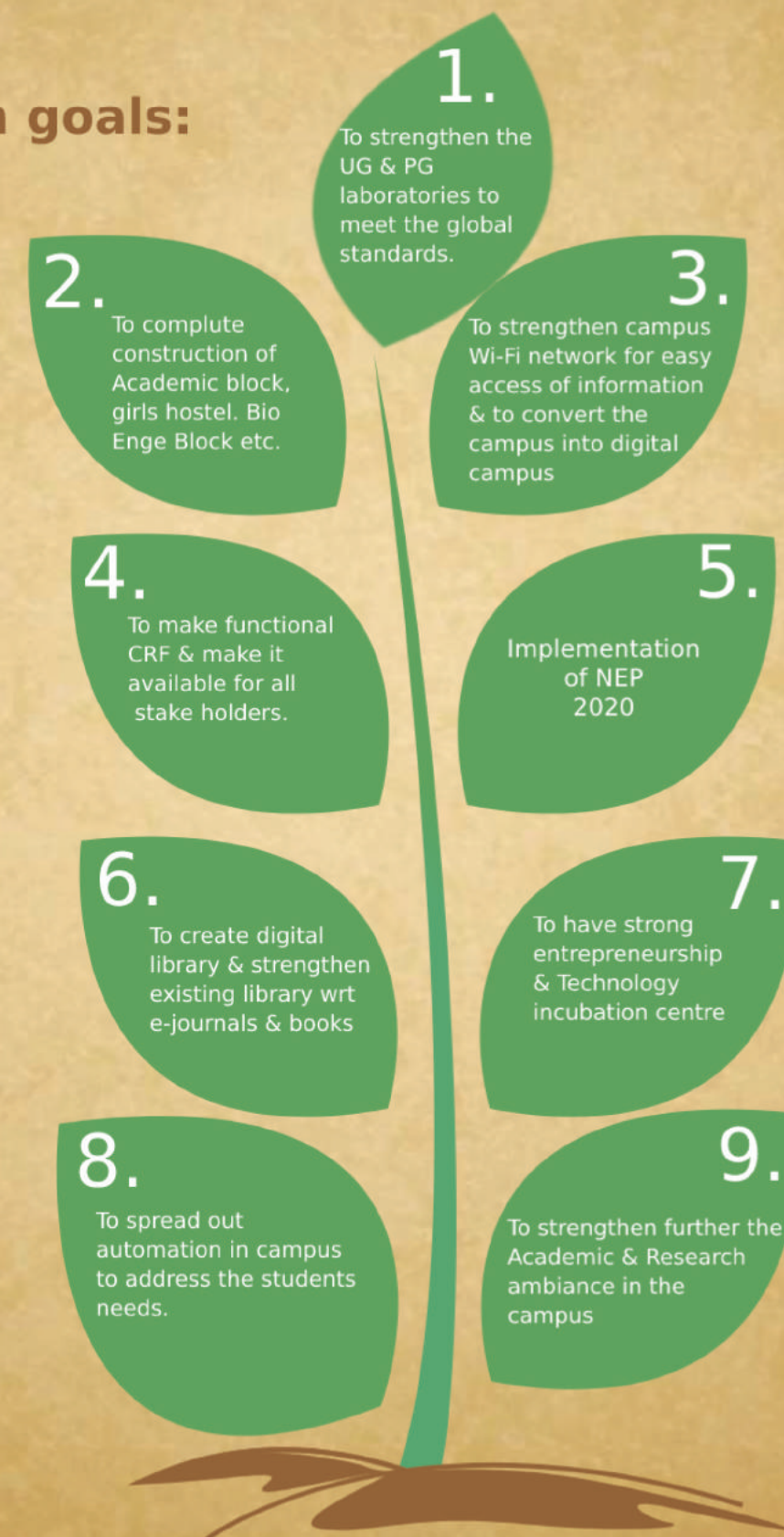
Objective

- To impart quality Education
- To develop professional attitude.
- To make good human being possessing professional ethics.
- To make responsible citizens with social commitme
- To develop entrepreneurial spirit among young professionals.
- To foster Research and development attitude.
- To ensure all round development

INSTITUTIONAL GOALS – SHORT AND LONG TERM

The Institute goal setting and developmental projections are carried out through active participation of all concerns by different brain storming sessions.

Short term goals (to be achieved within 5 years) and long term goals (to be achieved within 10 years).

Short term goals:

1. To strengthen the UG & PG laboratories to meet the global standards.

2. To complute construction of Academic block, girls hostel. Bio Enge Block etc.

3. To strengthen campus Wi-Fi network for easy access of information & to convert the campus into digital campus

4. To make functional CRF & make it available for all stake holders.

5. Implementation of NEP 2020

6. To create digital library & strengthen existing library wrt e-journals & books

7. To have strong entrepreneurship & Technology incubation centre

8. To spread out automation in campus to address the students needs.

9. To strengthen further the Academic & Research ambiance in the campus

Long Term Goals:

1. To make it leading Technical institution across the globe.

2. To produce quality manpower in all streams of Technical education.

3. To exhibit the Institution standing modality to attract foreign students.

4. To attract faculty of International standards.

5. To create a system to transfer Technology for commercialisation

6. To strengthen collaboration with other organisation across the globe.

7. To strengthen a centre to focus upon local resources & harness talent

8. To establish different centre /department and start need based educational program

9. To establish NIT Agartala as a centre of excellence in a holistic way in the country.

10. To implement phase wise NEP-2020

THE DEPARTMENTAL GOALS AND OBJECTIVES WERE EVOLVED THROUGH DISCUSSION AND DELIBERATION WITHIN EACH DEPARMENT.
THESE GOALS AND OBJECTIVES ARE DERIVED FROM THE INSTITUTIONAL GOALS. THE DEPARTMENTAL GOALS ARE INDICATED BELOW :

DEPARTMENTAL PROJECTIONS

- Library
- Civil Engineering
- Electronics & Communication Engineering
- Department of Management, Humanities & Social Sciences
- Computer Science & Engineering
- Department of Physics
- Production Engineering
- Chemical Engineering
- Department of Mathematics
- Mechanical Engineering
- Department of Chemistry
- Electrical Engineering
- Electronics & Instrumentation Engineering

Matters Related to Alumni Affairs and Institute Relation

Vision

To essence the change of Global Education and Training through collaborative networks with further aim to spread the message of brotherhood.

Mission

- Identification and negotiations with leading National/Global Institute imparting professional education, Universities. Research Laboratories and Industries for feasible collaboration in the industrial and academic research with better emphasis to solve burning problems.
- Proactive role in seeking potential partnership and curriculum development opportunities that complement the institute's Strategy in India and abroad.
- Provide a vision and leadership in reforming NIT Agartala as per the need of national/international research, teaching learning and training along with faculty members and higher functionaries of NIT Agartala.

Short term plan

- Signing formal and specific MOUs with Universities. R&D Laboratories, Industries and Professional Consultancy firms in India and abroad.
- Assist in seeking international research partnerships and funding to support research initiatives of the institute.
- Work with the Alumni Association to develop meaningful programs and initiatives that further engage alumni with each other and with current students and faculty.

Long term plan

- Provide leadership to facilitate interdepartmental and cross-country research among the faculty members and students beside their training activities.
- Promote research capacities, build strategic partnerships for bringing the standard of manpower to the international level through post doctoral research and other collaborative programs.
- Promote the international mission o f the institute for getting grants, International fellowships and scholarships
- Strengthening Alumni engagement with the institute to foster and facilitate relationships that generate opportunities for alumni, students and the Institute.

Planning & Development Affairs

Vision

All Sections of Dean (Planning & Development) are putting up committed efforts on continuous improvement in its areas of work by creating infrastructure and maintaining a secure lush green campus and friendly environment with the surrounding villagers in a cost effective manner.

Mission

- To create new infrastructure as per the requirements in proportionate to students intake.
- To provide maintenance of buildings, roads and other amenities of the campus.
- To put continuous effort for cleanliness, housekeeping and beautification of the campus.
- To maintain 24 X 7 round the clock security in the campus.

Short term plan

- Planning, monitoring and maintenance of all infrastructures as per schedule.
- To develop a methodology & robust the system of different outsource company in campus.

Long term plan

- Construction of adequate no of Faculty quarters, staff quarters and married Research scholar Hostel.
- Conversion of existing conventional lights and appliances to energy efficient lights and appliances.
- Up gradation of Roads and other infrastructure according to the future demands.
- Construction of 2000 capacity convention centre.
- Renovation of different academic departments, laboratories and Research facilities.

Academic Affairs

Vision

National Institute of Technology, Agartala will transform its students through education, innovation,creativity, research, and entrepreneurship to become professionals and impact the nation and the society to be at the forefront of ever changing world.

Mission

- To impart world class education in all frontiers of science and technology.
- To integrate knowledge and experiences both inside and outside of the classroom by faculty-student interaction, experiential learning and embracing new technology–making every opportunity into a possible learning outcome.
- To train future leaders who will serve the nation, society and the world with the highest standards of personal ethos and integrity coupled with patriotism.
- To empower the nation with high quality research and propel the nation to become the leading country in innovation, creativity and entrepreneurship.

Short Term Plan

- To start need based UG and PG programmes.
- To attract minimum International students in Undergraduate, Dual Degree, Postgraduate and Ph. D courses.
- Digital delivery or No Touch delivery of academic credentials through DigiLocker.
- To increase the number of scholarships for the students under several Govt. and private schemes.
- To increase the number of fellowships so as to improve research ambiance of the Institute.
- To have NBA accreditation to all the relevant courses.
- To improve the position in rankings such as NIRF.

Long Term Plan

- To attract international faculty for short/long term visits.
- To be one among the institutes in International Rankings.
- To introduce remote monitoring of Examination and Classroom teaching.
- Digital storage of all degree certificates and grade cards to be implemented.
- Online portal to be designed to inculcate online education.

Research & Consultancy Affairs

Vision

National Institute of Technology Agartala aims to be the leader in preparing professionals who can ingrate exemplary education and related services to make the lives of individual better in a changing World and to be the Centre of innovation and creativity, research and entrepreneurship, life-long learning, professionalism and collaboration with communities.

Mission

- To extend and deepen the knowledge about the development and utilization of manpower talent by imparting the values:
- To develop leaders through intentional learning–thorough academic inquiry, active thinking and to uphold the highest standards and principles of ethical conduct and accountability.
- To empower the students as an advocate for themselves, their communities and to create/support an inclusive community where everyone is treated with respect and dignity.
- To integrate knowledge and experiences both inside and outside of the classroom by faculty-student interaction, experiential learning and embracing new technology – making every outcome into a learning opportunity.

Short Term Plan

- Research activities will be taken up in different thrust areas such as energy sector, environmental science, structure, water resource, thermal engineering, bio-technology, agriculture, food processing, food safety and storage.
- Our institute will also set up essential infrastructures to support Micro, Small & Medium scale Enterprise (MSME) based project under the umbrella of " ATMANIRBHAR BHARAT" mission funded by Govt of India.
- All necessary research facilities will be developed to increase the number of high quality research publications, patents and technology transfer, sponsored research projects and industrial consultancy projects.
- At least one Center of Excellence will be built up carry out state of art research activities in specific area of science and technology.

Long Term Plan

- To increase the number of high quality research publications, patents and technology transfer, sponsored research projects and industrial consultancy projects.
- To increase the number of high quality research publications, patents and technology transfer, sponsored research projects and industrial consultancy projects.
- Center of Excellence will be built up carry out state of art research activities in specific area of science and technology.
- Freshly recruited young faculty members will be provided with start-up research project grant for doing high quality research work.

Department of Civil Engineering

Vision

The department is committed to contribute excellence in research, scientific and technical education to the nation.

Mission

- To impart quality education for fundamental knowledge in engineering science and technology with social responsibilities.
- To develop the engineering background of students towards employability, entrepreneurship and higher learning.
- To undertake collaborative projects to create opportunities for long-term industry-academia interactions.
- To develop continuous improvement in teaching learning process.

Short Term Plan

- To provide conducive environment for the students, faculty members and staff to develop the best teaching learning process.
- To develop state-of-the art laboratories and research facilities to cater the advance research and challenges in civil engineering.
- To encourage innovation and professionalism so that social requirements of rural India may be fulfilled either by indigenous solution or through transfer of knowledge.

Long Term Plan

- To start collaborative research with industries and to cater the future requirements.
- To develop continuous improvement in teaching-learning process and to develop state of the art laboratories to cater the present as well as future challenges in terms of local and global standard.
- To develop right attitude and high aptitude so that individual may excel in the competitive world maintaining high values and ethics.
- To build a Center of Excellence in the selected areas in civil engineering with the help of industry.
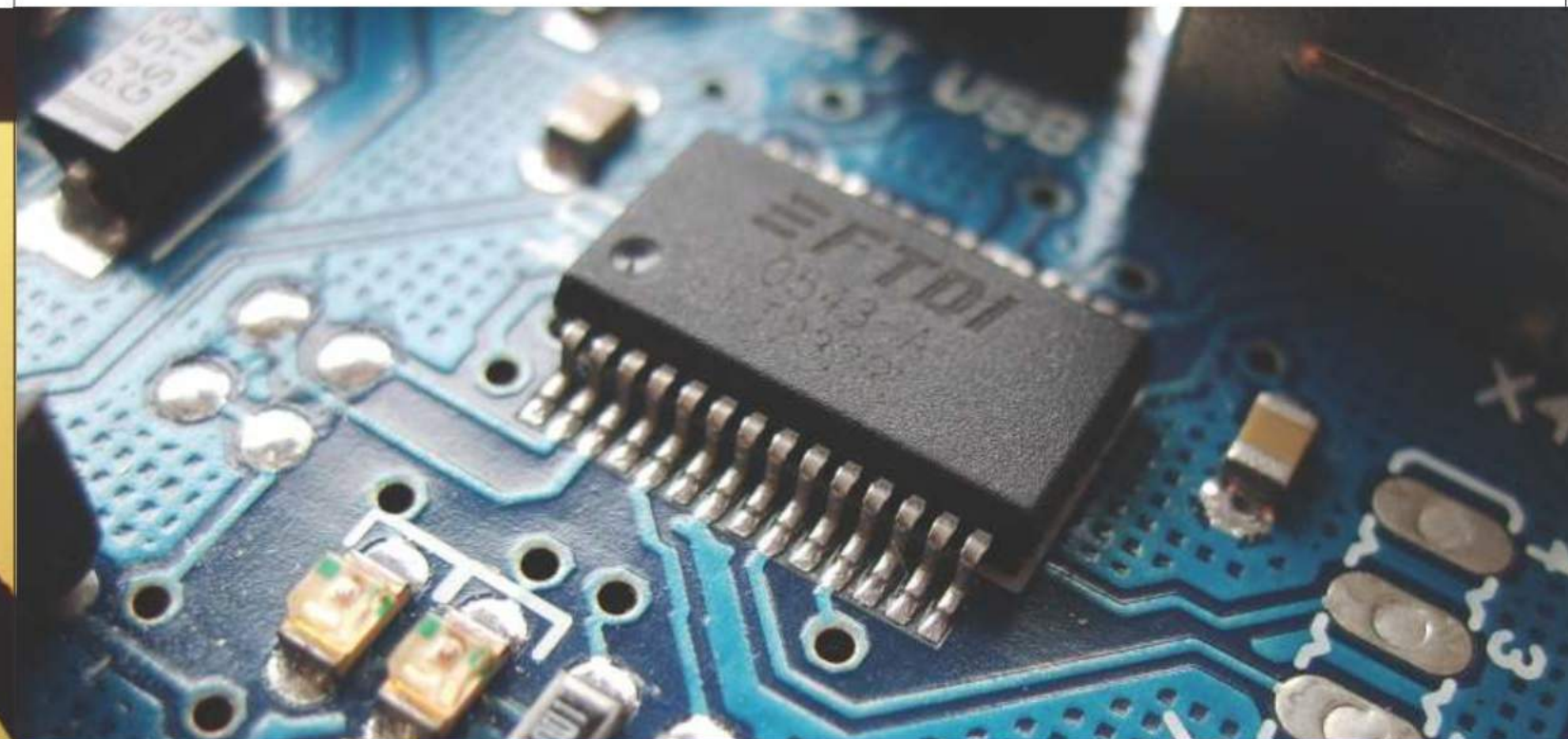
Department of Electronics & Instrumentation Engineering

Vision

To become a centre of excellence and to produce high quality, self motivated, creative and ethical engineers and technologists within the periphery of EIE, contributing effectively to universal science and contemporary education.

Mission

- To impart high quality engineering education and ethics to its students.
- To adopt the best pedagogical methods in order to maximize knowledge transfer.
- To have adequate mechanisms to enhance understanding of implementation of theoretical concepts in practical scenarios.
- To carry out high quality research leading to the creation and commercialization of Intellectual Property.
- To provide the best facilities, infrastructure, and environment to its students, researchers and faculty members, creating an ambience conducive for excellence in technical education and research.

Short Term Plan

- To update and maintain state-of-the art educational environment.
- To provide 100% placement by adopting versatility and side by side to increase the placement in core companies.
- To organize Conference, workshop, seminar and short-term training programms for the faculty and students. Initiation of one new M. Tech specializations under the department of EIE.

Long Term Plan

- To develop Center of Excellence in Electronics and Instrumentation Engineering Department in collaboration with industry.
- To set up R & D Laboratory in collaboration with industries and to inculcate consultancy work.
- To make all the faculties to publish papers in good indexed journals and to project their intellectual property.
- To make all the faculties to get research funding from various funding agencies and in particular from the invities.
- To elevate the outreach activities with different research organizations for publishing papers and books. To encourage students to become entrepreneurs.

Department of Electronics and Communication Engineering

Vision

To build ECE department as one of the top rank department of India by providing the best possible opportunities to the faculty, staff members and the students in various emerging areas to cope with the latest demand of industry and research.

Mission

- To provide state of the art teaching and research to the faculty members.
- To acquire deep knowledge in software and hardware fields to meet the growing need of the society.
- To produce competent manpower in industry, teaching and research.

Short Term Plan

- To invite more numbers of public and private sector companies for recruitment of graduate and post graduate students.
- To provide opportunities to encourage faculty, technical staff and students to culture the best available on line platforms and technology.
- To develop innovative method for imparting quality teaching.

Long Term Plan

- To attempt to attract bright students in the department.
- To create amenable and proper environment so that quality faculty members can join the department.
- To depute young teachers for training courses at various top level institutes in the country and abroad.
- To develop high quality research environment for the faculty members of the department by createing a Centre of Excellence .

Department of Electrical Engineering

Vision

Department is committed to produce competent Electrical Engineers with high aptitude and right attitude to meet the local and global requirements of all times maintaining societal commitment and professional ethics.

Mission

- To develop conducive environment for imparting quality education to improve fundamental knowledge and social responsibilities.
- To foster innovation, creativity, research potential and scientific temperament among students.
- To support the students towards skill development for employability, entrepreneurship, and higher learning.
- To develop continuous improvement in teaching learning process.

Short Term Plan

- Focus on interdisciplinary research and to trive for quality publications.
- Recruitment of adequate regular faculty members to mitigate dearth and upgrade the teaching-learning and research.
- Endeavour for obtaining sponsored projects.
- Carry out with continuing laboratory development to fulfill the need of enhanced intake of students.
- Association with educational and research institutions for joint academic and research activities.
- Publication of departmental Journal/magazine/newsletter.
- Introduction of PG courses in the emerging field mainly for service engineers.
- Recruitment of regular technical and office staff for laboratories management and official work.

Long Term Plan

- Envisage collaboration with National/International reputed Institutions, research laboratories and industries to work in the areas of mutual interest.
- Promotion of consultancy to provide technical services and solutions to industries as well as various organizations.
- Foresee the admission of foreign students under DASA scheme of MHRD, GoI.
- Exploring the possibility of Post-Doctoral Fellowship to augment the research and academic activities.
- Setting up state of the art laboratories in collaboration with industries to solve industrial problem by creating a Centre of Excellence.

Department of Computer Science & Engineering

- To introduce and transform the department into a multi-disciplinary stream so that students and faculties can collaborate with other departments for research.
- Strive to become a center of excellence in key areas.
- To promote entrepreneurship to achieve the country's goal of self-reliance.
- To maintain and foster interactive linkages with leading technological institutions and centers of research in India and abroad.
- To provide service to the community and nation through Continuing Education Programs for professionals working in Industry.
- To augment the curriculum for achieving the objectives of the NEP 2020.

Vision

To be an academic leader in the areas of Computer Science and Engineering, Information Technology and other potential of Computer Science with worldwide recognition.

Mission

The mission of the Computer Science and Engineering department is to -
- Provide high quality under graduate and post graduate educational programme in Computer Science and Engineering.
- Contribute significantly to the research and the discovery of new knowledge and method in computing.
- Offer expertise, resource, and service to the community.
  To retain the faculty members by providing opportunity for professional development.

Short Term Plan

- To start specialized PG courses in areas such as in Data Science and Engineering, Cyber Security, Wireless Network and IOT Cloud.
- To setup specialized laboratories for strengthening the research activities of the department.
- To engage in trans-disciplinary education and research.
- To engage in selective thrust areas of development thorough industry collaboration.

Department of Mechanical Engineering

Vision

To produce the bright young Professionals of Mechanical Engineering Sciences by providing excellent Teaching Learning Facilities with entrepreneurial skills for meeting the societal needs.

Mission

- To develop professional attitude so that the students may develop and sustain their skills as Mechanical Engineers.
- To provide Mechanical Engineering Expertise to Industry, government and society.
- To make good human beings possessing Professional Ethics.
- To make responsible citizens with social commitment to foster Research and attitude for development.
- To participate in all round development of the region.

Short Term Plan

- Implementing a curriculum considering the present and future demands of industries and global market.
- Designing and modeling course structure and contents to deliver latest technological advancement to the students. At the same time emphasis to be given to make students fundamentally strong enough to address any practical problem.
- Ensuring experimental exposures to handle real life problems with more confidence.
- Gate exam will be mandatory for all the students.
- Developing academic network and taking the maximum use of existing MoUs to exchange knowledge and use facilities on regular basis in an organized manner.
- To develop foreign language learning scope.

Long Term Plan

- At least one core project target for every faculty in next 10 years.
- Developing one under graduate/post graduate laboratory with at least five to ten new experimental facilities for every faculty using funds from external source.
- Collaborative research initiatives with other departments of the institute or other institute (project proposal / research publications).
- Setting up specific state of art research facilities/setups which have huge potential of research and consultancy.
- Departmental journal publication in collaboration with other department/ institutes in neighboring states and countries.
- Setting up infrastructure to develop products which solve the industry issues and social requirement.
- Promoting entrepreneurship development and also practicing it with inputs from experts.
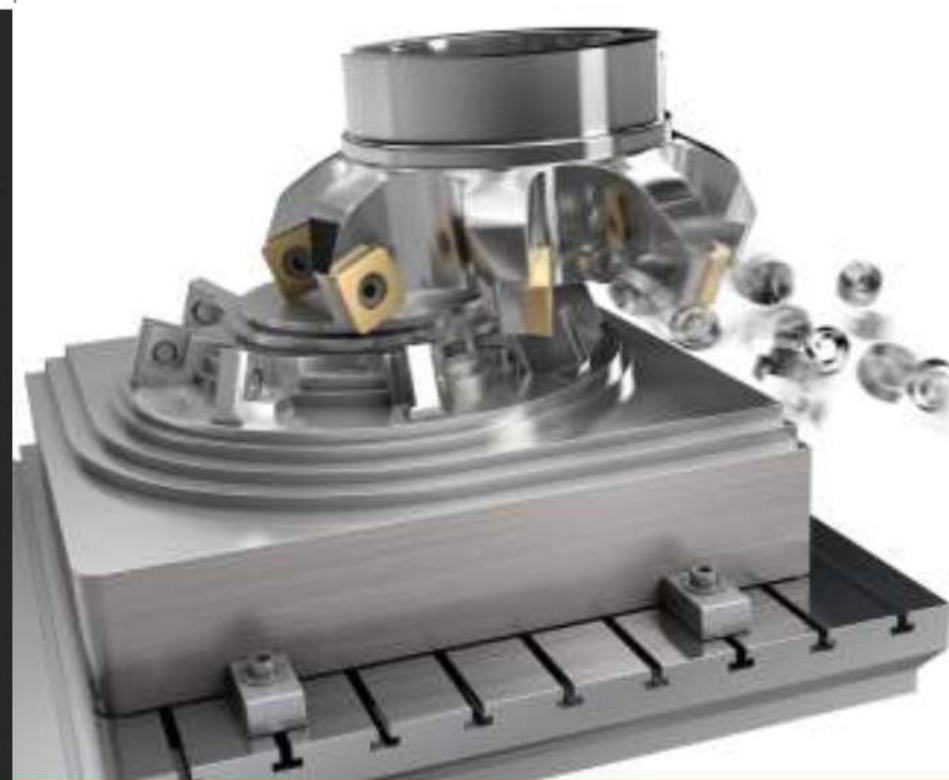
Department of Production Engineering

Vision

Production Engineering Department is committed to develop highly competent young Engineers, Scientist and Management professionals to cater the ever increasing techno - managerial needs of National and International standards fulfilling professional ethics and societal commitment.
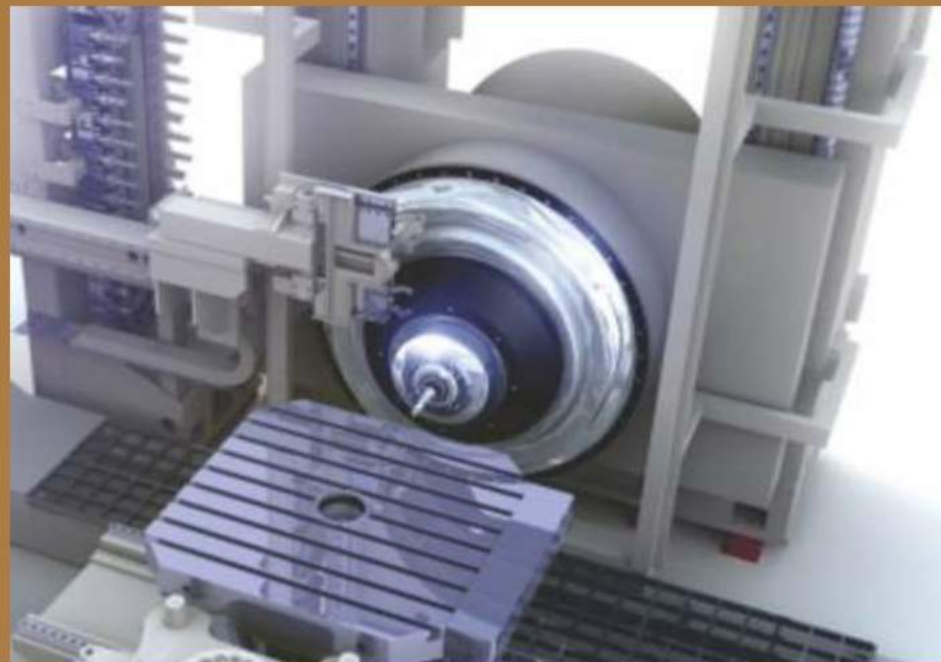
Mission

- To incorporate disciplines in knowledge acquiring, innovation, creative and problem solving abilities, intellectual with professional ethics, capacity for team work in inter disciplinary, national and international environment.
- The intended manpower for the global platform should access and essence the need of the society, culture and global processes.
- Align and educate students in their fundamental Knowledge to bring innovative technology and process to use the best available resources at NE Region.

Short Term Plan

- To create "Socio Development Cell" to render special service to the institute neighbouring uneducated poor.
- To Associate with educational and research institutions for joint academic and research activities.
- To carry out with continuing laboratory development to fulfil the need of enhanced intake of students.
- To conduct national and interactional seminar/ conferences related to the subjects of Production Engineering.

Long Term Plan

- To enrich the existing laboratories by installing sufficient and updated machineries and equipments relevant to the course curricula.
- To establish a centre or school under Production Engineering Department with a view to serving the practitioner engineers of near-by industries in terms of Quality and Reliability of manufactured products together with offering a master course (PG Degree) in the relevant field.
- More emphasis on the training in practical field has to be given to achieve more in depth knowledge of the subject.
- Interaction with other university students in terms of online workshop, technology transfer, and collaborative research can be promoted to excel the quality of education and research.
- To focus more on placements activities, research oriented works, patent, R&D projects like AICTE, DST etc.
- For the department to be self sufficient and for the development of both students and young technology enthusiasts' courses on skill development, job oriented courses on payment basis shall be introduced. It will enhance the skills and knowledge of students/youngster as well asemployability can be improvised.
- To incalculate enter transship ability the students and increase the regular faculty members in the Department.

Department of Chemical Engineering

Vision

To be leader in chemical engineering discipline.

Mission

To provide high quality technical education to produce globally competent chemical engineers, who will advance chemical engineering research in desired field and to produce competent engineers capable to provide industrial solution and decisive management.

Short Term Plan

- To continuously upgrade the teaching – learning process maintaining strict compliance to the requirements of the professional accreditation body such that the students can excel in their career goals while obtaining a strong foundation in the principles of chemical engineering.
- Improve the research activity qualitatively and quantitatively by improving the infrastructure, by seeking external funds and by promoting collaboration and cooperation.
- Enhance industry-institute collaboration to promote industry driven research, improve consultancy activities, and secure better career opportunities for students.
- Attract competent post graduate students and research scholars by offering state of the art research experience.
- Promote departmental activities and improve alumni networking to take the departmental presence to a future height.

- Integrate technology based learning, offer diverse career based specialization and multidisciplinary academic programs so as to impart a holistic education to the students.
- Promote innovation, expose to incubation, inculcate an interest towards entrepreneurial activities among the students through the teaching learning process.
- To produce cutting edge interdisciplinary research across the breadth of the chemical engineering discipline that will addresses future societal/technological needs and challenges and will readily be accepted by industry and the society.
- To contribute to and provide leadership in professional organizations, leading technical institutions, and government/industry drawing upon the unique expertise and experience of our faculty, and students.
- To establish the department as a hub of excellence which will contribute and catalyze sustainable development of the state and theNorth-east region through knowledge sharing, establishing networks, and producing manpower capable and competent to bring societal development.
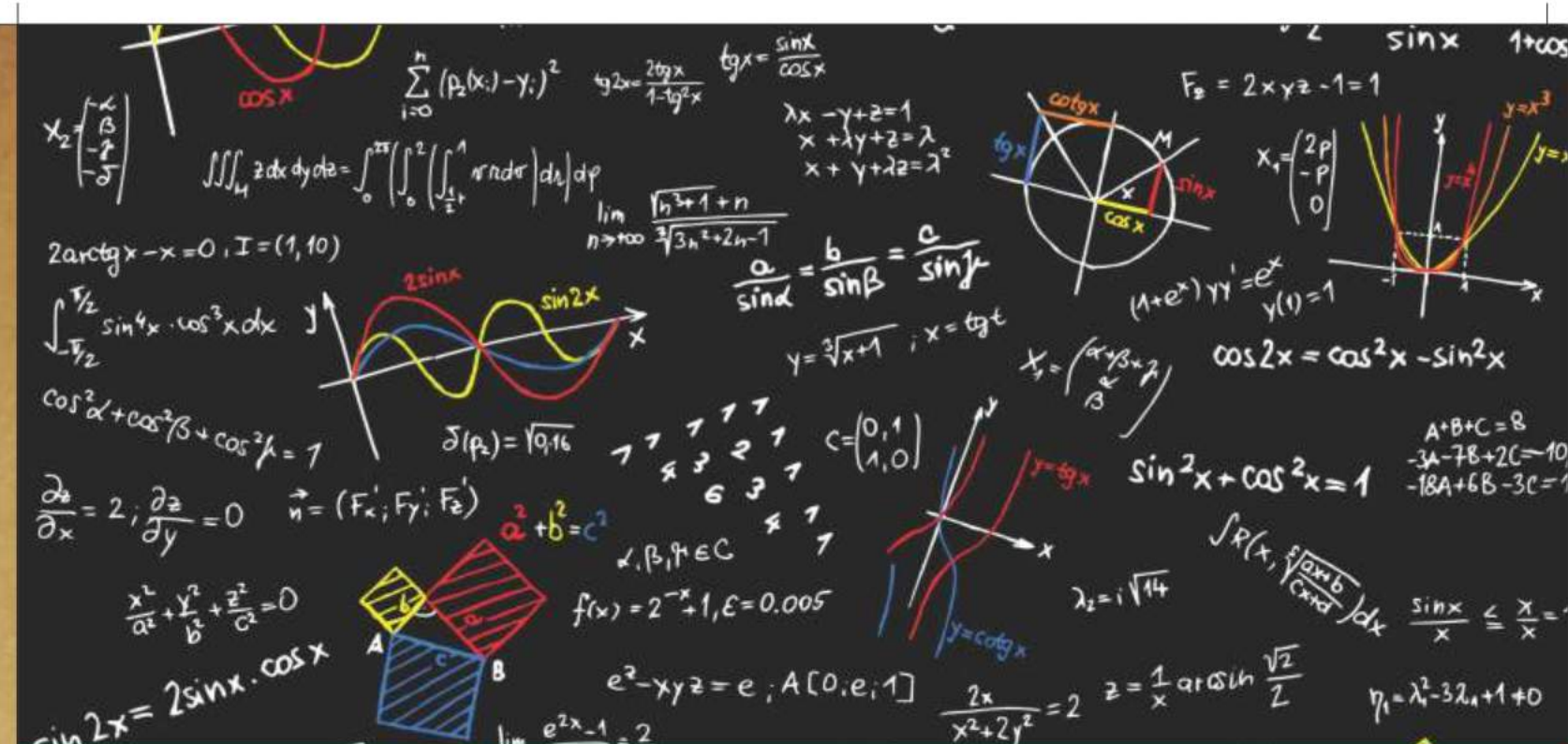
Department of Mathematics

Vision

This Department aspires to be known for its teaching and research excellence both nationally and internationally by inculcating strong mathematical abilities to its undergraduate, post graduate and doctoral students and establishing a framework for fostering budding intellectuals in the outcome-based education and research.

Mission

- To provide high-quality Mathematical skills to undergraduate, post graduate and doctoral students.
- To teach engineers how to apply mathematical skill and use that knowledge to solve complicated engineering issues by creating mathematical models to meet the requirements.
- To encourage the research scholars and faculty members of the Department to have exposure to various research contexts in India and overseas.

Short Term Plan

- To submit projects (yearly) by all the regular faculty members to various funding agencies.
- To conduct International conferences biennial which were organized in Mathematics Department in 2019, 2020 and 2021 respectively.
- Resolution of UG and PG project with at least one publication in SCOPUS/SCI journal.
- To apply for accreditation.
- To have smart class room and proper sitting arrangement for students.
- To set up conference room in the Department.
- To invite visiting professors from various top Institutes to teach different subjects of Mathematics and Computing under the outreach program of the department.
- To initiate MoU with different Institutes to further strengthen academics and research
- To initiate to increase the number of qualifying students in competitive exams like NET, GATE etc.

Long Term Plan

- To revise the syllabus to meet the further demand.
- To start an open access journal by Department of Mathematics which will be published by either of Springer, Elsevier and Taylor and Francis publishers.
- To set up Departmental library with sufficient books and sitting arrangement.
- To establish Data Science Lab and to create Centre of Excellence.
- To improve computer labs with advanced softwares.
- To purchase different Lab related equipments (OS10/8 original version, Proper LAN/ WIFI connectivity in all the computer, Antivirus protection in all computers, book shelves for equipment purpose) for smooth functioning of the labs.

Department of Physics

Vision

The Physics department aims to grow up as an excellent place of harnessing academic and research activities bringing out its visibility nationally and internationally by catering the young scientific minds to serve in the field of science and technology.

Mission

- To prepare the students for their future endeavour in Physics by providing interactions in the classroom and laboratories throughout their entire curricula.
- To contribute at the highest level of theoretical and experimental research in science and technology.
- To promote interdisciplinary studies and research to contribute in cutting edge technology developments.
- To develop the scientific and professional potential of faculty staff and students.

Short Term Plan

- To enhance the research productivity of the department in terms of quality publication with an objective to achieve world class research publications of high impact and thus to increase the visibility of the department and the institute nationally and internationally.
- To set up computation laboratory with an objective to train students in computational skills in physics and to develop computational research facility for contemporary works in science and technology.
- Up gradation of infrastructural facilities and development of research facility with an objective to upgrade the B.Tech first year laboratory, to develop experimental and theoretical facilities in research.

Long Term Plan

- To hare national/international research collaboration.
- To revise the course curriculum for adjusting the changes in the modern scientific era.
- To increase number of research labs and equip them with latest equipment.
- To achieve excellence in imparting quality education as well as research in Physics.
- To arrange more research funds from external sponsoring agencies like CSIR, UGC, AICTE, DRDO
- To make the department more students friendly and enhance free thinking to develop scientific knowledge.
- To introduce integrated PhD programmes and Post-Doctoral programmes.

Department of Management, Humanities & Social Sciences

Vision

"To emerge as a centre of excellence in creating human capital with social ethos that has potential to become assets in corporate world contributing to economic development of the society".

Mission

"Committed to serve the global society by nurturing and fostering the human intellectuality with distinct skills and knowledge by cutting edge technology, innovation and research in the field of management, humanities and social sciences".

Short Term Plan

- To have well equipped class room for online teaching-learning. It increases flexibility of time and location in respect of teaching.
- To have Memorandum of Understanding (MOU) with Universities or Higher Educational Institutes and
- Corporate houses to be built.
- To introduce Sociology in UG curriculum.
- To introduce Departmental electives in Financial Economics, Environment Economics and Econometrics in UG curriculum.

Long Term Plan

- Accreditation of MBA Program.
- To introduce integrated BA-B.Ed programme in Arts and Social Sciences as per recommendations of NEP
- Infrastructural development of the Department in terms of:
  - (a) Language Lab
  - (b) Computer Lab
  - (c) Human Resource
- To introduce 3 years executive MBA programs, which may help to develop managerial skills and planning. To carry out the programs weekend classes will be arranged.
- The existing Centre for North East Policy Research will be made more active so that state-of-the -art research activities can be taken up in the Center.
- Centre for Soft Skill Development may be opened.

Department of Chemistry

Vision

Department of Chemistry strives to contribute to a chemically literate society through teaching (with classrooms, labs, and research), scholarship, and service and Lead in fostering solutions to problems of global significance by collaborating across many disciplines both within and external to the Department.

Mission

- Provide a conducive environment for teaching and learning activities in all areas of Chemistry and modern topics in multidisciplinary/interdisciplinary areas.
- Develop industry-institute interaction by mutually developing industry oriented projects for the benefit of Society.

Short Term Plan

- To provide various levels of education and training through Flipped classroom, Active learning and problem based learning, etc.
- To develop Research laboratory with good infrastructure.
- To develop Materials Science laboratory for design, synthesis and characterization of materials for different applications.

Long Term Plan

- To develop laboratories for individual faculty members.
- To extend the theoretical and computational modelling laboratory for all kinds of modelling and simulations to create a Centre of Excellence.
- To develop Instrumentation centre in Chemistry for sophisticated instruments.
- Revision of syllabus.
- To encourage faculty members for research grants from funding agencies and enhance consultancy activities.
- To encourage faculty members to increase publications and filing patents.
- To encourage faculty members for collaborative research work with different institutions within and outside India.
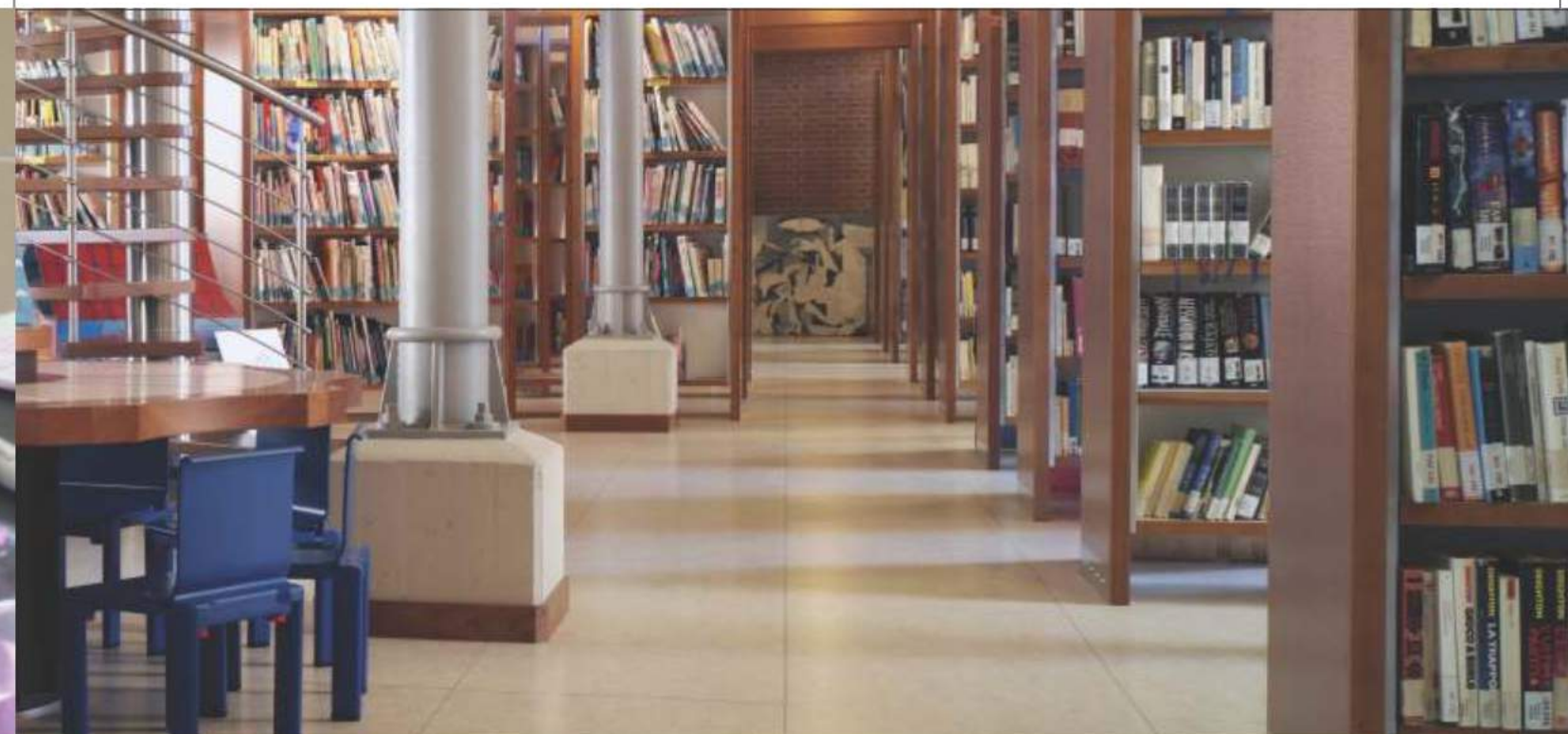
Library

Vision

To provide seamless access to the widest possible spectrum of information resources such as print, non-print materials, digital, online resources relevant to the curricular, informational and innovative research needs of the academic community. To adopt user friendly approaches of offering comprehensive services related to dissemination of information incorporating latest technologies.

Mission

- To provide comprehensive resources and services to cater to the needs of research and teaching-learning activities of the academic community.
- To facilitate access to right information at the right time in the right manner by innovative services. NITA Central Library will create knowledgeable persons by establishing a modern well equipped and well managed library and work towards the goal of making it an intellectual services station.

Short Term Plan

- To ensure maximum utilization of printed and non-printed resources of the library.
- Use of RFID technology for security, identification of the documents & saving of the time of the users.
- Subscribe to more print journals and providing access to more online full text abstracting journals.
- Procure latest printed & E-books and E-Journals.
- Enrich the non-book section.
- Full fledged use of Digital Library.
- Collection of online E-databases, CD ROM databases, Video courses and other audio visual courses.
- Arrangement for user education programme to be conducted quarterly for enabling the users to use the different library resources fruitfully.
- Collection, preservation and dissemination of information in digital format on various subjects of Science and Technology, Social Sciences (PhD theses, Technical reports, faculty publications of NITA research community)
- Set up archival collection section of rare and out of print documents.

- Overall development of library to ensure maximum services to the users and to save the time, labour of
- the users.
- To provide right information to the right person with minimum cost, labour and time. Utilization of reprography section and supply photocopy of the latest procurement of documents in science and technology

- To digitize archival collection and thesis & dissertation.
- To provide 24 x 7 OPAC facility of library through world wide web with facilities allowing online reservation, circulation and status of particular book.
- To provide alert services of new arrival of books, journals and to display photocopies of the articles published by the faculty members.

Long Term Plan

- Enrich library collection with latest documents
- Setup of Institutional Digital Repositories.
- To increase the online resources to cater to the demand of the students.
- Become notable depository among NITs and IITs libraries in India.
- Collection of back volume of periodicals and lectures of various video courses in Science and Technology, Collection of works of Novel Laureates.
- Collection of documents printed/non printed on latest research in different fields of Science and Technology and Social Sciences.
- Making the library more serviceable in proper planned building.
- Use of CCTV to ensure proper surveillance of various potential location of the library.
- To ensure better management & functions of library.
- To create the best reading atmosphere with entire satisfaction of the users.
- Utilization of uninterrupted power supply and internet connection for maximum benefit.
- To recruit best library professionals and to retain them.

Projection of Different Schools & Centres at NIT Agartala

C-DAC Satellite Centre, NIT Agartala

Towards boosting industry-academia partnership for research and development as well as facilitating high end training programmes in Information and Communication Technologies, the National Institute of Technology, Agartala has signed a MoU with Centre for Development of Advanced Computing (C-DAC), a scientific society under the Ministry of Communications and IT, Government of India on October 29, 2009 at Agartala.

The MoU envisages strategic collaboration between the two organizations for research and development in areas such as e-Learning, semantic web etc., and high-end non-formal training programmes in Information and Communication Technologies.

The various programmes which will be conducted includes

- Diploma in Advanced Computing (DAC)
- Diploma in Wireless & Mobile Computing (WiMC)
- Diploma in VLSI Design (DVLSI)
- Diploma in Advanced Computer Arts (DACA)

The certificate diploma programmes will also be conducted for the students. These programmes include the Certificate courses in Advanced Diploma in Information Technology (ADIT)

These high-end career oriented IT training programmes designed and developed by theAdvanced Computing School of C-DAC will assist the students in molding their skills based on the requirements of the IT industry thereby providing an advantage in placements and in their career path. The syllabi of the programmes are designed based on industry inputs and the IT training programmes have been developed taking the latest technologies in consideration.

Center for Rural & Tribal Development

A centre for Rural & Tribal Development has been set up in the main workshop building of NIT Agartala. Its aim is to give skill development training on various areas based on natural resource available like bamboo, cane etc. Besides that, motor driving, simulator training school has been established under the same centre. This will be an exposer to train tribal and rural people, in the area of driving all kind of motor vehicles. This will help to get employment and also it may generate self employment in this area.This centre has objectives to arrange different skill development program for people surrounding the campus of NIT Agartala,

Rural and Tribal people of Tripura in particular. The centre possesses infrastructure like driving simulator, bamboo processing machines etc.

Hospital

NIT, Agartala has already setup a separate fully dedicated hospital to the hole NIT community. It has both the indoor and outdoor facilities. Some eminent doctors are engaged for round the clock service for NIT people. The hospital is having 10 bad capacities separate for woman with all life saving drugs and facilities. Two numbers of pharmacists and seven other staffs are already engaged to help the people.

Kendriya Vidyalaya

The National Institute of Technology Agartala is an Institute of National Importance set up under NIT Act. A large number of academicians, teaching, non-teaching, administrative and technical different language have already joined and would also be joining this Institution. Obviously, they will permanently reside in the NIT, Agartala complex with family members. To provide proper educational facilities to their children of all officials of NIT Agartala, a Kendriya Vidyalaya has been set up in its complex. KVNITA is the first KV set up in the complex among all NITs. Presently, it runs 6 classes (Class I - VI) having 40 students is each class in temporary building with in the campus. The school accommodates a good number of students from rural area. The permanent building will come up with in next two-three years. The work has already been started.

Sports Facilities

A fully equipped sports complex will be set up in NIT Agartala with all kinds of sports activities and amenities. Its aim is to improve the co-curricular activities among the students of NIT Agartala.Besides that, lawn tennis court, basket ball court, volleyball court, badminton court, has been established under the same complex. Also a modernised multi gym facility and two swimming pools mainly for children and women will also be established. A common cricket and football ground with flood

light facility will also be introduced in the sports complex. This complex has objectives to arrange different sports activities for the students as well as the faculty members.The students of NIT Agartala has already been achieved some positions in football, table tennis, swimming at various NIT's like NIT Durgapur, NIT Calicut, NIT Silchar and NIT Rourkella.

Images of Kendriya Vidyalaya & NIT Hospital

Appendix-I

Report of External Review Committee

The committee visited the National institute of Technology. Agartala during October 20-22, 2019. Prof. Harish Kr. Sharma,Director, NIT Agartala welcomed the members at the international Guest House of NIT Agartala on the evening of 20th October 2019 and briefed about the action taken based on the observations given by the members of Peer Review Committee during their last visit during 24-25 January, 2016. He also appraised about further developments of NIT Agartala in multi-variety sectors and stressed on the societal commitments NIT Agartala is offering towards economically backward groups to uplift the socio-economic standard of this region. All the members including the Chairperson. expressed their satisfaction by observing the action taken report and the PPT presentation of the Director NIT Agartala.

Observation

1. The committee was impressed by the infrastructure in the campus in general. The facilities created for teaching and research in various departments with adequate space dedicated for the purpose including the hostels were impressive.

2. A sports complex and indoor facility have been provided.

3. Some of the activities undertaken by the students such as solar driven bicycle, bamboo stalk stripping, civil design for low cost housing, earthquake proof building designing are relevant for the local environment.

4. The faculty and research students exhibited a lot of enthusiasm in presenting their research activities. Few applications have been filed by the faculty for patents. Major research grants have been received by faculty in several areas. Impressive research work is being carried in frontier areas such as AI, ML etc.

5. The Institute shifted entire old library to a newly built building and digitized the access codes completely. The libraryis now quite good and appears to be well maintained.

6. There are about 301 Ph.D. students, which include full time as well as part time students.

7.The Institute has signed Memorandum of Understanding (MoUs) with IIT Madras and IIT Guwahati for executing joint collaborative research and direct admissions to Ph.D programmes. Through such MoUs, top performing students of NIT Agartala are eligible to pursue Ph.D after completion of their B. Tech curriculum in addition to this, MoUs have been signed with top NITs and other organizations (CMTI Bangalore, ONGC NEEPCO etc) for collaborative research, imparting training and internships.

8. In 2019, NIT Agartala has signed a MoU with Sonoma State University (SSU), California, USA. Through this MoU students of NIT Agartala will be able to pursue MS programme at SSU with nominal course fee structure. This will give a global exposure to the students of the institute it is worth mentioning that 7 to 8 courses, which will be taught by NIT Agartala will have credit transfer to SSu. This will further enhance the standard of professional education in global market

9. A unique MoU, meant for the faculty members to do their Post doctoral research while in service is also commendable. This MoU with 11 Madras Chennai along with the MoU for direct admission to the PhD programme.

10. Alumni association is active. A strong network has been established by the former students with in the country and abroad providing the institute a good alumni support in some key sector viz evaluation of project of students, mentorship program, internships etc.

11. It was clear that the Director is providing a dynamic leadership, evident from various initiatives he has taken and the enthusiastic participation of teaching and non-teaching staff during the visit.

The committee after considering all the inputs and observations made, makes the following recommendations:

Faculty and Staff:

1 Efforts must continue to fill in the vacant permanent faculty and staff positions.

2 After fulfilling 1 above, the sanctioned strength must be reworked based on the increased student strength and approval from MHRD obtained.

3 The provisions available to appoint visiting teaching faculty and adjunct faculty from reputed institutions in India and abroad and from industries are to be broadened.

14 Faculty to write proposals with active collaboration with industry, if possible, and continue to seek funding from different schemes of Government of India.

5. Teaching-learning program for the faculty can be taken up further to strengthen the teaching ambience in the campus.

Academic program:

1. The curriculum has to become truly a "Choice Based Credits System". Number of electives must be increased and "Open electives" to be introduced

2. Laboratory experiments need to be updated, obsolete experiments to be removed and replaced with state of the art.

3 Provision to be made for one or two credit forindustry relevant courses (exampl Python programming, Bigdata), and these courses can be handled by industry personnel.

4. Student internship should be further encouraged to increase the numbers.

5. The Institute incubation center to be broadened to add all areas apart from the present space technology in collaboration with ISRO.

Facilities :

1 Library timings can be extended beyond 20.00 h, especially during examination time Library to be kept during weekends Few parts of the library can be airconditioned.

2. Timing may be extended for girls to access library and other facilities up to 20.00 h.

3 In the library, book reservation system to be implemented.

4 Provision to be made for students to recommend new books.

5 Facility may be created so that a mini-library is made available to Girl Students in their hotels.

6 Students and faculty be provided access to the e journals/e resources from their workspace.

7 Internet (especially Wi Fi facility) should be improved in the campus 8 Shuttle bus service inside the campus can be provided.

From here to there... A journey towards excellence...

Strategic planning is an ongoing process and it needs to be changed from time to time to cope with the changing environment. Therefore, it requires a continuous evaluation and monitoring of the projected plan for effective implementation. This Institute is passing through a transition from state level college to an Institute of National Importance. A sudden step jump of level created a major impact on internal as well as external environment due to changing profiles and expectation of stake holders such as students, Faculty, Staff, Alumni, Socio-economic, cultural and geographical location factors. It requires total quality management (TQM) practices to achieve the projected goals. For sustainable development, it needs sustainable planning. In the era of liberalization, privatization and globalization, NITA emphasizes on business sense to remain globally competitive and opening up door for entry of large number of foreign students.

Finally, what prompts an Institute to improve is the understanding of its relative position in the changing environment - whether it is the leader or a follower-how to achieve the excellence.

Hopefully, this strategic plan- 2020-30 NIT Agartala will provide a guide lines to take appropriate actions towards its journey to excellence.

Appendix II

Constitution of Board of Governors and Organization Chart

The Board of the Institution shall consist of the following members:

- Ῠ The Chairperson to be nominated by the Visitor.
- Ῠ The Director. Ex officio
- Ῠ Two persons not below the rank of the Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance.
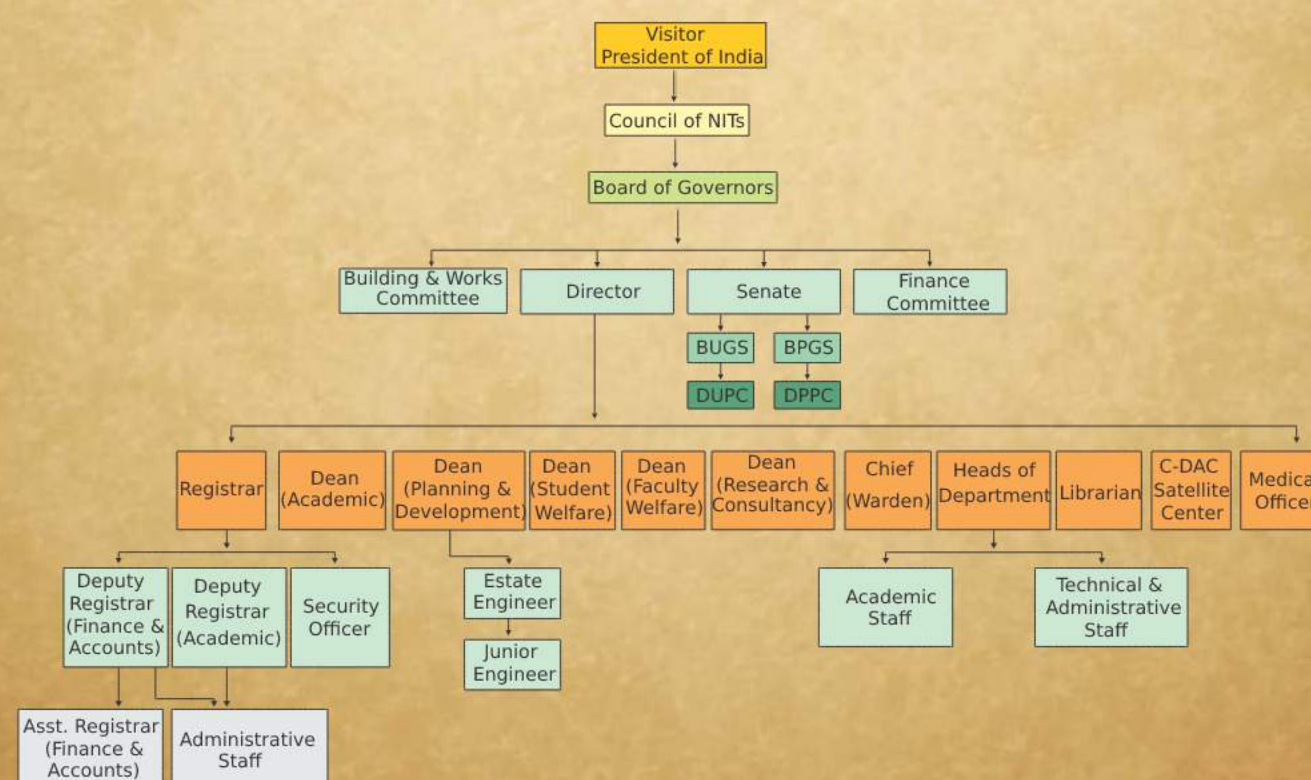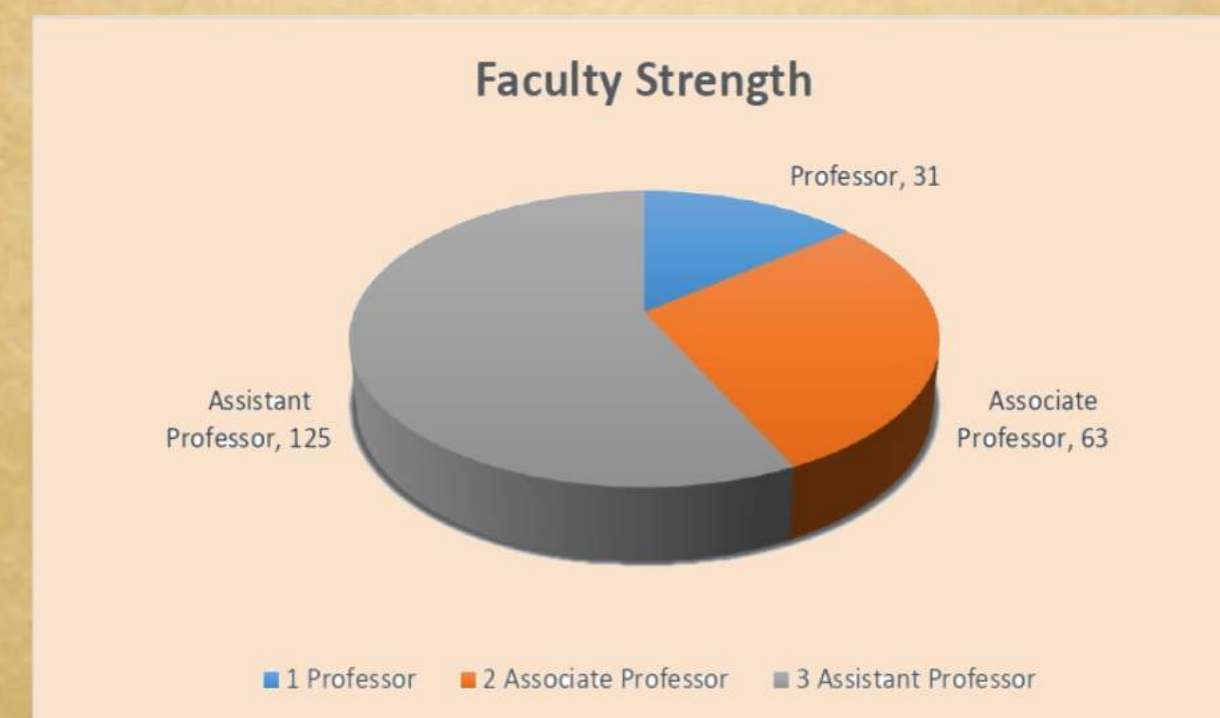

Appendix III

Faculty strength

Status of Faculty associated with teaching students as on January 31, 2021

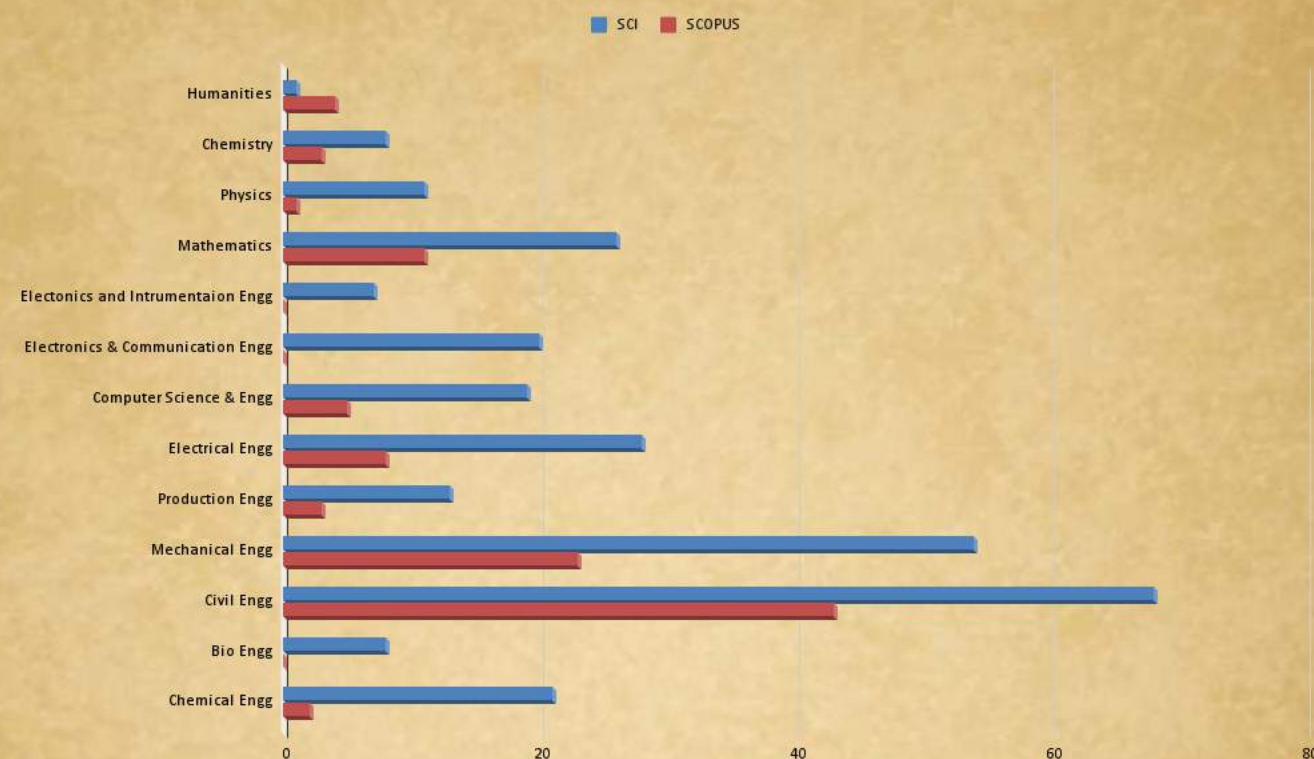| Sl. No	Faculty Rank	Sanctioned Strength
1	Professor	31
2	Associate Professor	63
3	Assistant Professor	125
	Total	219

Faculty Strength

Appendix IV

Paper Publication

The following chart reflects the total number of Paper published in various International Journals, by the faculty members of the mentioned depatments for the acedamic year 2020-2021.
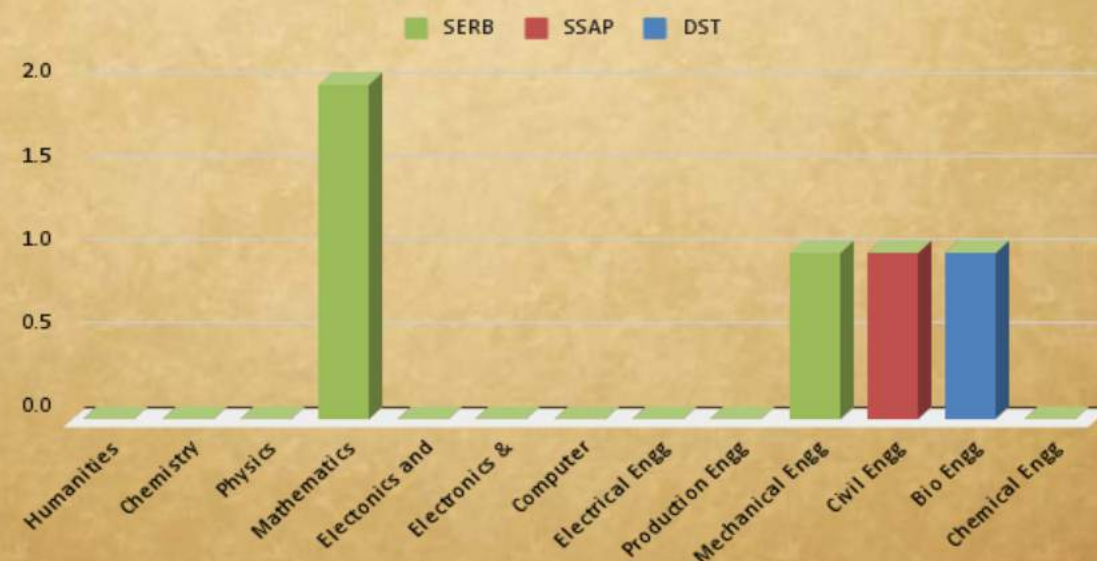
SCI and SCOPUS

Legend: SCI, SCOPUS. Departments (top to bottom): Humanities, Chemistry, Physics, Mathematics, Electonics and Intrumentaion Engg, Electronics & Communication Engg, Computer Science & Engg, Electrical Engg, Production Engg, Mechanical Engg, Civil Engg, Bio Engg, Chemical Engg. X-axis: 0, 20, 40, 60, 80.

Project Sanctioned during 2020-2022

The following chart reflects the total number of sacntioned projects during 2020-2022

DST, SSAP and SERB

Legend: SERB, SSAP, DST. Y-axis: 0.0, 0.5, 1.0, 1.5, 2.0. X-axis categories: Humanites, Chemistry, Physics, Mathematics, Electonics and, Electronics &, Computer, Electrical Engg, Production Engg, Mechanical Engg, Civil Engg, Bio Engg, Chemical Engg.

Appendix V

Placement and Training

Department of Placement and Training facilitates on-campus interviews and placements to all UG and PG students. Project work internships and industrial training is also arranged in prestigious companies. Career counseling and cultural/social awareness programs are organized by the department. Some of the companies are given as follows

Contd...

Total Number of offers received by the students through the Centre for Career Development (Training & Placement Cell) of NIT Agartala in the year 2017-18, 2018-19, 2019-20, 2020-21

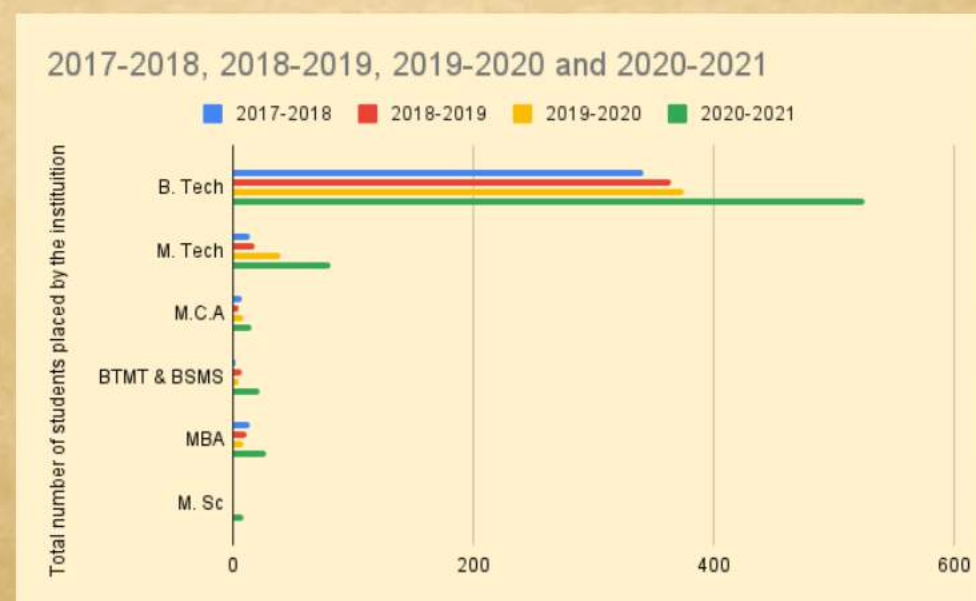| Year	Total number of students placed by the instituition				
2017-2018, 2018-2019, 2019- 2020 2020- 2021.		2017-2018	2018-2019	2019-2020	2020-2021
	B. Tech	341	365	375	525
	M. Tech	14	18	39	81
	M.C.A	7	4	9	15
	BTMT & BSMS	2	7	4	22
	MBA	14	11	8	27
	M. Sc	0	0	0	9
	Total	378	405	435	679

Fig: Students placed during the year 2017-18, 2018-19, 2019-20, 2020-21.
Provide details of companies/Industries, which visited the institute for placement since the last three years

Total 107 numbers of companies visited during the year 2017-18 to 2019-20 and the top 30 companies during this period are as follows :

Sl.No.	Year	Name of the Company / Industries
1		L&T Construction
2		Infosys
3		Wipro
4		Capgemini
5		Oracle Finance
6		HDFC Life
7		Vedanta Ltd
8		Wipro Turbo
9		IBM
10		ways2capital
11		Research.in
12		Infosys
13		Reliance Industries Ltd.
14		Byjus
15	2017-18, 2018-19 & 2019-20	DXC Technology
16		Reliance Jio
17		KEC International
18		Amdocs
19		KPIT Technology
20		Reliance IT
21		Nokia
22		Grifeo
23		Samsung R&D Noida
24		Accenture
25		ADP
26		Epic Research
27		L&T Heavy
28		Alstom
29		Topper.com
30		L&T Infotech

Total 101 numbers of companies visited during the year 2020-2021 and the top 30 companies during this period are as follows :

Sl.No.	Year	Name of the Company / Industries
1		DNJ Infotech
2		Grifeo
3		Nokia
4		Paytm
5		ESL Steel (Vedanta)
6		Byju's
7		O9 Solutions
8		Wipro
9		Infosys
10		CGI
11		TCS
12		Viraj Profiles Ltd.
13		Amdocs
14		JIO
15		L&T Constructions
16	2020-2021	Deloitte
17		LTI
18		Arti Industries Ltd
19		Zopsmart
20		Acadecraft
21		Mphasis Ltd.
22		Capgemini
23		AMNS India Ltd
24		Tata Power
25		PULSUS Health Tech
26		Incture
27		KEC International
28		Alstom
29		Varroc
30		Accenture

Appendix VI

Student intake in B.TECH Programme

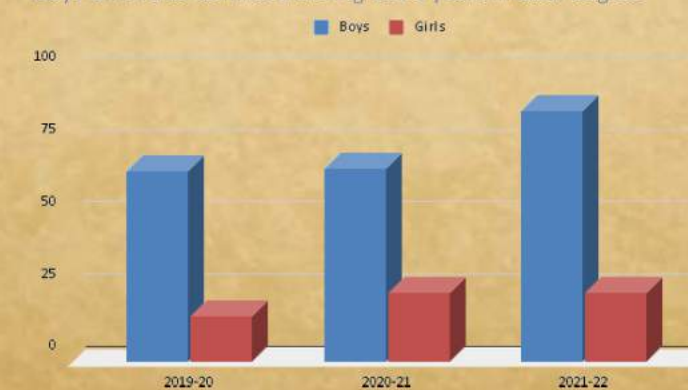| Year	Boys	Girls	Total
2019-20	651	185	836
2020-21	689	242	931
2021-22	673	255	928

Boys Girls ratio admitted during last 3 years in UG - B.Tech
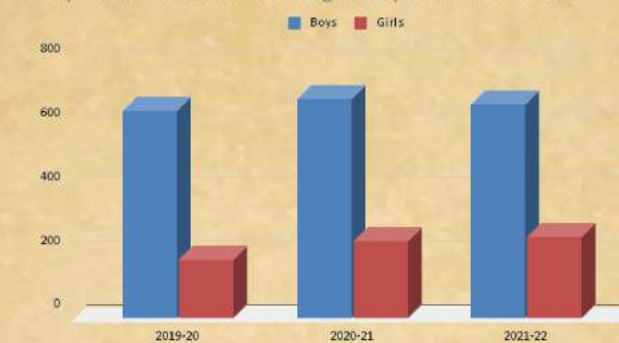
Student intake in DUAL DEGREE Programme

Year	Boys	Girls	Total
2019-20	66	16	82
2020-21	67	24	91
2021-22	87	24	111

Boys Girls ratio admitted during last 3 years in Dual Degree

Students Admission as per the category

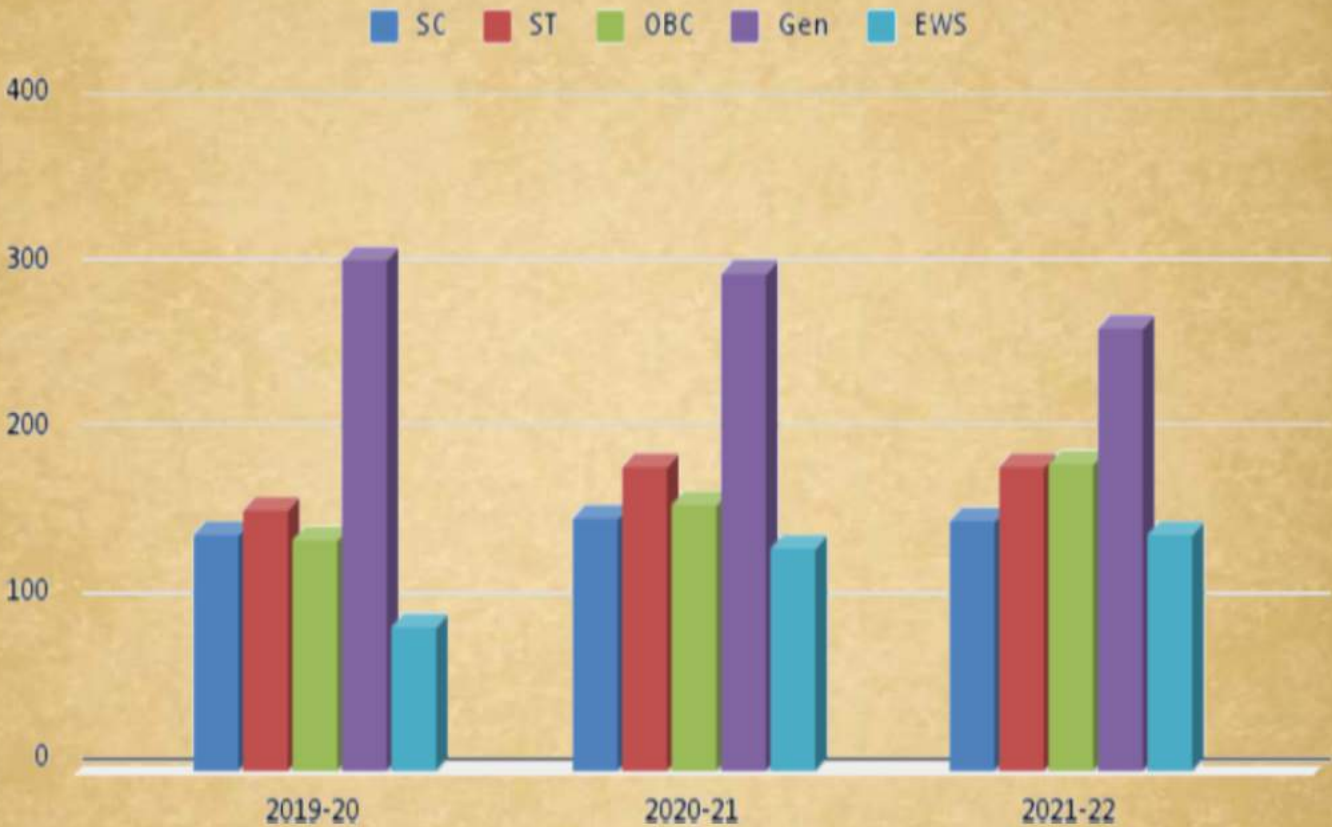SC, ST, OBC, Gen and EWS ratio during last 3 years

Legend: SC | ST | OBC | Gen | EWS

Fig: SC, ST, OBC, GEN and EWS ratio admitted during last 3 years in UG level

Student intake in M.TECH Programme

Year	Boys	Girls	Total
2019-20	166	51	217
2020-21	196	73	269
2021-22	167	68	235

Boys Girls ratio admitted during last 3 years in PG level
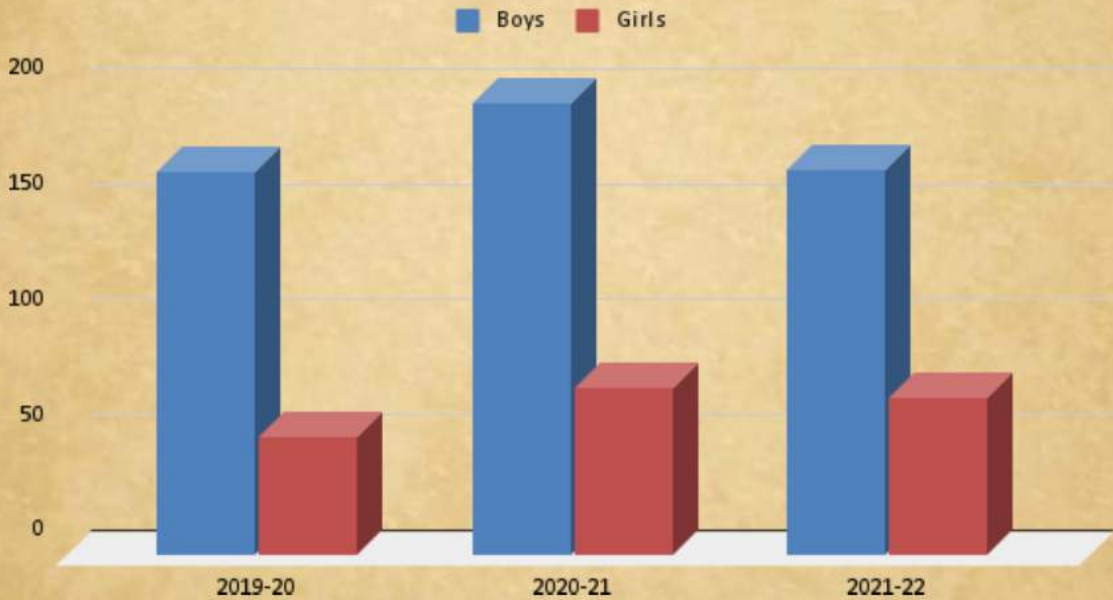
Legend: Boys | Girls

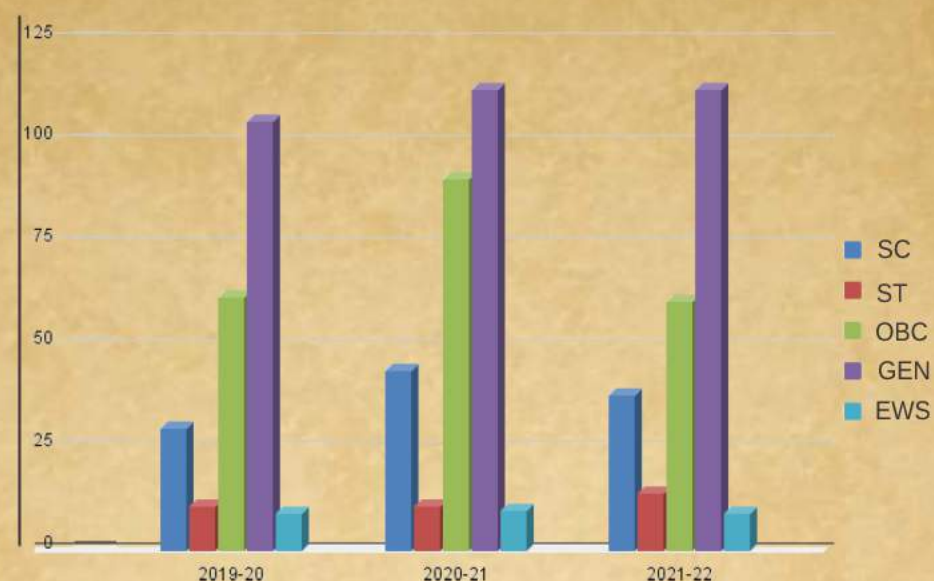Fig: Boys Girls ratio admitted during last 3 years in PG level

Fig: SC, ST, OBC, GEN, EWS ratio admitted during last 3 years in PG level

Appendix VII

NIT, Agartala Hostel Information

Sl.No	Name of the Hostel	Hostel Type	Intake Capacity
1	Howrah	Boys Hostel	30
2	Gomati	Boys Hostel	30
3	Gargi	Girls Hostel	443
4	Dhalai	Boys Hostel	88
5	Aryabhatta	Boys Hostel	938
6	RNT	Boys Hostel	1500

Construction of Infrastructural Buildings: COMPLETED

Sl. No.	Name of the Works
1	Construction of Boys and Girls Hostels, Dining and Common Rooms. (Aryabhatta and Gargi hostel)
2	Construction of Market Complex(G+1)
3	Internal Road Development.
4	Construction of Laboratories cum Canteen Building, Workshop and Academic Building. Construction of G+6 Academic Building
5	Construction of Staff Housing, Guest House, Director's, Residence.
6	Construction of Central School
7	Construction of Administration Block I & II and Seminar Hall.
8	Construction of School of Management Block(Presently Civil Engineering Department).
9	Construction of Computer Centre and Central Library (Knowledge Centre).
10	Construction of New Housing (H4B two blocks consisting of 48 flats).
11	Construction of Duplex housing(10 nos)
12	Additional Floor of Central School.
13	Construction of Sports Complex at NIT Agartala
14	Area development works in and around Central libaray and CSE Department.
15	Construction of 1500 Capacity Boys Hostel at NIT Agartala (R.N. Tagore hostel).
16	Up-gradation of the internal main road with both side footpath including side drain, electric post, sitting arrangement at a certain interval & conduit from main gate-1 to auxiliary gate-2 via housing and boys hostel & auxiliary gate-2 to main gate-1 and auditorium to existing playground (old) at NIT Agartala
17	Supply, Installation, Testing & Commissioning of 14(fourteen) numbers lifts in Administrative Building 1 & 2, School of Management, ECE building, International Guest House & DONER and Central Library at NIT Agartala.
18	Special Repair, retrofitting and up gradation of Old Library building, at NIT Agartala.
19	Construction of boundary wall at R.N. Tagore Hostel
20	Construction of ATM counter 04(four) nos at NIT Agartala
21	approach road through Auditorium to Main road near Aryabhatta hostel
22	Approach road New workshop building

WORK IN PROGRESS

Sl. No.	Name of the Works
1	Special Repair, retrofitting and up gradation of Dhalai Hostel building, a Agartala, Tripura
2	Construction of 200 capacity Girls hostel at NIT Agartala, Tripura.
3	HVAC, Stage Craft, Stage Light, Sound System, Projector System, Siting Arrangement in the Seminar Hall at NIT, Agartala.
4	Extension of height of boundary wall of NIT Ahgartala
5	Up gradation of 2-stored building adjacent to Knowledge Centre at NIT Agartala
6	Car Parking Shed at NIT Agartala
7	Construction of Children Park at NIT Agartala
8	Annual maintenance of all the building including hostel and quarters of NIT Agartala
9	Comprehensive Annual Maintenance Contract (AMC) of Lift installed at NIT Agartala
10	Campus. Comprehensive Annual Maintenance Contract (AMC) of DG set installed at NIT Agartala Campus.

UPCOMING PROJECTS

Sl. No.	Name of work
1	Water supply arrangement at NIT Agartala by way of constructing water treatment plant based on ground water including construction of ground water reservoir, installation of pump set and pipe line distribution system and other allied works.
2	Central Lecture Hall.
3	Up gradation of Chemical Engineering Department (Old Library Building) .
4	Electromechanical work in the swimming pool of Sports Complex at NIT Agartala.

5	Extension of Academic Building at NIT Agartala.
6	Annual Mtc. of 33/11 KV substation including transformer of different capacity at NIT Agartala
7	Providing and fixing of firefighting facilities at NIT Agartala.
8	Construction of Academic building for the Department of Planning and Architecture(G+2 storied at NIT Agartala
9	Conversion of existing conventional lights and appliances to energy efficiency lights and appliances.
10	Construction of 200 Capacity married research Scholar Hostel at NIT Agartala
11	Construction of 2000 Capacity Auditorium at NIT Agartala.
12	Extension of Central Lecture Hall Complex at NIT Agartala
13	. Implementation of Rain Water harvesting bore well recharge facilities.
14	Up gradation of Internal road of NIT Agartala.
15	Master scheme for electricity distribution, Substations, DG Set & External Electrical installations for NIT Agartala campus
16	Construction of the Convention Center at NITA.
17	Construction of Vocational skill Dev. Center at NITA.
18	Extension of existing Dispensary cum Hospital at NITA .
19	Campus Surveillances.
20	Waste (Soil & Bio-medical) Management, Disposal & Treatment at NITA.
21	Land Development.
22	Construction of Mechanical and Production building.
23	Construction of Physics, Chemistry, Mathematics and MHSS building.
24	Repairing of existing building and renovation of the workshop and laboratories.
25	Construction of Drivers, sweeper & cleaner rooms at NITA.
26	Supply, installation, testing & commissioning of High Mast Lighting arrangement at NIT Agartala Campus.
27	Supply, installation, Testing and commissioning of internal electrification works including Mtc. Of different building of NIT Agartala
28	Supply, installation, Testing and commissioning of AC Machine including AMC of different buildings of NIT Agartala.
29	Supply, Installation, Testing, Commissioning and Replacement of damaged/ burned underground LT Cable under NIT Agartala.
30	Revamping of natural Lake and beautification of NIT Agartala

Find your calling

B. Tech

Civil Engineering
Mechanical Engineering
Electrical Engineering
Computer Science & Engineering
Electronics & Communication Engineering
Production engineering
Electronics & Instrumentation Engineering
Chemical Engineering
Biotechnology & Biochemical Engineering

M. Tech

Geotechnical Engineering
Structural Engineering
Environmental Engineering
Transportation Engineering
Water Resources Engineering
Seismic Science & Engineering
Hydro Informatics Engineering
Thermal Science & Engineering
Manufacturing Technology
Machine Design
Automotive Engineering
Material Science & Engineering
Power Electronics & Drives
Power System Engineering
Instrumentation Engineering
Integrated Energy System
VLSI Design
Communication Engineering
Computer Science & Engineering
Artificial Intelligence
Computer Integrated Manufacturing
Chemical Engineering
Biotechnology & Biochemical Engineering

M. Sc   BT-MT   BS-MS   MCA   MBA   Ph.D   Post - Doc

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