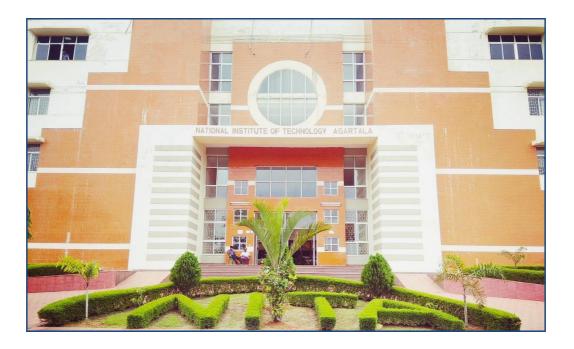




### NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA



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### 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**

- i. 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.
- iii. 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.
- iv. To empower the nation with high quality research and propel the nation to become the leading country in innovation, creativity and entrepreneurship.

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### 1 Introduction

National Institute of Technology, Agartala (NITA) is a centrally funded institution, in the state of Tripura, India. The Institute got upgraded from the erstwhile, state-run, Tripura Engineering College by the Union Cabinet on 23<sup>rd</sup> February 2006. This is the 20<sup>th</sup> National Institute of Technology (NIT) in the country and is the 2<sup>nd</sup> in the North-Eastern region. The Institute imparts quality education in the field of engineering, management, basic science and humanities.

### **1.1** Profile of the Institute

The Government of India converted the Tripura Engineering College to National Institute of Technology Agartala on 1<sup>st</sup> April 2006 vide notification No. F. 20-20/2004/TS III/ dated 10.03.2006 of the Ministry of Human Resources Development (MHRD), Govt. of India. During the conversion, Tripura Engineering College was offering undergraduate degrees in Civil, Mechanical, Electrical, Electronics & Communication and Production Engineering.

After the conversion to NIT, in 2010-11, the Institute started two UG courses Electronics & Instrumentation Engineering and Chemical Engineering. After that, during the Academic Session 2012-13, a Bio-Engineering course at UG level was started. Apart from the UG courses, the Institute now offers a postgraduate degree in MBA, MCA, M. Tech in 23 specializations and MSc in basic science. Besides these academic curricula, the Institute provides an opportunity for research. The research carried out at the departments of the Institute has produced more than 100 PhD scholars. The Institute presently has 13 departments offering UG, PG and PhD courses.

Majority of the admission to this Institute is based on an all India entrance tests and or national counselling. The UG students are admitted to the Institute for the seats that are allocated by central seat allocation board (CSAB) under joint seat allocation Authority (JoSAA), based on the performance of these students, in the joint national entrance examination main (JEE Main). The Institute also invites international students to undergo UG studies under Direct Admission of Students Abroad (DASA) scheme.

For admission to M. Tech courses, students should have a valid GATE score and should appear in the Centralized Counselling for M. Tech./M.Arch./M.Plan (CCMT). Besides the regular intake, to promote higher education among the employed persons, few seats are kept reserved for sponsored candidates from academia and industry. Admission to the MCA course in the Institute is based on the performance of the candidate in the national level entrance test NIT MCA Common Entrance Test (NIMCET). The students for the MSc program are admitted through Centralized Counselling for M.Sc./ M.Sc. (Tech.) programmes in NITs and CFTIs (CCMN) based on the performance in joint admission test for M.Sc. (JAM). The unfilled seats of M. Tech/MSc are filled up locally based on a test and or interview. The regular PhD scholars are admitted through interview after they qualify in the written test. From the academic session 2021-22, admission to MCA programme will be held based on Institute level examination (written or viva or both) for the vacant seats left after the admission through NIMCET. The Institute makes wide publicity about the PhD admission in reputed all India as well as local newspapers. The curricula of UG, PG and PhD courses are strictly governed by the rules and regulations laid down for each course.

The classrooms and the laboratories of the Institute are equipped with modem facilities. The Institute provides computer labs in each department, to provide the students access to the

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worldwide net to upgrade their knowledge. Besides the computer centres of the departments, there is a central computational facility, mostly for the first year UG students. The computer science and engineering department has a PARAM Shavak super-computer. The state-of the-art library cum knowledge centre has over fifty thousand textbooks and online e-resources. The Centre for Career Development (CCD) assists to arrange internship and placement for the students of the Institute. Besides the academic curriculum, the Institute encourages its students to participate in extra-curricular activities after the academic hours. The students actively participate in sports and techno-cultural activities.

The faculties of the Institute are highly qualified and have good expertise in their fields. The Institute has established academic tie-ups with IIT Kharagpur, IIT Guwahati, Jadavpur University, IIEST(Formerly BESU), NITK Surathkal, NIT Warangal apart from other renowned University / Institute of India and abroad. There is an agreement with IIT Madras, whereby the top 10% of the B.Tech students of engineering departments are allowed to pursue their final year at IIT Madras. After that, depending on their performance, they may be allowed to carry out integrated PhD programs at IIT Madras. The Institute has taken the initiative to go into a similar agreement with reputed national and international Institutes. Apart from this, a continuing education cell in the form of a national-level research centre in areas like Geotechnology, Information Technology and Renewable energy have been established. Industry-Institute Linkage has been revamped for catering to the needs of industrialization of the region at large and the State in particular.

The hostels in the Institute accommodate more than 3000 boys and 500 girls. To take care of the health of the students, the Institute has a medical unit in its campus. Doctors are present, round the clock, here. To help the students financially, the Institute implements various scholarships of the government of India and various state governments.

The Institute is administered by the Director of the Institute under the direct supervision of Board of Governors (BoG) of the Institute headed by the Chairman. The Institute is governed as per NIT Act 2007. His Excellency, The President of India, is the Visitor of the Institute. The academic policies of the Institute are implemented by the Dean Academic Affairs after the approval by the SENATE of the Institute and ratification by the Board of Governors (BoG). The Planning and Development of the Institute are implemented through Dean (P&D). All the student-related affairs are looked after by the Dean (SW). The works of Research and Consultancy are looked after by the Dean(R&C) while Dean (FW) is In-Charge of all the faculty related works in the Institute. Chairman (AA&IR) looks after all alumni affairs and affairs of Institutional Relations. The Registrar is responsible to the Director for proper implementation of all the policies of the Institute.

#### Memorandum of Understanding (MoU)

NIT Agartala has signed Memorandum of Understanding (MoU) with several Institutions/ organizations, Indian and abroad, that has contributed towards betterment of the students and faculty members of the institution. Some of the salient features of MoUs with some of the institutions/ organizations are given below:

- 1. Under MoU with IIT Madras, IIT Delhi and IIT Guwahati, students of NIT Agartala in the B. Tech. courses may get chance, based on merit, for pursuing direct Ph. D programme in those institutions.
- 2. Under MoU with VNIT Nagpur, the M. Tech. in Material Science & Engineering in

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Mechanical Engineering Department is a twining course. Students in this specialization gets a chance to study atleast one semester in VNIT Nagpur during the course.

3. Under MoU with Sonoma State University (SSU), California, USA, students of NIT Agartala gets exposure in several transfer program as per terms and conditions of the MoU.

### 1.2 Location

NIT, Agartala is situated at E 339387.823 m longitude and N 265495.384 m latitude and is 43.786 meters above the sea level. The climate in the Institute campus is moderate. The temperature varies from the minimum of  $6^{\circ}$  C in the winter to the maximum of  $35^{\circ}$ C in the summer. The area has an approximate annual rainfall of 2200 mm. At present, the area of the campus of the Institute is about 365 acres.

The Institute is located in the midst of serene greenery having a picturesque natural beauty. It is about 4 km away from the National Highway (NH-44) and about 20 km from Agartala, the capital city of Tripura. Agartala is linked with the rest of the country by road via Silchar and Guwahati. It is also connected with Guwahati by train. It has got direct Air Link with Kolkata, Delhi, Chennai, Bangalore, Hyderabad, Guwahati, Silchar and Imphal. The nearest railway station from the Institute campus in Jirania. The Institute campus is connected with the national highway by an all-weather metaled road. Regular transport facilities are available from and to Agartala.



### **1.3 Academic Facilities**

The Institute has all basic infrastructural facilities for conducting under graduate courses satisfactorily. It has got adequate number of well qualified and experienced faculty members and technical & supporting staff. This a part the Institute has the following facilities:-



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- Centralized Library (Knowledge Centre),
- Computer Laboratory (Department-wise)
- Workshops
- Upgraded Laboratories with the latest equipments.
- Campus Internet (Local Area Network and Wi-Fi)

### 1.4 Other Campus Facilities

The Institute has both Boys' hostel and Girls' hostel facilities. Presently there are 5(five) Boys' hostels with a total intake capacity of 3000 and Girls' hostels having intake capacity of 500. However, seats are limited at present and once the construction of the hostel is completed all the students of the



Institute will be in a position to stay in the campus. At present, all the students coming from the states other than Tripura are given accommodation in the hostels. Besides this, the students from remote parts of Tripura are also accommodated in the hostels based on the availability of seats. Students who propose to stay in the hostel are required to fill up a form for admission. The prescribed form is available with the officials of the office of Chief Warden. Students selected for admission to Hostel have to deposit necessary fees (as indicated in section 8).



Boys Hostel (Aryabhatta)

**ABV Sports Complex** 

### 1.4.1 Medical Care

The Medical Unit is well equipped with adequate Medical Officers including pharmacists and other supporting staffs are available in the campus for rendering medical care to the students, staff and other inmates in the campus. In case of emergency, arrangements are made for shifting the patients to the Jirania Rural Hospital (Primary Health Centre) which is 4km away from the campus. In case of grave necessity, the patients are also taken to the State Hospital at Agartala.

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### 1.4.2 Banks and Post Office

The State Bank of India and Canara Bank has a branch with ATM facilities operating from the Institute campus. Apart from this, the Punjab & Sindh Bank has also an ATM facility in the Institute premises. The Tripura Gramin Bank runs one branch in the Institute Complex. There is a Sub-Post Office in the name of "NIT, Agartala" in the Institute campus and its PIN Code is 799046.

### 1.4.3 Communication

There are to and fro direct private bus services from Agartala to Institute. Besides this, daily commuters get an adequate number of buses, jeeps, and private vehicles. These ply regularly on NH-44, the road that links the Institute to Agartala.

### 1.4.4 Extra-Curricular Activities

The students actively participate in all co-curricular activities like games and sports, technocultural festival, essay competition, drama competition, rallies on various themes, NSS programmes etc. sponsored by the State Government, Central Government and other statutory bodies and the Institute authority. N.S.S or N.C.C. is a compulsory subject for all students of first year.



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### 1.4.5 Library (Knowledge Centre)

NITA Central library started its functioning in the year 2006 with limited resources in an old small building (Formerly it was Tripura Engineering College managed and controlled by the Higher Education, govt of Tripura) Since then it has grown in size and content to take a notable shape.

NITA Library is now in a new sophisticated building with all modern amenities for library readers. At present the ground floor with 2282.00 sqm. and the first floor with 2282.00 sqm. of the new building is being utilized by the library. The new Library building also known as 'Knowledge Centre' has large floor area with following sections- Acquisition, Processing (Technical), Circulation, Reserve, Reference, Literature, Non Book, Text Book, Digital library, Reprography, Back volume Journals (bound) and other Periodicals, Current periodicals and magazines display.

Purified water facility, lavatories, ample lit space for reading with adequate sitting capacity are provided in both the floors for making an aesthetic appeal to the library users. The whole library is covered with CCTV surveillance. NITA Library is also equipped with round the clock uninterrupted power supply and network facility through broadband connection. The existing digital library is under renovation in its new premises with 40 seating capacity. There is a separate conference room in the library.

NITA Central Library is open access and the library collections are organized by Dewey Decimal Classification system. The library is at present equipped with facilities and resources in the forms of books, periodicals, dissertation, thesis, CD ROM, back volumes journals, e-resources etc.

At present the library holds 69629 no's of books and the metadata of the same had been prepared to enrich the OPAC (Online Public Access Catalogue) system for searching the available resources of the library. There is a dedicated terminal at ground floor of library for searching the OPAC (Online Public Access Catalogue) and borrowers' details.

The library is equipped with RFID (Radio Frequency Identification) system. In addition to security of library materials (tagged) this system provides the facilities like self-check-in and check-out, identification of tagged materials.

The library uses LIBMAN software linked with central MIS system. Automated registration of membership and circulation of library books are provided through this software. At present the library has more than 4000 members. A good number of books are being issued to students numbering around 15500 books per year.

More than 2500 e-journals, databases through ESS and 50000+ e-books on perpetual access basis are available to the users of NITA. At present NITA library has been provided with 14 publishers' e-resources covering most of the fields particularly in science & technology, management by ESS (e-ShodhSindhu consortium formed by the guidelines of MHRD, Govt. of India).

There is a reprography section in ground floor to provide the facility of photocopying the documents by the students, faculties and research scholars with minimum photocopying charge of Re. 1 (one) per exposure.

Library has a written and approved rules and regulations for better management and administration of library services. The most notable matter in the library rules is that students (both UG & PG) below the poverty line belonging to general communities together with backward communities can avail the facility of borrowing and holding additional 2 nos. of books for permissible period.

Institute library has participated in the NDL project of MHRD, Govt. of India and the registered members can browse through the rich contents of NDL portal. NITA Library provides 'URKUND' Plagiarism Detection Software to facilitate its stakeholders in scholarly publications. Creation of institutional repository using Dspace is also in progress.

Library has a plan of starting documentation works and services especially in science &

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Engineering. Library will start the facility of providing the online question papers of previous years' examinations.

### **1.5 Centre for Career Development**

Centre for Career Development (CCD) is to assist students in their career exploration and successful job search and to successive placement. The centre provides regular guidance to the students regarding their career ambitions. The aim and objective of the centre is to motivate student to adopt career oriented mindset in conjunction with job orientation.

The centre facilitates convenient interface for the companies to interact with students so that it is mutually beneficial for both the student mass and for industry and corporate sectors. Such programs could inspire and motivate young talent towards core engineering sectors in order to meet the demands of the corporate world staging a drive for national progress and to become diligent citizens.

CCD invites and welcomes different industries, organizations and experts from various engineering and management sectors to visit the campus for interaction with the students. This facilitates them with a sound platform to interact with our young talented and dynamic students to meet their recruitment needs. The diverse skill acquired by the students and the extensive theoretical knowledge, they have gained from the curriculum, definitely makes them an asset for any organization.

By gathering consistent feedback from corporate visitors, CCD draws the attention of the authority and makes students aware regarding themselves to set their career path towards excellence. During this pandemic situation, CCD has gone further to conduct all the recruitment drives, organizes training sessions, workshops, webinars and internship through virtual mode. The centre always makes the recruitment drive a comfortable process for recruiters and enriching experience for the students in the following manner:

- Provides placement assistance
- Ensures placement drive
- Assists national and international internship/summer training opportunities
- Organizes training program in association with the corporate and industries.
- Arranges special lectures by executives from industries and corporate to cater to different geographies and industrial needs.
- Conducts mock interview for pre-final year students.
- Organizes value added programs such as the personality development and communication skills.

Various companies visited during the academic year 2020-21 for the campus placement. Few of the companies are Publicis Sapient, Paytm, Amdocs, Delhivery, Wadhwani AI, Icertis, Zopsmart, Incture, Nokia, Capgemini, Deloitte, MAQ SOFTWARE, Oracle, LTI, JIO, Jungleworks, Alstom, Varroc, Raam Group, Accenture, Cairn Oil, Optum, Xenon Stack, Thermax Limited, O9 Solutions, Wipro, DeltaX, Halliburton, Truminds, Pie Infocomm, S2Tech, Oracle CGBU, Informatica, Intellect Design Arena Ltd., Infosys, Byju's, EvoSys, L&T Constructions, AMNS India Ltd, Arti Industries Ltd, iLogitron Technologies, Walkover, CGI, TCS, DNJ Infotech, Dalmia, ITC, ESL Steel (Vedanta),

Tata Power, IndiaMart, NTT Data, DxSherpa/ Vyomlabs, Network Intelligence, Syngene International Ltd, ISC Software, Lumen Technologies, Cognizant, Infoedge, PULSUS Health Tech, Virtusa, CES Ltd., PlanetSpark, Maruti Suzuki, Acadecraft, Tredence, Capgemini, Mphasis Ltd., and iQuanti.

The total no of offers among the undergraduate eligible students for the academic year 2020-21 is 452 and that of MBA is 20 offers. The highest package offered is 14.5 LPA and the average package is 6.5 LPA for the academic year 2020-21.

### 1.6 SCHOLARSHIP

Scholarship are awarded to the students at under graduate level of this Institute based on the guidelines of State Government and Central Government subject to the fulfillment of academic and other criteria. The scholarship that are available for the B.Tech students of this Institute showing category, income and duration of stipend are given below:-

SI. No.	Name of the Scholarship Scheme	Eligibility Criteria	Procedure to apply for the Scholarship
1	Post Matric Scholarship (SC)	<ol> <li>Total annual family income from all source sunder the Scheme is Rs. 2.5 lakh</li> <li>No Mark Bar (SC students are eligible to apply for the same after Advt./announcement by the irrespective State Govt. in the leading newspapers of the State and through their respective Websites and other media outfits.(criteria-As per state norms) For detailed scholarship scheme and eligibility criteria for PMS-SC, all the students are requested to visit the following link: http://socialjustice.nic.in/pmsscd.php</li> </ol>	Through National Scholarship Portal System
2	Post Matric Scholarship(O BC)	<ol> <li>Total annual family income from all sources under the Scheme is Rs. 1.5 lakh</li> <li>No Mark Bar (OBC students are eligible to apply for the same after Advt./ announcement by their state govt. in the leading newspapers of the state and through the irrespective web sites and other media outfits. (criteria-As per state norms) <u>For detailed scholarship scheme and eligibility</u> <u>criteria for PMS-OBC, all the students are requested</u> <u>to visit the following</u> <u>link:http://socialjustice.nic.in/postmatric.php</u></li> </ol>	Through National Scholarship Portal System
3	Post Matric Scholarship (ST)	tric 1. Total annual family income from all sources under	

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SI. No.	Scholarchin Eligibility (ritoria		Procedure to apply for the Scholarship
4	Minority Scholarship (Moma Scholarship)	<ol> <li>30% of scholarships are earmarked for girl students.</li> <li>(Muslim, Sikh, Christian, Buddhist &amp; Parsi) Categories meritorious students should have secured not less than 50% marks in the previous final examination.</li> <li>Not more than 2 students from the family.</li> <li>Scholarship allocation to States/UTs on the basis of population of minorities.</li> <li>The scheme is implemented through the State Govt./UT Administration.</li> <li>Can avail scholarship from not more than one source</li> <li>A scholarship holder under this scheme will not avail any other scholarship/stipend for pursuing the course.</li> <li>The annual income of the beneficiary/parent or guardian of beneficiary should not exceed</li> <li>Rs. 2.50 lakh from all sources</li> <li>For More Details Please Visit:-http://nimt.ac.in/moma- scholarship-scheme/</li> </ol>	Through National Scholarship Portal System
5	Central Sector Scholarship (SC)	<ol> <li>Those SC students who have secured admission in the notified institutions according to the norms prescribed by the respective institutions will be eligible for the scholarship under the scheme to the extent of the number of scholarships allocated to the Institutes concerned.</li> <li>The ceiling of total annual family income from all sources under the Scheme is Rs.6 lakh</li> <li>The scholarship will become payable immediately after a student has secured admission and has started attending the classes.</li> <li>The scholarship will be terminated if the student fails to pass the final examination of each year or any terminal examination prescribed. He will, however, remain eligible for the Post-Matric Scholarship. For detailed visit the following link http://socialjustice.nic.in/topclass.php</li> </ol>	Through National Scholarship Portal System
6	Central Sector Scholarship (ST)	<ol> <li>The total family income of the student from all sources should not exceed Rs. 6 lakh per annum.</li> <li>Only those Scheduled Tribe students who have secured admission in notified Institutions will be eligible for the scholarship.</li> <li>If the number of the ST students admitted in a particular Institution exceeds the number of awards allocated to that Institutions than the scholarship will be restricted to that number of students who occupied top slots in the inter-se merit list. For detailed visit the following link: http://tribal.nic.in/Content/TopClassEducation.aspx</li> </ol>	Through National Scholarship Portal System
7	UP Scholarship	InipFor detailed scheme and eligibility criteria for UPTscholarship, all the students are requested to visit the following link: http://scholarship.up.nic.in/Onli	
8	Post Madhyamik Scholarship	<ol> <li>No income bar</li> <li>No Mark Bar for SC/ST Students.</li> <li>Secure 50% mark in previous Exam for General</li> </ol>	Through Prescribed Application

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SI. No.	No. Scholarship Eligibility Criteria		Procedure to apply for the Scholarship
		students.	Form
9	National Handicapped Finance Development Corporation	<ol> <li>Students should have not less than 50% marks at higher secondary/graduation level</li> <li>A scholarship holder under this Scheme will not avail any other scholarship/stipend for pursuing the course.</li> <li>The annual income of the beneficiary/parent or guardian of beneficiary should not exceed Rs. 3.00 lakh from all sources.</li> </ol>	Through National Scholarship Portal System
10	North Eastern Scholarship	<ol> <li>The stipends and book grants are open only to a candidate who is a permanent resident of any of the States in the North East</li> <li>The maximum marks for the grant of stipend should be 75% for General/OBC/MOBC and 60% for SC/ST candidates in the relevant qualifying examination for Diploma, Degree and Post-Graduate courses.</li> <li>Selection will be made on the basis of merit in all cases. For detailed visit the following link: http://tripuraepass.cgg.gov.in/</li> </ol>	Through National Scholarship Portal System
11	ONGC Scholarship	<ol> <li>Only for Electrical Engg, Chemical Engg, Mechanical Engg, Electronics Communication Engg</li> <li>3<sup>rd</sup> year branch toppers.</li> <li>Scholarship duration one year only.</li> </ol>	Through Prescribed Application Form
12	lOCL Scholarship	<ol> <li>Gross Joint annual income of the family of the student from all sources should not exceed Rs. 1,00,000/- (Rupees One Lakh only). However, in case of the, preference will be given to the students whose family income is upto Rs. 60,000/-</li> <li>The maximum marks for the grant of stipend should be 65% for General, 60% for SC/ST/OBC/Girls and 50% for PwDs candidates in the relevant qualifying examination for Diploma, Degree and Post-Graduate courses.</li> <li>For detailed visit the following link: https://iocl.com/aboutus/scholarships.aspx</li> </ol>	Through Prescribed Application Form
13	TBSC (Tripura Board)	<ol> <li>Secure 60% mark in previous Exam for General students.</li> <li>The ceiling of total annual family income from all sources under the Scheme is Rs. 6 lakh. For detailed visit the following link: http://tbse.in/new/scholarship.html</li> </ol>	Through Prescribed Application form
14	Special Scholar ship Scheme For North Eastern Region Under UGC	<ol> <li>Students with domicile of NER who have passed ClassXII or equivalent exam from a school situated with in NER through any recognized Board of Education, including Central Board of Secondary Education (CBSE), Indian Certificate of Secondary Education (ICSE), National Institute of open Schooling (NIOS) within NER only, and have secured admission in general degree course, technical and professional courses including medical and para-medical courses (Integrated courses included) in Universities/ Colleges/ Institutions recognized by UGC under Section 2(f) of UGC Act, within and outside the States of NER.</li> <li>For availing scholarship under this scheme, the income</li> </ol>	Through Prescribed Application form

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SI. No.	Name of the Scholarship Scheme	Eligibility Criteria	Procedure to apply for the Scholarship	
		of the parents of the student should not exceed Rs.		
		4.5 lakh per annum.		
		For detailed visit the following link:		
		http://www.ugc.ac.in/ner/		
NOTE	NOTE: 1. It is to be noted that a student can avail only one scholarship at a time from any one			

source.2. Apart from the list above, any other scholarships are notified in the official website of the Institute.

### 1.7 Award/Accolade

- i. The Gold Medal awarded to the student from both the undergraduate and post graduate studies who have been secured highest marks among all the branches.
- ii. The Gold Plated Silver Medal awarded to the branch topper only.

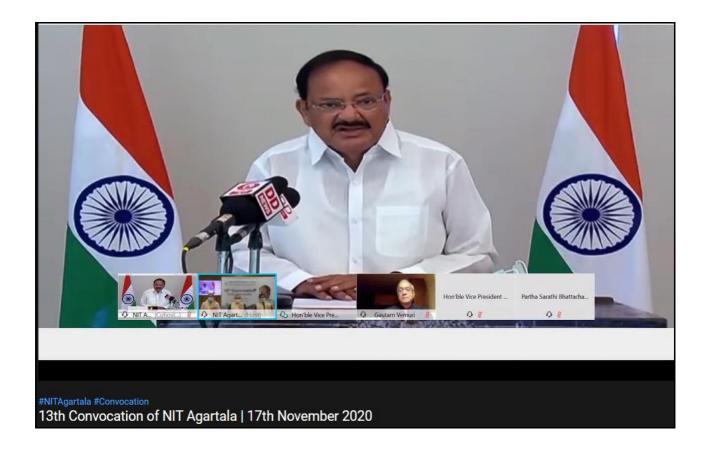


Aerial view of Knowledge Park



Aerial view of International Guest House

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# PROSPECTUS [UG] 2021-22

# NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA



### 2 Intake capacity and admission requirements

### 2.1 Intake Capacity

National Institute of Technology Agartala runs four-year Degree Courses in the following disciplines at under graduate level. The intake capacity against each branch of engineering at B.Tech level along with dual degree programme in science & engineering has been shown below:-

#### **B.Tech**

SI.No	Course	Intake capacity	Intake capacity under DASA
1	Civil Engineering	118	17
2	Mechanical Engineering	125	19
3	Electrical Engineering	125	19
4	Computer Science & Engineering	150	23
5	Electronics & Communication Engineering	128	19
6	Production engineering	113	17
7	Electronics & Instrumentation Engineering	75	11
8	Chemical Engineering	75	11
9.	Biotechnology & Biochemical Engineering	50	8
	Total-	959	144

**Note:** From the academic year 2021-22, the branch of Electronics & Instrumentation Engineering will function under Electrical Engineering Department. However, the Degree of B.Tech in Electronics & Instrumentation Engineering will be given to the students.

#### BS-MS (Dual degree programme in science)

SI. No	Course	Intake capacity
1	Physics	25
2	Chemistry	25
3	Mathematics & Computing	25
	Total-	75

#### **BT-MT (Dual degree programme in Engineering)**

SI. No.	Course	Intake capacity
1.	Engineering Physics	25
2.	Computational Mathematics	25
	Tot	al- 50

### 2.2 Reservation of seats

Out of the total 1084 seats, 50% seats are reserved for the candidates of Tripura State.

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The students of All India category are admitted against the remaining seats selected on merit basis by Joint Seat Allocation Authority (JoSAA). Against seats under home state quota 31% are reserved for ST candidates and 17% for SC candidates.

For seats under Central pool the reservation policy of Government of India is followed where 15% seats are reserved for Scheduled Caste, 7.5% for Scheduled Tribe and 27% for OBC candidates a part from reservation for physically handicapped candidates.

### 3 Admission Procedure

NIT Agartala follows the schedule of JoSAA for admission to under-graduate courses.

### 3.1 Academic Eligibility Criteria

The academic eligibility criteria for admission in NIT, Agartala is same as the criteria laid down in the **Joint Seat Allocation Authority (JoSAA/ CSAB)** information brochure/ business rules.

Eligible Candidates (as per the criteria laid down by JoSAA/CSAB) who are allotted an academic course at NIT Agartala, have to, first, take provisional admission at the finally allotted Institute by JoSAA/CSAB-2021 during counseling sessions.

Only such candidates, who possess valid provisional admission letter (for NIT Agartala) issued by JoSAA/ CSAB, are eligible to get provisional admission at NIT Agartala.

### 3.2 Financial Requirements

Candidates have to pay the Institution fee as per the rate specified for admission in B.Tech programe of NIT Agartala during 2021-22 session.

Provisionally admitted candidates for NIT Agartala need to pay the balance fee (refer to fees in section 8) at SBI counter in the Institute premises. Candidates who are allotted hostel by the chief warden will pay the requisite fee at the Canara Bank counter in the Institute.



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### 4 Conduct and discipline

- i. The conduct of the Students within and outside the premises of the Institute shall be such as is be fitting to the students of an institution of national importance.
- ii. As per the order of the Hon'ble Supreme Court of India, ragging in any form is banned in the Institute. Acts of ragging will be considered as gross in discipline and will be severely dealt with.
- iii. The following acts of omission and or commission shall amount gross violation of the code of conduct and shall in voke disciplinary measures:
  - (a) Ragging
  - (b) Lack of courtesy and decorum; indecent behaviour anywhere within or outside the campus.
  - (c) Wilful damage or removal of any property/belongings of the Institute/Hosteller of fellow students.
  - (d) Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.
  - (e) Mutilation or unauthorized possession of library books
  - (f) Noisy behaviour, disturbing of studies of fellow students.
  - (g) Hacking in computer systems (such as entering other person's area without prior permission, manipulation and/or damage of computer hardware and software etc.)
  - (h) Any other act of gross indiscipline.
  - (i) Commensurate with the gravity of the offence, the punishment may be reprimand, fine, and expulsion from the hostel, debarring from an examination, rustication on attending classes for a specified period or even out right expulsion from the Institute.
- iv. For an offence committed in (a) a Hostel, (b) a Department or in a classroom, and (c) elsewhere, the Hostel Superintendent, the Head of the Department and the Dean of Student welfare, respectively, shall have the authority to reprimand or impose fine with the approval of appropriate authority.
- v. All cases involving punishment other than reprimand shall be reported to the Chairman, Students Disciplinary Committee.
- vi. All major acts of indiscipline, which may have serious implications on students in general, and/or which may warrant a uniform and more formalized nature of investigation, shall be handled by the Students Disciplinary Committee appointed by the Director.
- vii. Cases of adoption of unfair means in an examination shall be reported to the Dean of Academic Affairs for taking appropriate action.
- viii. In the event of a major punishment, the student shall have the right to appeal to the Director.
- ix. The Institute attaches emphasis on discipline of the students and their character building. The students are expected to maintain discipline of a very high standard. All Rules and regulations of the college and hostels as laid down by the authority and issued from time to time have to be followed by each student.
- x. Students are warned that any kind of activity, which may lead to fatal accident, is strictly prohibited in the Institute campus. Guardians are advised to caution their wards regarding

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such matter.

- xi. Possession of any kind of weapons inside the Institute campus is strictly prohibited.
- xii. If any property/equipment in the campus is damaged or, any loss caused to the Institution shall be recovered either directly from those identified students where ever possible or collectively from such group of students or association as responsible for the activity/activities.
- xiii. For the benefit of the students and staff of the college private bus service has been arranged from Agartala to college campus and back. The students availing bus facility have to maintain discipline inside the buses. Such students are expected to make regular payment of bus fare in the interest of ensuring smooth running of the buses. Guardians are requested to make payment as per modalities to be decided by the bus committee of NIT Agartala.
- xiv. Ragging in any form is banned in NIT, Agartala, and any one indulging in ragging is bound to be punished appropriately. The punishment may include expulsion from the Institution, suspension from the Institution or classes for a limited period or fine with a public apology. The punishment may also take the shape of: (a) with holding of scholarships or other benefits (b) debarring from representation in events (c) with holding of results (d) suspension or expulsion from hostel/mess based on the gravity of offence as per decision of the Disciplinary Committee.
- xv. It is necessary for all students to take clearance from appropriate authority in a prescribed form at before admission to each semester.
- xvi. The authority reserves the right to take action against the students for unsatisfactory conduct or indulging himself/herself in any activities affecting the over-all disciplinary environment of the Institute.

### **5** Details of Academic Department and Hostels

### 5.1 Chief Warden, Wardens & Assistant Wardens

DEPARTMENT	DESIGNATION	NAME		PHONE
Hostel	Chief Warden	Dr. Uttam Kumar Bera		9436767279
Name of the Hostel (s)	Name of the Warden &	& Contact No	Name of	f the Supervisor
Aryabhatta Hostel (Boys)	Dr. P Jawahar (8754849740) Dr. T.K Bhowmik (8902184148) Dr. Susanta Ghanta (8837329069) Mr. Prashant Bharadwaj (9774272101)		Mr. Prasanta Ranjan Deb (7005710545)	
RNT & Howrah Hostel (Boys)	Dr. Mitra Barun Saha Dr. Chakradhar Behera Dr. Soraj Kumar Parid	a (8837304043)	Mr. Satyajit Das (8132085431) Mr. Sukrit Prasad Dutta (9436131542)	
Dhalai & Gomati Hostel (Boys)	Dr. Subrata Kumar Gh Dr. Muthusivaramapar		Mr. Rab (943655	indra Das (7455)
Gargi Hostel (Girls)	Dr. Nabamita Goswan	ni (8910876709)	(977460	mita Saha

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SI	Name	Designation at NITA	Designation in the
No			Committee
1	Prof. (Dr) Ram Naresh	Dean (SW-2) & Professor, PE Dept.	Chairman
	Rai		
2	Dr. Sukanta Goswami	Physical Education Officer	Convenor
3	Dr. Uttam Kumar Bera	Associate Dean (SW) and Cghief Warden	Member
4	Mr. Anupam Pal	Sports Officer	Member
5	Mr. R.K Bhogendro	Asst. Prof. ME Dept	Member
	Meitei		
6	Dr. Mitra Barun Sarkar	Warden, RNT Hostel and Assistant	Member
		Professor, ECE Dept	
7	Mrs. Smita Das	Asst Prof. CSE Dept	Member
8			
9	Dr.	Warden, Dhalai & Gomati Hostel and	Member
	Muthusivaramapandian	Assistant Prof. BE Dept	
10	Vice President of	Representative of student body	Ex- Officio Member
	Gymkhana		
11	General Secretary of	Representative of student body	Ex- Officio Member
	Sports of Gymkhana		

### **RULES AND REGULATIONS OF NITA HOSTELS**

- 1. The hostellers should be calm, quiet and maintain peace and harmony inside the hostel.
- 2. The hostellers should cooperate to keep the hostel neat and clean for healthy ambience.
- Ragging (verbal/physical/psychological) is a crime, and it is strictly prohibited on campus & off campus. Punishment for raggers will obey the orders of the Hon'ble Supreme Court of India.
- 4. Fighting among each other in a group or as an individual is a punishable offense at any circumstances. Rs. 5000 (INR) will be imposed as a penalty with immediate effect against each individual and may attract disciplinary action.
- 5. Allotted room of the hostel should not be inter changed/altered at any circumstances without the written approval of competent authority; otherwise Rs. 5000 (INR) will be imposed as penalty against each individual for each alteration and further disciplinary action may be taken. Hostel administration reserves the right to shift the resident from one room to another room of same hostel/another hostel at any point of time.
- 6. The person al laptop without external speaker, mobile phone, power bank are only allowed to use. Use of any other electrical appliances is strictly prohibited.
- 7. Cooking is not allowed inside the hostel room and Rs.5000 (INR) will be imposed as penalty for each event against each individual.
- 8. Using any kind of motor vehicles by the hostellers is strictly prohibited in the campus premises. If caught, respective bikes will be seized till the end of academic program of owner and rider/riders.

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- 9. Smoking/chewing tobacco/consumption of alcoholic drinks or supplying any of these items to others is strictly prohibited in campus premises and may attract financial penalty/ expulsion from the hostel..
- 10. Any unauthorized accommodation by the hosteller for friends/visitors/relatives at hostel room is strictly prohibited and may attract financial penalty against each individual. Entry of friends/visitors/relatives is restricted upto entrance gate of the respective hostel.
- 11. Photograph Pasting/Drawing/Writing on the wall of room/furniture/door/bath rooms/common area of the hostel is strictly prohibited.
- 12. Do not write the name/roll number/department on the door of the room.
- 13. Birthday Celebration inside the hostel room/hostel corridor is strictly prohibited.
- 14. Hosteller is not allowed to remain absent from hostel at night time without written permission from the respective hostel supervisor. If found, disciplinary action will be initiated against the individual.
- 15. Using the roof of any hostel/mess is strictly prohibited.
- 16. A) Boys' hostellers of UG courses (1<sup>st</sup> year to 4<sup>th</sup> year) and PG courses (1<sup>st</sup> Years) are not allowed to stay outside of the hostel from 10.30PM to 5.00AM without permission.

B) Boys' hostellers of PG courses (2<sup>nd</sup>Year) and Ph.D Program are not allowed to stay outside of the hostel from11.30PM to 5.00AM without permission.

C) Girls' hostellers are not allowed to stay outside of the hostel from 6.00PM to 5.30AM without permission.

In exceptional cases, further approval is mandatory from hostel authority of NITA.

- 17. Intentional damage of any item in hostel room/floor/ corridor is liability of occupant to get it repaired/replaced. Moreover, damage to hostel property such as doors, windows, electrical fittings, toilet fittings, glass panes, etc., will lead to disciplinary action.
- 18. Misuse of water, electricity, and others facilities are liable to disciplinary action.
- 19. Hosteller is solely responsible for keeping valuable belongings with him/her.
- 20. Playing the outdoor game, which may damage hostel property, is strictly prohibited inside the hostel.
- 21. Any sort of complaint about electrical/civil/carpentry/plumbing for maintenance must be reported in complaint register of the respective hostel.
- 22. Staying in the hostel is not the fundamental right, therefore the student can be asked to vacate the hostel without assigning any reason at any time. If the student is expelled from the hostel, the fee deposited for the hostel will not be refunded.

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### **5.2 ACADEMIC DEPARTMENTS & LABORATORIES**

#### **OVERVIEW OF THE CIVIL ENGINEERING DEPARTMENT:**

The Department of Civil Engineering was started since the inception of the Institute in 1965. Initially the Institute was affiliated to University of Calcutta and there after re-affiliated to Tripura University in 1987. Presently, this department is offering M. Tech. courses in Structural Geotechnical Engineering, Engineering, Engineering, Water Resources Transportation Engineering, Environmental Engineering, Seismic Science & Engineering and Hydro Informatics



Engineering. The Civil Engineering Department of the Institute has produced many technocrats who are serving the country successfully. The Department has 21 (twenty one) nos. regular faculty members and 11 (eleven) nos contractual faculty members. Almost all the faculty members are involved with different consultancy, research and developmental works along with administrative activities of the Institute.

The department also offers PhD program and the main areas of research include Geotechnical Engineering, Structural Engineering, Water Resources Engineering, Environmental Engineering, Transportation Engineering, Hydro informatics and Seismic Science& Engineering. The department also handles consultancy works and projects with the State & Central Government organizations. The department has state of the art lab facilities in several laboratories.

#### Name of the Laboratory under Civil Engineering Department

- 1. Structural Engineering Lab.
- 2. Geotechnical Engineering Lab.
- 3. Transportation Engineering Lab.
- 4. Water Resources Engineering Lab.
- 5. Environmental Engineering Lab.
- 6. Hydro Informatics Engineering Lab.
- 7. Seismic Science & Engineering related Lab.
- 8. Material Testing Lab.
- 9. Computer Lab.
- 10. Surveying Lab.



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#### **OVERVIEW OF THE MECHANICAL DEPARTMENT**

Mechanical Engineering Department of National Institute of Technology Agartala offers a undergraduate and postgraduate programme in Mechanical Engineering where students are encouraged to acquire knowledge facilities with an integrated thinking about education research & development, application and training. The students are provided knowledge to understand the fundamental of basic sciences and humanities, inter disciplinary knowledge, innovation, creative and problem-solving abilities, intellectual honest and professional ethics, capacity for teamwork in inter disciplinary, national and international environment. The Department of Mechanical Engineering was formed in 1965. The first undergraduate batch rolled out in the year 1970. Since its inception, the department has always been recognized for excellence.

#### List of Laboratories of ME Department:

- Refrigeration & Air Conditioning Lab.
- Thermal Power Lab
- Mechanical Measurements Lab
- Heat Transfer Lab
- IC-Engine Lab
- Fluid Mechanics Lab
- Computational Lab-I
- FMS Lab (Flexible Manufacturing System)
- Tribology Lab
- Flow Visualization Lab
- Strength and Materials Lab
- Computational Lab-II.
- Wind tunnel Lab.
- Vibration Lab.
- Dual Chamber Physical Vapour Deposition System lab





#### **OVERVIEW OF THE DEPARTMENT OF ELECTRICAL ENGINEERING**

#### Introduction:

Department of Electrical Engineering is one of the enriched and primogenital branches of engineering of the National Institute of Technology (NIT), Agartala (formerly Tripura Engineering College, Govt. of Tripura). This Department has been fulfilling the need of the state Tripura as well as the nation by developing technical manpower in Electrical Engineering field since its inception in 1965. In this long 65 years of journey, being a pivotal branch of the then Tripura Engineering College, this department has witnessed many ups and downs. Still, it has produced a great number of capable electrical engineers who in turn spread their talent around various parts of the globe thereby enhancing the image of the Institute in general and branch in particular.

The Electrical Engineering Department started with an annual intake of 20 seats in 1965 and consecutively increased to 40 in 1981. After conversion of the Tripura Engineering College into National Institute of Technology (NIT) in 2006, the intake has been increased to 90 and this year (2019) annual intake has been increased to 129.

#### Academic Programme:

Electrical Engineering Department has progressed noticeably with annual intake of 129 for 4 years (8 semesters) B.Tech program and annual intake of 64 for 2 years (4 semesters) M. Tech. programme. Apart from B.Tech and M. Tech. programme, Electrical Engineering department started Ph.D program from 2008 academic session. Considering the aspiration of the students and keeping in view of employment opportunity and prospect for research career, Department has been offering four specializations in M. Tech programme, namely (a) Power Electronics & Drives (b) Instrumentation (c) Power System, and (d) Integrated Energy System. Further, excellent responses are obtained for Ph.D program. Several candidates from academic arena and industry show their interests for pursuing their Ph.D work in the Department of Electrical Engineering and enroll their names in the program.

Sr. No.	Name of the Laboratories in EE Department		
1.	Basic Electrical Engineering Lab	8.8-	
2.	Network Analysis Lab		
	Electrical Measurement & Measuring Instruments Lab		
3.	Digital Electronics Lab		
	Analog Electronics Lab		
4.	Signal and System Lab		
	Digital Signal Processing Lab	BO REGISTERA	
5.	Energy Conversion System Lab	- /	
6.	Power System Lab		
7.	Microprocessor and Microcontroller Lab		
8.	Power Electronics Lab		
9.	Control System Lab		
10.	Industrial Instrumentation Lab		
11.	Principle of Communication Lab		D State
12.	Electrical Drives Lab		
13.	High Voltage Engineering Lab	CO REDMINITE	
14.	Electrical Simulation Laboratory		
15.	Process Control and Instrumentation Lab		- r
16.	Advanced Power System Lab		
17.	Electrical Machine Design Lab		PAT
18.	Optical Engineering & Laser Instrumentation Lab		
19.	Embedded Systems Lab		5 6
20.	Energy Lab		5.55
21.	Switch Gear & Power System Protection Lab		
22.	Advance Power Electronics Research Lab		
23.	Advance Electrical Drives Research Lab		20
24.	Advance Power System Research Lab		- 26
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From the academic year 2021-22, the branch of Electronics & Instrumentation Engineering will function under Electrical Engineering Department. However, the Degree of B.Tech in Electronics & Instrumentation Engineering will be given to the students.

## List of other laboratories for the branch of Electronics & Instrumentation Engineering with Photo

Electronics and Instrumentation Engineering Department is now becoming well-equipped with the laboratories. But a few number of common laboratories of Electrical engineering and Electronics and communication engineering departments are jointly being used for the routine laboratory classes of the students. The Industry oriented two new laboratories 'DCS & PCS' and 'Hydraulic & Pneumatic' control system are already set up in our department.

- 1. Network Analysis and Synthesis lab
- 2. Electrical Measurement and Measuring Instruments lab
- 3. Analog Electronic Circuits lab
- 4. Programming in C lab
- 5. Instrumentation Devices-I Lab
- 6. Digital ElectronicsLab
- 7. Numerical Methods and Analysis Lab
- 8. Industrial Instrumentation lab
- 9. Electronic Instrumentation and Measurement lab
- 10. Linear Control Systems lab
- 11. Process Control -ILab
- 12. Power Electronics Lab
- 13. Microprocessor and microcontroller Lab
- 14. Process Control-II
- 15. Digital Signal Processing Lab
- 16. Digital Image Processing Lab (Elective-I)
- 17. Telemetry & Remote Control Lab
- 18. Industrial Automation & Control Lab (Elective-II)



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#### **OVERVIEW OF THE COMPUTER SCIENCE AND ENGINEERING**

#### PROFILE

The Department of Computer Science and Engineering of National Institute of Technology Agartala offers an undergraduate and postgraduate programme in Computer Science and Engineering where students are encouraged to acquire knowledge facilities with an integrated thinking about education research & development, application and training. The students are provided knowledge to understand the fundamental of basic sciences and humanities, inter disciplinary knowledge, innovation, creative problem solving abilities, intellectual honest and professional ethics, capacity for team work in inter disciplinary, national and international environment. The first undergraduate batch rolled out in the year 2003. Since its inception in 1999, the department has always been recognized for excellence.

#### PROGRAMMES

This Institute offers courses of study and facilities for research leading to B.Tech, M. Tech, MCA and Ph.D under Computer Science & Engineering.

The department currently offers the following programmes:-

#### **Under Graduate Programmes:**

B.Tech in Computer Science & Engineering (4 years).

#### **Post Graduate Programmes:**

- M. Tech specialisation in Artificial Inteligence, Computer Science & Engineering (2 years)
- M. Tech in Computer Science & Engineering (2 years)
- Master of Computer Application Programme (3 years)

#### **PH.D PROGRAMMES:**

Ph.D in Computer Science and Engineering

#### LIST OF LABORATORIES WITH PHOTO

- 1. Central Computing Laboratory
- 2. Software Engineering Laboratory
- 3. Information Security Laboratory
- 4. Artificial Intelligence and Human Computer Interaction Laboratory
- 5. Computer Programming Laboratory
- 6. Multimedia and Web Technology Laboratory
- 7. Data Analytics Laboratory
- 8. Relational Database Management System Laboratory
- 9. System Programming Laboratory
- 10. Digital Electronics and Microprocessor Laboratory
- 11. Data Communication and Computer Network Laboratory
- 12. Project Laboratory





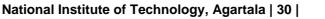




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#### A brief of MCA programme (under CSE Department)

Master of Computer Applications (**MCA**) is a three year long professional postgraduate **programme** offrered by CSE Department for candidates to shape themselves deeper into the world of technological development with the help of learning application oriented side of Computer Science. The **programme** is amalgamation of both theoretical and practical knowledge. Candidates have to take admission to this course via NIMCET (NIT MCA Common Entrance Test (**NIMCET**). Total credit of MCA is 140.



#### OVERVIEW OF THE ELECTRONICS & COMMUNICATION ENGINEERING (ECE) DEPARTMENT:

The Department of Electronics & Communication Engineering (E.C.E) was established in 2007 and since then, the department is growing in multidimensional directions in context to UG & PG teaching aspects. The department is running academic programs like B.Tech, M. Tech, Ph.D as well as several research and development projects funded by MeitY Govt. of India, AICTE, TEQIP etc. The department offers a wide range of courses which address almost the entire arena covering VLSI, Nano-electronics, Modern era of Communication, Fabrication and Characterization of Nano Scaled Devices, Image Processing, Advance Microwave Electronics, Bio-Signal Processing, Non-Linear System Science to mention a few. The laboratories of the department are facilitated with state-of-the-art technological equipments to enable the students match up with the evolving technology. The major thrust areas of research of the department are VLSI and Nano-Technology, Nano-Electronics, Microwave, Image Processing, Optoelectronics, Control Engineering and Communication Systems. Considering all the said aspects, the department possesses a qualified and experienced team of faculty members to carry out its legacy. From the inception of this department till present day, students of the department have a remarkable placement record in various reputed R&D organizations and eminent companies in India and abroad. The department aims to create competent Electronic and Communication Engineers to serve the needs of modern advanced technologies and the nation as a whole.

#### **List of Laboratories**

- 1. Basic Electronics Lab
- 2. Control Systems Lab
- 3. Communication Systems lab
- 4. VLSI Lab
- 5. Computer Lab
- 6. Microwave Engineering Lab
- 7. Material Synthesis and Device Characteristics lab
- 8. Optical Fiber Communication Lab
- 9. Digital Signal Processing (DSP) Lab
- 10. Embedded Systems lab
- 11. Analog Electronics & IC Lab
- 12. Microprocessor Lab

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#### **OVERVIEW OF THE PRODUCTION ENGINEERING DEPARTMENT**

Production Engineering Department was established in the year of 2005 while it was Tripura Engineering College (Presently National Institute of Technology) and is approved by AICTE. Presently department is offering Bachelor of Technology in Production Engineering and M. Tech in Computer Integrated Manufacturing and as well as Doctoral Program where students are encouraged to acquire knowledge facilities with an integrated thinking about education research & development, production and training. The students are provided knowledge to understand the fundamental of basic sciences and humanities, inter disciplinary knowledge, innovation, creative and problem-solving abilities, intellectual honest and professional ethics, capacity for team work in inter disciplinary, national and international environment. It also helps the students to understand society, culture and global processes. The department helps to induce entrepreneurship interest in students. Also, to align and educate our students from Production Engineering Department to improve their fundamental knowledge to bring innovative technology and to build products either by themselves or by working with various industries to boost economic condition of our county and also North-East part of India. The department has twelve numbers of faculty members. All faculties are deeply involved in academic, research and administrative responsibilities of the Institute.

#### List of laboratories with Photo:

The Production Engineering Department is having different laboratories like

- 1. Metallographic lab,
- 2. Non-Traditional Machining lab,
- 3. CNC automation & Robotics lab,
- 4. Ergonomics & Condition Monitoring lab,
- 5. CAD/CAM lab,
- 6. Metal Forming and Metal Casting lab,
- 7. Mechanics of Machine laboratory lab,
- 8. Strength of Material lab,
- 9. Mechatronics lab and Quality Engineering lab.
- 10. Newly Developed laboratories like Fluid Mechanics lab and Machine Tool lab.









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#### **OVRERVIEW OF THE DEPARTMENT OF CHEMICAL ENGINEERING**

The Chemical Engineering is a branch of engineering that deals with study of design and operation in use in the chemical industries and works on the method of improving the productivity of the chemical production process. The Department of Chemical Engineering at National Institute of Technology Agartala started the journey in the academic year of 2009-10 offering B.Tech in Chemical Engineering. Subsequently, the department started offering Ph.D. in Engineering in Engineering from July, 2012 and M. Tech in Chemical Engineering from July 2013. The department has well defined UG (B.Tech in Chemical Engineering) and PG (M. Tech in Chemical Engineering programs. The programs are designed to provide best educational experience to the students and encourage the students to attain their career goals. The mission of the Department is to impart high quality technical education and advance chemical engineering research in desired field, thereby produce globally competent chemical engineers capable to provide industrial solution and decisive management. The department presently has team of vibrant, experienced and talented faculty members to provide effective education and updated knowledge, and mentor the students through the academic journey. Other than teaching, the faculty members are actively engaged in research in various dimensions of chemical engineering which include Biofuels, Renewable energy, Environmental Engineering, Waste treatment, Catalysis and reaction engineering, Material Science, Polymers, Nanotechnology, Fluid dynamics and numerical simulations and many other emerging and pressing areas of chemical engineering. With the purpose of providing excellent learning and research experience the department has developed elaborate laboratory facilities. The undergraduate laboratories are meant to demonstrate and practice the principles learnt in the theories. There are around 10 well developed undergraduate laboratories to explain the fundamentals of all major chemical engineering cores. There are also well developed analytical laboratories with sophisticated instruments for practicing world class research. The students and faculty members has published outstanding research publication including international journals, edited book and book chapters, national and international patents. The students and faculty members of the department has presented the research in reputed national and international conferences. The department and the faculties of the department has received funding/research grant from various funding agencies to support the research.

The students of the department have received fellowships for research internship in India and abroad. The students registering for placement are successful in securing placements in reputed companies. The graduated students of the department have joined higher studies in reputed institutions in India and abroad. The further information on the department can be viewed online at:

https://www.youtube.com/watch?v=Of3YSgA7Xro

#### List of laboratories

#### UG - B.Tech - Chemical Engineering

- 1. Mechanical Operation Laboratory
- 2. Fluid Mechanics Laboratory
- 3. Heat Transfer Laboratory
- 4. Mass Transfer Laboratory
- 5. Energy Sources & Utilization Laboratory
- 6. Reaction Engineering Laboratory
- 7. Numerical analysis Laboratory
- 8. Process Control and Instrumentation Laboratory

#### PG – M. Tech – Chemical Engineering and Ph.D in Engineering

#### **Computational Facility**

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#### **OVERVIEW OF THE BIO ENGINEERING DEPARTMENT**

**Department of Bio Engineering** in NIT Agartala has been established in 2012 with sanctioned intake capacity of thirty (30) students in Undergraduate level i.e. 4 years Bachelor of Technology (B Tech Degree) in Bio Engineering. Presently, Dr. Tarun Kanti Bandyopadhyay (Head, Department of Chemical Engineering and Bio Engineering) is supervising all the activities to ensure the progress of this department. The academic staff of this department has varied background in engineering life sciences. This is a reflection of the multidisciplinary and integrative approach in Bio Engineering research and education.

#### **Courses offered:**

#### UG Course: B. Tech Biotechnology & Biochemical Engineering (4 year course from 2019) PG Course: M. Tech Biotechnology and Biochemical Engineering (2 year course from 2019) PhD Course: PhD in Bioengineering (from 2018)

The UG and PG course includes Molecular Biology, Biosensors, Bio-Fluid Mechanics, Bioinformatics and Computational Biology, Tissue Engineering and Regenerative Medicine, Therapeutic Delivery Systems, Biomedical Imaging and Instrumentation, Drug Design and Development, Nano-Biotechnology, Bioprocess Engineering, Metabolic Engineering, Biomechanics, etc. The programs provide strong fundamental knowledge and practical based learning methodology in engineering and life sciences, its approach is integrative and students are exposed to different applications as well. This course offers a huge scope to the next generation students for their better career in India and abroad as well. All are welcome to our department and being strongly encouraged to be acquainted with the greater details of the opportunities available in this new horizon.

#### List of laboratories with Photo

- 1 Bio chemistry Lab
- 2 Microbiology Lab
- 3 Immunology Lab
- 4 Mass Transfer Lab
- 5 Environmental Engg.
- 6 Bioprocess Engg.
- 7 Numerical Methods
- 8 Genetics Lab
- 9 Bioinformatics Lab
- 10 Fluid Mechanics
- 11 Reaction Engineering
- 12 Bioanalytical techniques
- 13 Applied Bioinformatics
- 14 Bioprocess & Bioseperation Technique





#### **OVERVIEW OF THE MATHEMATICS DEPARTMENT,**

The Department of Mathematics, National Institute of Technology, Agartala has the legacy of serving the State of Tripura since 1965 under Tripura Engineering College (TEC). TEC was upgraded to National Institute of Technology, Agartala in the year 2006. Since then the Department is functioning as full flagged Department offering UG and PG courses of the Department itself, apart from catering the needs of the other Departments in respect of taking subjects Engineering Mathematics, Numerical Methods, Operation Research, Statistical Method etc. Department of Mathematics is now one of the premiere Departments of NIT, Agartala offering both UG and PG (BS-MS Mathematics, BS-MS Mathematics & Computing and M.Sc.. in Mathematics and Computing) level courses and collaborative as well as multidisciplinary Ph.D. programs.

Academic Program: For imparting quality education, both PG and UG level courses (M.Sc.. in Mathematics, BSMS in Mathematics and BSMS in Mathematics & Computing) are taught in Mathematics Department. Admission in the two years (4 Semester) M.Sc.. Degree and five years (10 Semesters) BSMS Courses are made through CCMN and JEE Mains with an initial intake capacity of 13 and 25 students respectively. Both of these M.Sc.. and Dual Degree Programs encourage and persuade the students to grasp in depth knowledge and also widen their career opportunities.

1. List of laboratories with Photo.



Departmental Computer lab1



Students working in Computer lab-1

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#### **OVERVIEW OF THE DEPARTMENT OF PHYSICS**

From the inception of the Institute, the mandate of the Physics Department has been the conduction of teaching courses for students of Science and Engineering disciplines as well as to conduct interdisciplinary studies. Over the years the department, has evolved into State's and region's premier Engineering Physics teaching institution with sufficient infrastructure to run various undergraduate and postgraduate courses. Presently, the department runs 5-year dual BS-MS course and 2-year M.Sc.. course in Physics along with the flagship program of 5-year dual BT-MT course in Engineering Physics. In addition the department teaches two semester long Engineering Physics course for B.Tech students of all Engineering branches. All of these courses are aimed to encourage the Science and Engineering students to acquire knowledge along with integrated thinking about education and high level research in Physics.

The faculty members are engaged in rendering the Science and Engineering undergraduate students with the fundamental knowledge of Physics and problem solving skills, requisite for a bright career, and striving tirelessly to improve the education further. The course structure of the four semester Master's Degree program (M.Sc..) in Physics has been designed with the specializations in Condensed Matter Physics, Physics of Plasmas, Thin Film and Nanotechnology, and Gravitation and Cosmology etc to blend all best in these areas of contemporary and applied Physics to create the post-graduates who are equally comfortable with science and technology. The department currently has a total of 123 students in Five year Dual degree program, 14 students in M.Sc. Program, about 850 students in its roll which includes the B.Tech program, and 14 Ph.D. scholars. The department is well equipped with laboratory facilities required to facilitate the need of undergraduate, post graduate students and the research activities. The department has faculty strength of 15 from all quarters of Physics.

List of laboratories with Photo:

#### **UG Laboratory:**

B.Tech (1<sup>st</sup> Year) Lab:

- 1. General Physics II lab:
- 2. General Physics III Lab:
- 3. Optics Lab:
- 4. Electronics Lab:
- 5. MSc Laboratory:









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#### **OVERVIEW OF THE DEPARTMENT OF CHEMISTRY DEPARTMENT**

The Department of Chemistry started M. Sc. Course (02 yrs) in Chemistry and Ph.D in relevant areas of Chemistry from the academic session 2010-2011along with B.Tech courses (01yrs) in regular mode. Subsequently, the Department started BS-MS dual degree program (05 yrs) from the academic session 2012-2013. At present, the Department has intake capacity of 13 students per session for MSc program and 25 students per session for dual BS-MS program. In terms of human resource, the Department has at present a total of 11 faculty members, 12 research scholars, 15 MSc students (1<sup>st</sup> and 2<sup>nd</sup> year), 56 BS-MS students (1<sup>st</sup> - 5<sup>th</sup> year). The Department is well equipped with a Molecular Modeling laboratory, sophisticated instruments like UV-Vis Spectrophotometer, Fourier Spectrophotometer, Fluorescence Transform Infrared Spectrophotometer (FTIR), Differential Scanning Colorimeter (DSC), Polarized Microscope, Solar PV Device Testing System, Particle size analyzer with Zeta Potential, Ball Miller, etc. The faculty members are committed to produce trained man power with the skills both at regional and national levels and its mission is to achieve success in University examinations, National level competitive examinations like NET, GATE, JEST, SLET etc. and also in the qualifying examinations of other research Institutes. The faculty members are actively engaged in research in the diverse areas of Chemistry viz., natural product chemistry, organic synthesis, organometallic chemistry, coordination chemistry, green chemistry, bioinorganic and nanotechnology.

#### List of laboratories with Photos

- a) B. Tech Laboratories
- b) M.Sc. and BS-MS laboratories
  - a. Inorganic Chemistry Laboratory
  - b. Physical Chemistry Laboratory
  - c. Organic Chemistry Laboratory
  - d. Research Laboratory

#### c) Instrumental laboratory

- a. UV-Vis Spectrophotometer
- b. Differential Scanning Colorimeter
- c. Particle Size Analyzer
- d. FTIR Spectrophotometer
- e. Ball miller
- f. Solar PV Device system









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#### OVERVIEW OF THE DEPARTMENT OF MANAGEMENT, HUMANITIES & SOCIAL SCIENCES

The Department of Humanities & Social Sciences had co-existed with NIT Agartala since the birth of NIT Agartala, i.e. when the erstwhile Tripura Engineering College was converted to National Institute of Technology Agartala on 01.04.2006. The Department was established with an objective of making an engineer enlightened with adequate knowledge of his/her surroundings. The approach of the Department had always been interdisciplinary. The Department offered undergraduate courses in Economics, Costings, Management Principles and Communicative Skill Development. Besides that, it encouraged the students to actively take up research in various fields of Humanities and Social Sciences. The Ph.D. programme of the Department was introduced to serve that very purpose.

The School of Management started its operation since July 2012. It had been established to meet the growing aspirants of Techno Managers in the country specially to meet the demand of North Eastern Region of the country. The School of Management was offering Masters of Business Administration programme (Full Time) and Ph.D. programme in management.

The Department of HSS (Humanities and Social Sciences) and SoM (School of Management) have been merged into Department of Management, Humanities & Social Sciences with effect from the academic session 2019-2020. The Department of Management, Humanities & Social Sciences was established with an objective of making an engineer enlightened with adequate knowledge of his/her surroundings. The approach of the Department is interdisciplinary.

#### List of laboratories with Photo:

The Department of Management, Humanities & Social Sciences has a language communication skills and multimedia lab which is developed in collaboration with CACM, IIT Kharagpur. The lab which functions on a carefully designed software ISILS WIRELESS interconnects all the students in the classroom with an integrated and active mode of learning, facilitating spontaneous interaction among the students themselves along with the instructor. The lab offers bryond the traditional lecture-based mode of learning and aims at rendering an interactive classroom atmosphere with technological support to help students come to terms with the anxiety of second language learning and channelize their latent linguistic competence into developing communication skills.

#### Language LAB

The Department of Management, Humanities and Social Sciences (MHSS) also has a well equipped Computer Laboratory. In this Lab, students perform practical works in various subjects like IT and Business Skills, Finance, marketing and so on. Students also perform research work in this computer lab. The Lab is also equipped with a web camera and internet facility for interview purposes.





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## 5.3 Head of Academic Departments

SI. No.	DEPARTMENT	NAME	PHONE
1.	Bio Engineering	Dr. Tarun Kanti Bandhyopadhyay	09612976529
2.	Chemical Engineering	Dr. Srimanta Ray	08974867827
3.	Civil Engineering	Dr. Sima Ghosh	09862472558
4.	Computer Science & Engineering	Dr. Mrinal Kanti Deb Barma	09089255524
5.	Electrical Engineering	Prof. Priyanath Das	09436541700
6.	Electronics & Communication Engineering	Dr. Tamasi Moyra	09862824663
7.	Mechanical Engineering	Dr. Pritam Das	094365 01711
8.	Production Engineering	Dr. Uttam Kumar Mandal	08731986434 09732906499
9.	Chemistry	Dr. Mitali Saha	08974006400
10.	Mathematics	Dr. Baby Bhattacharya	09862213796
11.	Physics	Prof. Aparna Nath	07640974766
12.	Management, Humanities & Social Sciences	Prof. Debasis Neogi	094365 03427

## 5.4 Workshop & First Year Co-ordinator

DEPARTMENT	DESIGNATION	NAME	PHONE
Workshop	Chairman (Workshop)	Dr. Barnik Saha Roy	9612842102
First Year Coordinator		Dr. Dipankar Sarkar	9436459655

# 5.5 Department-wise list of faculty

	DEPARTMENT OF BIO ENGINEERING			
SL. NO.	NAME	DESIGNATION	CONTACT NO	
1.	Dr. Tarun Kanti Bandhyopadhyay	Assistant Professor & HOD	9612976529(M)	
2.	Dr. Biswanath Bhunia	Assistant Professor (Contractual)	9089404715(M)	
3.	Dr. Tridib Kumar Bhowmick	Assistant Professor (Contractual)	8902184148(M)	
4.	Dr. Deeplina Das	Assistant Professor (Contractual)	8119061106(M)	
5.	Dr. Muthusivaramapandian M	Assistant Professor (Contractual)	7896172343(M)	
6.	Dr. Abhijit Chatterjee	Assistant Professor (Contractual)	9774461727(M)	
7.	Ms. Hrijuta Datta	Assistant Professor (Contractual)	9436960713(M)	

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	DEPARTMENT OF CHEMICAL ENGINEERING			
SL. NO.	NAME	DESIGNATION	CONTACT NO	
1.	Prof. Harish Kumar Sharma	Professor & Director		
2.	Dr. Srimanta Ray	Assistant Professor & HOD	8974867827(M)	
3.	Dr. Soma Nag	Assistant Professor	9436457406(M)	
4.	Dr. Tarun Kanti Bandhyopadhyay	Assistant Professor	9612976529(M)	
5.	Dr. Kalyan Gayen	Assistant Professor & UG Coordinator	8974727421(M)	
6.	Dr. Ajay Kumar Manna	Assistant Professor	8413062114(M)	
7.	Dr. Bibhab Kumar Lodh	Assistant Professor(Contractual)	9436579254(M)	
8.	Dr. Mriganka Sekhar Manna	Assistant Professor(Contractual) & PG Coordinator	9089596361(M)	
9.	Dr. Swarup Biswas	Assistant Professor(Contractual)	9774521082(M)	

DEPARTMENT OF CIVIL ENGINEERING			
SL. NO.	NAME OF THE FACULTY	DESIGNATION	CONTACT NO
1	Dr. Umesh Mishra	Professor	9436926569
2	Dr. Richi Prasad Sharma	Professor	9436463474
3	Dr. Sujit Kumar Pal	Professor	9436582750
4	Dr. Manish Pal	Professor	9856024665
5	Dr. Ratul Das	Professor	9774315799
6	Dr. Rama Debbarma	Associate Professor	9402137375
7	Dr. Sima Ghosh	Associate Professor& HOD	9862472558
8	Dr. RajibSaha	Associate Professor	9436125024
9	Dr. Deb Dulal Tripura	Associate Professor	9436134313
10	Dr. Partha Pratim Sarkar	Associate Professor	9774051947
11	Dr. Lipika Halder	Assistant Professor	9436167076
12	Dr. Gopinandan Dey	Assistant Professor	7042059193
13	Dr. Joyanta Pal	Assistant Professor	9436459894
14	Mr. Nilotpal Debbarma	Assistant Professor	9463180332
15	Dr. Dipankar Sarkar	Assistant Professor	9436459655
16	Dr. Mrinmoy Majumder	Assistant Professor	9612946791
17	Dr. Tara Sen	Assistant Professor	9436541206
18	Dr. Surajit Das	Assistant Professor	8731986489
19	Dr. Sanjay Paul	Assistant Professor	8731986285
20	Dr. Susanta Kumar Biswal	Assistant Professor & UG Coordinator	8794594481
21	Dr. Animesh Debnath	Assistant Professor & PG Coordinator	9862321902
22	Mr. Subhajit Deb	Assistant Professor(Contractual)	9436138926
23	Mrs. NabanitaBhowmik	Assistant Professor(Contractual)	9774507561
24	Mrs. Subhra Das	Assistant Professor(Contractual) & PG Coordinator	9612013364
25	Dr. Tilottama Chakraborty	Assistant Professor(Contractual)	9862510754
- 26	Mrs. Sadria Begam	Assistant Professor(Contractual)	8413099130

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27	Mr. Chirabrata Debnath	Assistant Professor(Contractual)	9774228614
		& UG Coordinator	
28	Ms. Dipika Debnath	Assistant Professor(Contractual)	8794309386
29	Mr. Ratnadeep Modak	Assistant Professor(Contractual)	9774386480
		& PG Coordinator	
30	Mrs. Nabina Khanam	Assistant Professor(Contractual)	9436569843
		& UG Coordinator	
31	Mr. Debashish Karmakar	Assistant Professor(Contractual)	9774443482
32	Mr. Sajal Rudra Paul	Assistant Professor(Contractual)	8014086986

	DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING			
SL.NO	NAME	DESIGNATION	CONTACT NO	
1.	Dr. Diptendu Bhattacharya	Associate Professor	9436125396(M)	
2.	Dr. Mrinal Kanti Deb Barma	Associate Professor & Head	9089255524(M)	
3.	Dr. Munesh Chandra	Associate Professor & PG Coordinator	7982403109(M)	
4.	Dr. Swapan Debbarma	Assistant Professor	9612103175/8575 533482(M)	
5.	Mr. Nikhil Debbarma	Assistant Professor	8794580585(M)	
6.	Dr. Kunal Chakma	Assistant Professor	9436167388(M)	
7.	Mrs. Smita Das	Assistant Professor	9774715007(M)	
8.	Dr. Dwijen Rudra pal	Assistant Professor	9856027328(M)	
9.	Dr. Suman Deb	Assistant Professor	9436459622(M)	
10.	Dr. Anupam Jamatia	Assistant Professor	9436502929(M)	
11.	Mr. Tribid Debbarma	Assistant Professor & UG Coordinator	9436581290(M)	
12.	Dr. Nirmalya Kar	Assistant Professor	9436767179(M)	
13.	Dr. Ashim Saha	Assistant Professor	9436556680(M)	
14.	Dr. Moumita Majumder	Assistant Professor(Contractual)	9436454884(M)	
15.	Mrs. Priyanka Sarkar	Assistant Professor(Contractual)	9774303718(M)	
16.	Mr. Drubajyoti Bhowmik	Assistant Professor(Contractual)	9862713643(M)	
17.	Mr. Prashant Bhardwaj	Assistant Professor(Contractual)	9774272101(M)	
18.	Mr. Kishore Kumar Dhar	Assistant Professor(Contractual)	9774842248(M)	
19.	Dr. Tannistha Pal	Assistant Professor (Contractual)	9089473881(M)	

	DEPARTMENT OF ELECTRICAL ENGINEERING			
SL. NO	NAME	DESIGNATION	CONTACT NO	
1.	Prof. Priyanath Das	Professor & HOD	9436541700(M)	
2.	Prof. Ardhendu Saha	Professor	9436540988(M)	
3.	Prof. Ajoy Kumar Chakraborty	Professor	8974002928(M)	
4.	Dr. Rup Narayan Ray	Associate Professor	9436767176(M)	
5.	Dr. Subhadeep Bhattacharjee	Associate Professor	9436582874(M)	
6.	Dr. Arvind Kumar Jain	Associate Professor	9406576108(M)	
7.	Dr. Sumita Deb	Assistant Professor	9862029099(M)	
8.	Mrs. Anindita Jamatia	Assistant Professor	9436522452(M)	
9.	Mr. Abanishwar Chakraborti	Assistant Professor	9436454824(M)	
10.	Dr. Minakshi Deb Barma	Assistant Professor	7005031917(M)	
11.	Dr. Bikram Das	Assistant Professor	9436459126(M)	
12.	Mr. Prabir Ranjan Kasari	Assistant Professor	9863186418(M)	
13.	Mr. Prasenjit Debnath	Assistant Professor	7085709227(M)	
14.	Dr. Joyashree Das	Assistant Professor & UG Coordinator	9612547859(M)	

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15.	Dr. Sharmistha Sharma	Assistant Professor(Contractual)	8837495284(M)
16.	Dr. Diptanu Das	Assistant Professor(Contractual)	9436180674(M)
17.	Dr. Nivedita Laskar	Assistant Professor (Contractual)	9436167747(M)
18.	Dr. Nabamita Goswami	Assistant Professor (Contractual) & PG	9856757043(M)
		Coordinator	
19.	Dr. Arup Ratan Bhowmik	Assistant Professor(Contractual)	8787624210(M)
20.	Mr. Diptanu Dey	Assistant Professor(Contractual)	8794778422(M)
DE	PARTMENT OF ELECTRON	ICS AND INSTRUMENTATION EN	GINEERING
SL.NO	NAME	DESIGNATION	CONTACT NO
1.	Dr. Jayanta Kumar Rakshit	Assistant Professor	9436767282(M)
		& Departmental Co-ordinator	
2.	Mrs. Priyanka Roy Goswami	Assistant Professor(Contractual)	7005664397/
			8416014185 (M)
3.	Dr. Priyanka Dey	Assistant Professor(Contractual)	8787385930/
			9774147921(M)
4.	Mr. Rupam Gupta Roy	Assistant Professor(Contractual) & UG	7005940657(M)
		Coordinator	
5.	Dr. Aparupa Kar	Assistant Professor(Contractual)	7003243682(M)

	DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING			
SL. NO.	NAME	DESIGNATION:	CONTACT NO	
1.	Dr. Dibyendu Ghoshal	Associate Professor	9436767185(M)	
2.	Dr. Sambhu Nath Pradhan	Associate Professor	9436767182(M)	
3.	Dr. Atanu Chowdhury	Assistant Professor	9436597799(M)	
4.	Mr. Manik Bhowmik	Assistant Professor	9862217868(M)	
5.	Mr. Kamalesh Debnath	Assistant Professor	9436767187(M)	
6.	Dr .Biman Debbarma	Assistant Professor & PG Coordinator	9436767199(M)	
7.	Mr. Somnath Roy Choudhury	Assistant Professor & UG Coordinator	9436767171(M)	
8.	Dr.Tamasi Moyra	Assistant Professor & HOD	9862824663(M)	
9.	Mr. Anirban Bhattacharjee	Assistant Professor	9862393441(M)	
10.	Dr. Mitra Barun Sarkar	Assistant Professor	8794471865(M)	
11.	Dr. Priyanka Choudhury	Assistant Professor(Contractual) & UG Coordinator	9774864547(M)	
12.	Dr. Apangshu Das	Assistant Professor(Contractual)	8794223393(M)	
13.	Dr. Abhishek Nag	Assistant Professor(Contractual)	9862139568(M)	
14.	Dr. Smita Banik	Assistant Professor(Contractual) & PG Coordinator	9402169574(M)	
15.	Mr. Partha Kumar Deb	Assistant Professor(Contractual)	7005722990(M)	
16.	Mr. Shiladitya Chakraborty	Teaching Assistant(Contractual)	8014914386(M)	

	DEPARTMENT OF MECHANICAL ENGINEERING			
SL. NO	NAME	DESIGNATION	CONTACT NO	
1.	Prof. PrasunChakraborti	Professor	9436120191(M)	
2.	Prof. SwapanBhaumik	Professor	7005032903(M)	
3.	Prof. Ajoy Kumar Das	Professor	9402168090(M)	
4.	Prof. Vipin Kumar Tripathi	Professor	9604645208(M)	
5.	Dr. Rajsekhar Panua	Associate Professor	8014729553(M)	
6.	Dr. John Deb Barma	Associate Professor	9436120189(M)	
7.	Dr. Pritam Das	Associate Professor & HOD	6033197412(M)	
8.	Dr. Manish Bhargava	Associate Professor	8005725558(M)	
-9.	Dr. Abhik Majumder	Assistant Professor	9485010343(M)	

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10.	Dr. Madhujit Deb	Assistant Professor	9436582714(M)
11.	Dr. Barnik Saha Roy	Assistant Professor	9612842102(M)
12.	Dr. Pankaj Kr. Das	Assistant Professor	9862087663(M)
13.	Dr. Rahul Banerjee	Assistant Professor	9774603090(M)
14.	Dr. Arindam Majumder	Assistant Professor	9612089371(M)
15.	Dr. Ankuran Saha	Assistant Professor & UG Coordinator	9612207132(M)
16.	Dr. Subrata Kumar Ghosh	Assistant Professor	8413039512(M)
17.	Mr. R.K.Bhogendro Meitei	Assistant Professor	9436890866(M)
18.	Dr. Ajay Biswas	Assistant Professor	9436139422(M)
19.	Dr. Jawahar Paul raj	Assistant Professor & PG Coordinator	9444600982(M)
20.	Mr. Durbadal Debray	Assistant Professor(Contractual)	9774159616(M)
21.	Mr. Arindam Sinha	Assistant Professor(Contractual)	9774861768(M)
22.	Dr. AshisAcharjee	Assistant Professor(Contractual)	9862675697(M)
23.	Dr. Dipak Chandra Das	Assistant Professor(Contractual)	9862111109(M)
24.	Dr. Sagnik Pal	Assistant Professor(Contractual)	7085915421(M)
25.	Mrs. Moutoshi Singha Roy	Assistant Professor(Contractual)	9863160491(M)
26.	Dr. Joydeep Roy	Assistant Professor(Contractual)	9862234866(M)
27.	Dr. Pinku Debnath	Assistant Professor(Contractual)	7085802245(M)

	DEPARTMENT OF PRODUCTION ENGINEERING			
SL.NO NAME		DESIGNATION	CONTACT NO	
1.	Prof. Ram Naresh Rai	Professor	8974443620(M)	
2.	Dr. Prasenjit Dutta	Assistant Professor	9862091768(M)	
3.	Dr. Kishan Choudhuri	Assistant Professor	9436767197(M)	
4.	Dr. Swarup Paul	Assistant Professor & PG Coordinator	9436927289(M)	
5.	Miss. Seena Priyan	Assistant Professor	9436767188(M)	
6.	Dr. Vidyut Dey	Assistant Professor	9862227751 (M)	
7.	Dr.Uttam Kumar Mandal	Assistant Professor & HOD	8731986434(M)	
8.	Dr. Bishop Debbarma	Assistant Professor(Contractual)	8415899540(M)	
9.	Dr. Sujoy Chakraborty	Assistant Professor(Contractual) & UG 9436158004(M		
	Coordinator			
10.	Ms. Pushparenu Bhattacharjee	Assistant Professor(Contractual)	8414008953(M)	
11.	Dr. Nabarun Biswas	Assistant Professor(Contractual)	8259008964(M)	
12.	Mr. Debashis Podder	Assistant Professor(Contractual)	8131013634(M)	

DEPARTMENT OF CHEMISTRY			
SL. NO	CONTACT NO		
1.	Dr. Saroj Kumar Das	Associate professor	9436463430(M)
2.	Dr. Tarun Kumar Misra	Associate Professor	8974727776(M)
3.	Dr. Mitali Saha	Associate Professor & HOD	8974006400(M)
4.	Dr. Subhojit Das	Assistant Professor(Contractual) & PG Coordinator	8974331422(M)
5.	Dr. Manojit Roy	Assistant Professor(Contractual) & UG Coordinator	9612956108(M)
6.	Dr. Jhinuk De	Assistant Professor(Contractual)	9862714459(M)
7.	Dr. Sajal Kundu	Assistant Professor(Contractual)	9863141762/(M)
8.	Dr. Chitraniva Datta	Assistant Professor(Contractual)	9401785460(M)
9.	Dr. Susanta Ghanta	Assistant Professor(Contractual)	8001862824(M)
10.	Dr. Manas Roy	Assistant Professor(Contractual)	9051974809(M)
11.	Dr. Chanchal Bhaumik	Assistant Professor(Contractual)	9831944406(M)

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	DEPARTMENT OF MATHEMATICS				
SL.NO.	SL.NO. NAME DESIGNATION CONTACT				
1.	Prof. Debasish Bhattacharya	Professor	9436456222(M)		
2.	Dr. Baby Bhattacharya	Associate Professor &HOD	9862213796(M)		
3.	Dr. Uttam Kumar Bera	Associate Professor	9436767279(M)		
4.	Dr. Paritosh Bhattacharya	Associate Professor	8974060361(M)		
5.	Dr. Apu Kumar Saha	Associate Professor	9436122062(M)		
6.	Dr. Susmita Roy	Assistant Professor(Contractual)	9436565145(M)		
7.	Dr. MantuDas	Assistant Professor(Contractual)	9402356507(M)		
8.	Dr. Abhijit Baidya	Assistant Professor(Contractual)	9774542112(M)		
9.	Dr. Jayanta Debnath	Assistant Professor (Contractual) & PG Co-ordinator	8575834387(M)		
10.	Dr. Pinki Majumder	Assistant Professor(Contractual)	9862073290(M)		
11.	Dr. Sayanta Chakraborty	Assistant Professor(Contractual)	9436473746(M)		
12.	Dr. Jayasree Chakraborty	Assistant Professor(Contractual)	9774447925(M)		
13.	Dr. Kalyani Debnath	Assistant Professor(Contractual)	8794260911(M)		
14.	Dr. Piyali Debnath	Assistant Professor(Contractual) & UG Co-ordinator	9612015521(M)		
15.	Ms. Sudipa Choudhury	Teaching Assistant(Contractual)	9436937105(M)		

	DEPARTMENT OF PHYSICS			
SL.NO.	CONTACT NO			
1.	Prof. Aparna Nath	Professor & Head	9436926536(M)	
2.	Dr. Suvra Prakash Mondal	Assistant Professor	8414894171(M)	
3.	Dr. Biswajit Saha	Assistant Professor	8014088540(M)	
4.	Dr. Manash Kumar Paul	Assistant Professor(Contractual)	9774342001(M)	
5.	Dr. Sanjay Kumar Mandal	Assistant Professor(Contractual)	8414894173(M)	
6.	Dr. Thingujam Kiranmala Devi	Assistant Professor(Contractual)	9863491539(M)	
7.	Dr. Biswajit Paul	Assistant Professor(Contractual)	8729865714(M)	
8.	Dr. Santanu Chakraborty	Assistant Professor(Contractual) & UG Co- coordinator	9774802116(M)	
10.	Dr. Chakradhar Behera	Assistant Professor(Contractual)	9438651271(M)	
11.	Dr. Saroj Kumar Parida	Assistant Professor(Contractual)	9031826169(M)	
12.	Dr. Debanjan Bhattacharjee	Teaching Assistant(Contractual) & PG Co- coordinator	9678703264(M)	
13.	Mr. Subhraj Paul	Teaching Assistant(Contractual)	8837312115(M)	
14.	Dr. Saswati Roy	Teaching Assistant(Contractual)	8837019399(M)	

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	MANAGEMENT, HUMANITIES & SOCIAL SCIENCES (MHSS)			
SL. NO	NAME	DESIGNATION	CONTACT NO	
1.	Prof. Debasis Neogi	Professor & HoD	9436503427(M)	
2.	Dr. Gyanabati Khuraijam	Assistant Professor	9856272746(M)	
3.	Dr. Anirban Dutta	Assistant Professor	8415902777(M)	
4.	Dr. Rajib Mallik	Assistant Professor(Contractual)	9856322317(M)	
5.	Dr. Sonit Dutta	Assistant Professor(Contractual)	9859186648(M)	
6.	Dr. Amlanbrata Chakrabory	Assistant Professor(Contractual) & PG Coordinator	8416044806(M)	
7.	Dr. Kaju Nath	Assistant Professor(Contractual) & PG Coordinator	9436836969(M)	
8.	Dr. Anuradha Nongmaithem	Assistant Professor(Contractual)	9774089163(M)	
9.	Dr. Amit Bikram Chowdhury	Assistant Professor(Contractual) & UG Coordinator	9774485430(M)	
10.	Mr. Bidyasagar Debnath	Teaching Assistant(Contractual)	9774509163(M)	
11.	Mr. Nabendu Debnath	Teaching Assistant(Contractual)	9856590795(M)	
12.	Ms. Jayashree Tripura	Teaching Assistant(Contractual) & UG (First Year) Coordinator	8257979605(M)	

# **Important Contacts**

Sl. No.	DEPARTMENT	CONTACT NO.
1.	Jirania Fire Station	0381-234-6465
2.	Jirania Police Station	0381-234 6222
3.	Free Ambulance Service, an emergency	102
	medical transport service in India.	

Sl	NAME	DESIGNATION	CONTACT NO.
no			
1	Dr Supriti Tripura	Medical officer I/C	8256988714
2	Dr Pankaj kr Deb	Medical Officer	9402149587
3.	Dr. Bipradeep Saha	Medical Officer	9485343363
3	Mr Rajesh Karmakar	Pharmacist	9856876939
4	Mrs Supriya Das	Pharmacist	9436524009
5	Mrs Chayanika Das	Medical Laborotary Technician	9774272651
6	Mrs Mousami Das	Staff Nurse	8258089458
7	Mr Subrata Das	Staff Nurse	7005423803
8	Mr Dipen Majumder	Technician	9863047698
9	Mr Rajat Saha	GDA cum Dresser	8794558772
10	Mr Litan Bhaumik	Counselor	8974151099

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## 6 Academic Regulations

## ORDINANCE

- 1.1 The provisions of these regulations shall be applicable to all B.Tech. Programmes offered by the Institute.
- 1.2 All the regulations noted below shall be applicable to any new B.Tech. Programme or any other similar programme that may be introduced in future.
- 1.3 A student becomes eligible for the award of the B.Tech. Degree after fulfilling all the academic and non-academic requirements prescribed the SENATE of the Institute.
- 1.4 Notwithstanding all that has been stated in the regulations, the SENATE has the right to modify/relax any of the regulations from time to time.

## **REGULATIONS FOR THE BACHELOR OF TECHNOLOGY PROGRAMME**

## **1. Academic Calendar**

- 1.1 Each academic session is divided into two semesters of approximately of 18 weeks duration: an odd semester (July-December) and an even semester (January-June).
- 1.2 Classes of all the semesters will start at 9.00 am and end at 5.00 pm with break in between. The Institute follows 5-day week.
- 1.3 The SENATE approves schedule of academic activities for a session inclusive of dates of registration, mid-semester and end-semester examinations, inter-semester breaks etc. All these shall be laid down in the Academic Calendar for the session.

## 2. Admission

- 2.1 Admission to NIT, Agartala is made in accordance with the instructions received from the Ministry of Education (MoE), formerly the Ministry of Human Resources Development (MHRD), Government of India from time to time. Seats are reserved for candidates belonging to scheduled castes and scheduled tribes, physically challenged candidates and other backward communities as per the guidelines issued from Ministry of Education (MoE).
- 2.2 Admission to all courses is made in the odd semester of each session at the first year level through Joint Entrance Examination (JEE) conducted by the Central Board of Secondary Education (CBSE).
- 2.3 A limited number of admissions are offered to Foreign Nationals and Indians living abroad in accordance with the rules applicable for such admission to be issued from time to time by the MoE under the scheme Direct Admission of Students Abroad (DASA).

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- 2.4 In special cases the Institute may admit students to a programme on transfer from other NITs. Such admissions may be made at any level if considered appropriate. However, no student is permitted transfer during first semester.
- 2.5 If, at any time after admission, it is found that a candidate has not fulfilled all the requirements stipulated in the offer of admission, the Dean of Academic Affairs may revoke the admission of the candidate and report the matter to the SENATE.
- 2.6 The Institute reserves the right to cancel the admission of any student and ask him/her to discontinue his/her studies at any stage of his/her career on the grounds of unsatisfactory academic performance or in-disciplined conduct.

## 3. Residence

- 3.1 All students shall be required to reside in and be members of the hostels to which they are assigned at the time of registration. Only in exceptional circumstances a student may be permitted to change from one hostel to another.
- 3.2 Under special circumstances, the Director/Dean of Academic Affairs may permit a student to reside with his/her Parent/Guardian in the Institute Campus or within a reasonable distance from the Institute. Such a student shall however be attached to a hostel and will be required to pay seat rent according to rules and Hostel establishment charges fixed by the Institute. However, this permission may be withdrawn at the discretion of the Institute, at any time considered appropriate by the Director/Dean (Academic), without assigning any reason.
- 3.3 No married student at the under-graduate level is provided accommodation in the hostel.
- 3.4 All students must abide by the rules and regulations of the hostel as may be framed from time to time by the Board of Hostel Management with the approval of SENATE.

## 4. Attendance

4.1 **a.** It is expected that all the students will attend all the lecture, tutorial, laboratory, practical and workshop classes in each subject. A student, will not be allowed to appear at the Mid/End semester examination if the attendance falls below 75% in a subject and he/she will be awarded (Fail) "FA" grade in that subject.

**b.** In Extra-Academic Activities (EAC), i.e., NCC, NSS, NSO etc. a student must attend at least 75% of the total classes. The students are also to attend 75% of classes in camps and some other activities/ programmes notified from time to time.

#### 4.2 Leave of Absence

- (a) If the period of leave is for a short duration (less than two weeks), prior application for leave shall have to be submitted to the Head of the Department concerned stating fully the reasons of the leave along with supporting document(s). Such leave will be granted by the Head of the Department.
- (b) Absence for a period not exceeding two weeks in a semester due to sickness or any other unavoidable reason for which prior application could not be made by the student may be condoned by the Head of the Department provided he/she is satisfied with the explanation.

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- (c) If the period of absence exceeds two weeks, prior application for grant of leave will have to be submitted to the Dean of Academic Affairs with supporting documents through the Head of the Department in each case. The decision to grant leave shall be taken by the Dean of Academic Affairs on the recommendation of the Head of the Department.
- (d) The Dean of Academic Affairs may, on receipt of an application also decide whether the student be asked to withdraw from the course for that particular semester because of long absence.
- (e) The leave of absence as per paras 4.2 (a) to (c) will not be condoned for attendance.
- 4.3 It will be the responsibility of the student to intimate the warden of the hostel in which he/she is residing, and the concerned instructor(s) about his/her absence before availing the leave.
- 4.4 In exceptional circumstances, the Dean of Academic Affairs in consultation with the Chairman, SENATE may relax any of the above requirements.

## 5. Conduct and Discipline

- 5.1 The conduct of the students inside and outside the premises of the Institute shall be befitting the students of an institution of national importance.
- 5.2 As per the order of the Hon'ble Supreme Court of India, ragging in any form is banned. Acts of ragging will be considered as a gross indiscipline and will be severely dealt with.
- 5.3 The following acts of omission and/or commission on the part of any student(s) shall constitute gross violation of the code of conduct and will invoke disciplinary measures:
  - (a) Ragging
  - (b) Lack of courtesy and decorum, indecent behavior anywhere within or outside the campus.
  - (c) Willful damage or stealthy removal of any property/belongings of the Institute/Hostel or of fellow students.
  - (d) Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.
  - (e) Mutilation or unauthorized possession of library books.
  - (f) Noisy and unseemly behaviour, disturbing studies of fellow students.
  - (g) Hacking in computer systems (such as entering other person's area with prior permission, manipulation and/or damage of computer hardware and software etc.)
  - (h) Any other act of gross indiscipline.
  - (i) Commensurate with the gravity of the offence, the punishment may be reprimand, fine, expulsion from the hostel, debarment from an examination, rustication for a specified period or even out right expulsion from the Institute.
- 5.4 For an offence committed in (a) a hostel (b) a Department or in a classroom and (c) elsewhere, the Warden, the Head of the Department and the Dean of Student Affairs, respectively, shall have the authority to reprimand or impose fine. All cases involving punishment other than reprimand shall be reported to the Chairman.

All cases involving punishment other than reprimand shall be reported to the Chairman, Students Disciplinary Committee.

5.5 All major acts of indiscipline, which may have serious implications on the general body of

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students, and/or which may warrant a uniform and more formalized nature of investigation, shall be handled by the Students Disciplinary Committee, appointed by the SENATE.

- 5.6 Cases of adoption of unfair means in an examination shall be reported to the Dean of Academic Affairs for taking appropriate action. The action will be as follows:-If any student is found adopting unfair means in the Mid-Term/End-Term Examination he/she will be expelled for the subjects only but not for the rest of the examination. Such students will be awarded 'F' Grade in the subjects in which he/she will be found adopting unfair means in the examination.
- 5.7 In the event of a major punishment, the aggrieved party shall have the right to appeal to Chairman, SENATE

## 6. Change of Branch

- 6.1 Normally a student admitted to a particular branch of the under graduate programme (B. Tech & BT-MT) will continue to study in the same branch till completion of the course.
- 6.2 However, in special cases the Institute may permit a student admitted through JoSAA to change from one branch of studies to another after the first two semesters. Such changes will be permitted, in accordance with the provisions laid down in 6.3.
- 6.3 Only those students will be eligible for consideration of a change of branch after the second semester who have.
  - (a) Completed all the common credits required in the first two semesters of their studies, in their first attempt without having any course requirement in the supplementary examination.
  - (b) Obtained not less than CGPA 8.5 at the end of the second semester.
- 6.4 Applications for a change of branch must be made by intending eligible students in the prescribed form. The Deputy Registrar (Academic)/Assistant Registrar (Academic) will call for applications in the beginning of the odd semester of each academic year and completed forms must be submitted by the last date specified in the notification.
- 6.5 Students may enlist upto six (6) choices of branch, in order of preference, to which they wish to change over. It will not be permissible to alter the choice after the application has been submitted.
- 6.6 Change of branch shall be made strictly in order of merit of the applicants. For this purpose the CGPA obtained at the end of the second semester shall be considered. In case of a tie, the JEE rank of the applicants will be considered.
- 6.7 The applicants may be allowed a change in branch, strictly in order of inter se merit, subject to the limitation that the strength of a branch should not go above the sanctioned strength by more than ten percent.
- 6.8 All changes of branch made in accordance with the above rules will be effective only from the third semester of the applicants concerned. No change of branch shall be permitted after this.
- 6.9 All changes of branch will be final and binding on the applicants. No student will be permitted, under any circumstances, to refuse the change of branch offered.

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## 7. Course Structure

7.1 Teaching of the courses shall be reckoned in credits. Credits are assigned to the courses based on the following general pattern:

1(one) credit for each lecture period of one hour. 1(one) credit for each tutorial period of one hour.

1(one) credit for each Laboratory or Practical or Project session of 1.5 hours.

2(two) credits for each Laboratory or Practical or Project Session of three hours duration.

- 7.2 In order to qualify for a B.Tech. degree of the Institute, a student is required to complete the credit requirement as prescribed in the curriculum for a particular programme.
- 7.3 No semester will normally have more than six lecture based courses and four laboratory based courses. However, in special cases, students may be permitted to take seven lecture-based and five laboratory/workshop based courses subject to the recommendation of Faculty Advisor and approval of Departmental Under graduate Programme Committee (DUPC).
- 7.4 In addition to the prescribed credit requirement a student shall have to complete the requirements of Extra Academic Activities (EAA) in one of the first 4 semesters. Students will be awarded grades in EAA, which will be recorded in the Grade Card in which a particular students registers for the same but not taken in to account for computing the SGPA and the CGPA.
- 7.5 The course work requirements may be broadly divided into following four main groups of subjects:
  - (i) Humanities and Social Sciences
  - (ii) Basic Sciences and Mathematics
  - (iii) Engineering Sciences & Practice
  - (iv) Professional Subjects
- 7.6 The total course package for a department consists of the following components:
  - (i) Institutional Core subjects
  - (ii) Departmental Core subjects
  - (iii) Departmental Elective subjects
  - (iv) Institute Elective subjects
- 7.7 Every B. Tech. programme will have a curriculum and syllabi for the courses approved by the SENATE. DUPC will discuss and recommend the syllabi of all the under graduate courses offered by the Department from time to time before sending the same to the Board of Under-Graduate Studies (BUGS). The BUGS will consider the proposals from the Departments and make recommendations to the SENATE for consideration and approval.
- 7.8 Medium of instruction, examination and project will be in English.
- 7.9 The curriculum of an individual Department may include industrial training for 6-8 weeks for every under graduate student. Industrial training and/or fieldwork is to be satisfactorily completed before a student is declared eligible for the degree. The curriculum for an individual Department will show a credit allocation for industrial training. Normally industrial training will be arranged during the summer vacation immediately following the sixth semester of studies.
- 7.10 Faculty Advisor: To help the students in planning their courses of study and getting general

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advice on the academic programme, personality development, career planning and welfare, the concerned Department as far as possible will assign Faculty Advisor(s) for each batch of students. In the first year the Dean of Academic Affairs shall assign Faculty Advisors.

## 1. Registration

- 8.1 Every student is required to register for the approved courses through the Faculty Advisor at the commencement of each semester on the day fixed for such registration and notified in the Academic Calendar.
- 8.2 Students who do not register on the day announced for the purpose may be permitted late registration up to the notified day in Academic Calendar on payment of an additional fee on the following conditions:-
- Registration in any semester shall be allowed up to a period of 7(seven) days beyond the specified date of registration with a fine of Rs.1,000/- (one thousand).
- Registration in any semester shall also be allowed up to a period of 7(seven) days after the expiry of first 7 (seven) days beyond the specified date of registration with a fine of Rs.5,000/- (five thousand).
- There shall be no registration after the expiry of 14(fourteen) days beyond the specified date of registration.
- This shall however not be applicable to the students who register on receipt of bank loan or in the case of exigency such as death of any family member provided the matter of bank loan or expiry of any family member is communicated to Dean (Academic) within 3(three) days after the end of last date of registration.
- 8.3 Only those students who fulfil the following conditions will be permitted to register in the next semester:-
  - (a) Cleared all Institute, Hostel and Library dues and fines (if any) of the previous semesters
  - (b) Paid all required advance payments of Institute and Hostel dues for the current semester, and
  - (c) Cleared the minimum academic requirement.
  - (d) Has not been debarred from registering on any specific ground.
- 8.4 During registration following conditions must be fulfilled:
  - (a) A student must pass all first year courses before registering for the **third year courses** (5<sup>th</sup>sem onwards).
  - (b) Normally, the number of credits registered for during a semester should not be less than prescribed credits as stated in the curriculum. *Under special circumstances the Dean (Academic) may permit a student to register for more or less credits in a semester.*
- 8.5 (a) Students obtaining grade 'F' in any theory subject in any semester may clear it by appearing at the supplementary examinations.
  - (b) "Students failing in practical subjects will be awarded 'F' Grade. Such Students will be required to re-register for those subjects in the next appropriate semester"
  - (c) Similarly, in case of failure in Extra Academic Activities the student will have to reregister for it in the appropriate semester of the next academic session.
- 8.6 Students with year back are exempted from paying tuition fees of the semester in which he/she does not have any back paper.

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- 8.7 A student who obtains a CGPA less than 6.5 may be permitted by the Dean of Academic Affairs on the recommendations of the Associate Dean (Examination) to appear at the examination for improvement in 3 subject(s) to the maximum in which subjects the student has got at least 'P' grade. A student obtaining 'F' or 'FA' grade in any subject of the current academic session will not be allowed to appear at the examination in any subject for improvement.
- 8.8 A student will be allowed to appear at parallel and supplementary examination in 5 subjects to the maximum. A student having a 'FA' grade in any subject will be allowed to appear at the examination after attending required number of classes to be arranged by the concerned faculty with the approval of the Head of the Department.
- 8.9 If a student fails to register himself/herself for two consecutive semesters during the programme, his/her registration will automatically be cancelled (as approved in 53<sup>rd</sup> meeting BoG).

## 2. Supplementary and Parallel Examination

9.1 Students having FA grade (fail due to shortage of attendance) in subject(s) will be allowed to sit for parallel examination after attending 75% of classes and on payment of requisite fee as per Institute Rule. The schedule of classes will be announced by the concerned faculty of the subject(s) as per convenience.

However, B.Tech final year students admitted on or after 2011 and having FA grade in subject(s) will be allowed to sit for parallel examination after attending summer course. Such candidates will be required to pay a Rs.5,000/- per subject.

Students having F grade in subject(s) will also be allowed to appear at the supplementary examination during the summer vacation without attending any classes on payment of requisite fee as per Institute Rule.

- 9.2 The schedule of supplementary examination during the summer vacation will be announced by the Associate Dean (Examinations) at the end of even semester examination. A student will have to register for supplementary/ improvement examination by paying the prescribed fee as per Institute Rule within the stipulated time to be announced by the Associate Dean (Examinations).
- 9.3 The total number of contact hours for any parallel examination for the students having FA grade will be the same as in the regular course. The assessment procedure in the parallel examination will also be similar to the procedure for a regular semester course. Grades on the result of supplementary parallel/improvement examination will be awarded in the following manner:-

Grade obtained in Supplementary / Parallel/ Improvement Examination	Grade to be awarded
Ex	А
А	В
В	С
C	D
D	Р
Р	Р
• • • • • • • • • • • • • • • • • • •	F

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## 3. Duration of the programme

10.1 Normally a student should complete all the requirements for undergraduate programme in 8 (eight) semesters. However, academically weaker students who do not fulfil some of the requirements in their first attempt and have to repeat them in subsequent semester(s) may be permitted up to 12 (twelve) consecutive semesters (from the first semester registration) to complete all the requirements of the degree.

However, if a student is granted a withdrawal for one or more semester on medical ground the withdrawn semester(s) will be counted towards the maximum duration of stay at the Institute.

10.2 In case a student fails to complete the B.Tech course with in the maximum limit of 12 semesters the case will be decided separately with the approval of the Competent Authority.

## 4. Temporary withdrawal from the Institute

- 11.1 A student who has been admitted to an undergraduate programme of the Institute may be permitted to withdraw temporarily from the Institute on the grounds of prolong illness or grave calamity in the family for a period of one semester or more, provided:
  - (a) He/she applies to the Institute within at least 6 weeks of the commencement of the semester or from the date he/she last attended his/her classes whichever is later, stating fully the reasons for withdrawal together with supporting documents and endorsement of his/her guardian.
  - (b) The Institute is satisfied that, counting the period of withdrawal, the student is likely to complete his/her requirements of the B.Tech. degree within the time limits specified in para 10 above.
  - (c) There are no outstanding dues or demands of the Institute / Hostel / Library / NCC / NSO.
- 11.2 A student who has been granted temporary withdrawal from the Institute under the provisions of para 11.1 will be required to pay fees/charges (except tuition fees and hostel dues) till such time as his/her name is on the Roll List. However, fees once paid will not be returned.
- 11.3 For those students who have scored F & FA grade in 4 (Four) or more theory & practical subjects is restricted to register for the next semester, for them the semester fee will be the tuition fee and other essential fees/charges for the intervening period till such time as his/her name is borne on the Roll List, even if they do not have any backlog paper for any of the semester in that particular year.
- 11.4 A student will be permitted **only one such temporary withdrawal during his/her tenure** as a student of the undergraduate programme.

## 12. Restriction / Termination from the programme

12.1 A student is required to leave the Institute on the following grounds:

If at the end of any two semesters (one academic year) a student has scored "F" and "FA" grade in 4 (four) or more theory and practical subjects, he/she will not be permitted to register for the next semester subjects and will have to register for those subjects in which s/he scored "F" and "FA" grades in the previous two semesters (i.e. a

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#### student will be promoted with 3 back papers only).

- (a) If a student is absent for more than 6(six) weeks in a semester without sanctioned leave his/her name will be struck off the rolls.
- (b) A student may also be required to leave the Institute on disciplinary grounds on the recommendations of the Students Disciplinary Committee.

## 13. Grading System

13.1 Based on the performance of a student, each student is awarded a final letter grade in each subject at the end of the semester. The Institute follows an absolute grading system and has separate scale for theoretical and practical subject. The letter grades and the corresponding grade points are as follows:

#### **Theoretical Subject**

% of marks	Grades	Points
90 and above	Ex	10
80-89	А	9
70-79	В	8
60-69	С	7
50-59	D	6
40-49	Р	5
Below 40	F	

#### **Practical Subject**

% of marks	Grades	Points
90 and above	Ex	10
80-89	А	9
70-79	В	8
60-69	С	7
50-59	D	6
Below 50	F	

In addition, there shall be two transitional grades 'I 'and 'X' for the students against whom disciplinary action remains pending.

- 13.2 A student is considered to have completed a subject successfully and earned the credits if he secures a letter grade other than 'I', 'X 'or 'F' in that subject. A letter grade 'F' in any subject implies a failure in that subject.
- 13.3 A student will be considered as Failed in a subject if s/he is not allowed to sit for the examination due to shortage of attendance. To differentiate this with normal failure it will be shown as "F A" in the grade card.

#### 13.4 The Transitional Grades 'l' and 'X'

(a) The teacher of a subject may award the grade 'I' to a student if the latter was compelled to absent himself from the end semester examination on account of: (i)
 Illness or accident which disabled him from appearing at the examination. (ii) A

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calamity in the family at the time of the examination, which, in the opinion of the Institute, required the student to be away from the campus.

A student will be eligible for the award of grade 'l' only if his/her attendance at classes and performance in other components of assessment are complete and satisfactory.

- (b) The teacher of a subject may award the grade 'X' to a student if the overall performance of the student in the course is good, but is likely to get grade 'F' based on his/her end semester examination.
- (c) All 'I' and 'X' grades awarded by teachers must be converted by them to appropriate letter grades and communicated to the Academic Section (through Head of the Department) with in prescribed days of the respective make up examination. Any outstanding 'I' and 'X' grades two days after the last scheduled make up examination will be automatically converted to an 'F' grade.
- 13.5 A Semester Grade Point Average (SGPA) will be computed for each semester as per following formula:-

$$\mathbf{SGPA} = \frac{\sum_{i=1}^{n} C_i G_i}{\sum_{i=1}^{n} C_i}$$

Where,

n is the number of courses registered during the semester.

 $\mathbf{C}_{\mathrm{i}}$  is the number of credits allotted to a particular course, and

 $\mathbf{G}_{\mathrm{i}}$  is the grade points corresponding to the grade awarded for the course.

13.6 A Cumulative Grade Point Average (CGPA) will be computed at the end of each semester as per following formula:-

$$\mathbf{CGPA} = \frac{\sum_{i=1}^{n} *C_i S_i}{\sum_{i=1}^{n} *C_i}$$

Where,

S is the SGPA of the corresponding semesters.

\*C is the total credit of the corresponding semesters.

- 13.7 Both SGPA and CGPA will be rounded off to second place of decimal and recorded as such. Whenever these CGPA are to be used for the purpose of determining the merit ranking of a group of students, only the rounded off values will be used.
- 13.8 When a student gets the grade 'I' or 'X' for any course during a semester, the SGPA for that semester and the CGPA at the end of that semester will be tentatively calculated ignoring 'I' and 'X' graded course(s). After conversion of 'I' and 'X' grade(s) to appropriate grade(s), the SGPA and CGPA of that semester will finally be recalculated after taking the converted grade(s) in to account.

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- 13.9 There are, however, a few other academic requirements for under graduate programmes where student will be awarded following two grades viz., 'P' Passed and 'NP'–Not Passed. All non-credit subjects (such as field visit sand Extra Academic Activities) belong to this category. No grade points are associated with these grades and performance in these subjects is not taken into account in the calculation of the SGPA or CGPA. However, the award of the degree is subject to obtaining a 'P' grade in all subjects.
- 13.10 There will be a grand viva for the B.Tech final year students of all branches of engineering. In such grand viva an Industrialist with academic background or an academician with industrial back ground will in variably be invited to remain present and take part in the viva-voce examination.
- 13.11After the successful completion of vocational training each student will have to submit a report in their respective Department. This will however be a non-credit subject.

## 14. Assessment of Performance

- 14.1 There will be continuous assessment of a student's performance throughout the semester and grades will be awarded by the teacher concerned or the appropriate committee appointed for this purpose on the following basis.
  - (a) In case of
    - (i) Theoretical subjects, the evaluation will be based on teachers assessment, quizzes, mid semester examination and end semester examination, and
    - (ii) Sessional subjects (Laboratory/Design/Drawing/Workshop etc.), the evaluation will be on the basis of attendance, assessment of the tasks assigned and the end semester test/viva.
  - (b) The evaluation of the project work will be based on Sessional work assigned by the teacher, seminar, project report and project evaluation committee's assessment (also see para 14.2 below)
  - (c) In case of other requirements such as seminar, comprehensive viva-voce, extra academic activities etc. as determined by the grade awarding authority.
  - (d) The mid semester and the end semester examination will be conducted centrally by the Examination/Academic Section of the Institute in every semester. Admit card is issued to the students at the time of these examinations. If the admit card is lost, a duplicate admit card will be issued against an amount of Rs. 200/-. The same can be collected from the Examination Section by showing the ID card. The students can collect the duplicate admit card after the end of the examination from the Examination Section, paying the requisite amount to the Institute account through challan. He/she have to bring the duplicate admit card in remaining days of the examination.

If any student fail to pay the requisite amount for issuance of duplicate admit card, then their result of that semester will be withheld until the clearance of the due.

The details of modalities for the internal assessment will be as follows:-

The class test or quizzes will be organized by the teachers concerned.

- (e) The weight age assigned to different components of assessment should be announced by the concerned teacher(s) in the beginning of the semester.
- (f) The results of performance of the students in the mid semester examination shall be

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announced by the teachers of the subjects concerned with in a fortnight of the examination. The teachers will also show the answer-scripts to the students if they want to see with in a period of 15 days from the next day of the end of Mid Semester examination.

(g) The final grades for a subject must be submitted after the end semester examination by the concerned teacher(s) individually to the Asso. Dean (Exam) within7 (seven) days from the next day of the end of End Semester examination

#### 14.2 Evaluation of Projects

- (a) The project work is normally in two stages, each spread over a semester. At the end of first stage the student is required to submit a preliminary report of his/her work by a prescribed date to the Project Coordinator, Secretary, DUPC and present it to an Internal Project Evaluation Committee. The second stage of work is continued in second semester. However, the student will have an option to carry out the project in the Industry during final semester. But all these students required to pay the hostel fee.
- (b) (i) The Chairman, DUPC will submit to the academic section the names of the project examiners at least two weeks before the submission of the second stage project. Three unbound typed copies of the project report one for each examiner, prepared according to the prescribed format available in the academic section will be submitted to the Department at least one week before the probable date of oral examination.
  - (ii) The Department will record the date of submission of the project and arrange to send the project reports to the examiners. The project coordinator will inform the date of the oral examinations to the examiners and send a copy to the academic section. The project will be evaluated by the Project Evaluation Committee and the result will be submitted to the Project Coordinator, who in turn will forward it to the Academic Section.
  - (iii) On successful completion of the oral examination, each student will be required to submit corrected bound copy of the project report one each to the Department and the supervisor(s).
- (c) Extension of time usually not exceeding 3months from the announced last date for submission of the project report may be granted by the DUPC in the case of students with insufficient progress in the project work. In such a case the concerned students will be temporarily awarded 'I' grade. Further, if the reports are not submitted within the allowed period of time, the 'I' will be automatically converted to 'F' grade.
- (d) Those who fail in the first stage assessment will be required to re-register for the first stage in the following semester. Likewise, those who obtainan 'F' grade in the final (second stage) assessment will be required to re-register for it in the subsequent semester (including summer semester).
- 14.3 The evaluation of performance in Extra Academic Activities will be done by the section of Dean (SW) and will communicate grades to the Examination Section.

## **15. Method of awarding letter grades**

15.1 The teacher(s) shall submit two copies of letter grades to the Head of the Department to

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which the subject belongs, by the due date specified In the Academic Calendar. Head of the Department will forward all grades to the Academic Section by the due date specified in the calendar.

- 15.2 All evaluated work in a subject except end semester answer scripts will be returned to the students promptly. End semester examination answer scripts shall be preserved by the concerned Department and the sheets containing details of marks converted to grades, shall also be preserved by the teacher(s) concerned.
- 15.3 **Changes in Grades Already Awarded:** If a student feels that the grade awarded to him/her in a course is not correct, he/she may request the teacher of the course to show him/her the end semester answer script in order to ensure that all the questions have been evaluated, before the date of result publication.
- 15.4 If a student is not satisfied with the result in any subject(s) in any examination even after seeing the answer-script(s) from the faculty may apply for review of marks of the subject(s) on payment of a fee of Rs. 500/- per subject within 30 days from the date of result publication.
- 15.5 Distribution of 30 marks of internal assessment in theory subjects:-

The modified distribution of marks of any subject of ODD and EVEN semester of various UG, Dual Degree, PG and Ph.D programmes will be as follows:

Attendance 05 i. ii. Quiz 05 Class test 10 iii. iv. Assignment-10 Mid-Term 20 ν. End-Term 50 vi

However, the examination of mid & end term will be conducted out of 20 & 50 number respectively.

## 16. Examinations

- 16.1 In assessing the students' performance in subjects (Theory, Laboratory, and Sessional), seminars, project work etc., the system of continuous assessment is adopted by the Institute. In conformity with this practice, there will be one mid semester examination and an end semester examination for every Theoretical subject –in addition to the teachers' assessment and quizzes etc. Marks distribution for Laboratory subject will be 70% Experiment, 20% Viva, 10% Report.
- 16.2 A student may be debarred from appearing in the mid or/and end semester examination due to the following reasons:
  - (a) If any disciplinary action is taken against him/her.
  - (b) On recommendation of a teacher, if
    - (i) His / her attendance in the Lecture/ Tutorial / Practical classes has been less than 75%.
    - (ii) His/her performance in the Sessional work done during the semester has been unsatisfactory.
- 16.3 In the event of final year student failing in a Laboratory and/or Sessional subjects, the

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teacher concerned may, at his/her discretion, grant the student an extension of time not exceeding 3 months and award an 'I' grade. If no such extension is given to a student he/she has to re-register for the same requirement in the earliest succeeding semester in which it is offered.

16.4 Supplementary examination for the students shall be conducted for 80 marks on realization of a fee of Rs.500/- (Rupees five hundred) per subject. The duration of the examination is three hours.

## 17. Make up Examinations

- 17.1 Students who have missed an end semester examination on valid reasons and awarded 'l' grade are eligible for make-up examination. They should make an application to the Associate Dean (Examination) through the Instructor/HOD within seven days from the date of examination missed explaining the reasons for their absence.
- 17.2 No make-up-examination will be scheduled for the mid semester examination and quizzes. It is entirely up to the teacher to ascertain the proficiency of the student by whatever means considered appropriate to him/her if he/she is satisfied of the bonafides.
- 17.3 Official permission to a make-up examination will be given under exceptional circumstances such as admission to a hospital due to illness and a calamity in the family at the time of examination. Students residing in the hostels should produce a medical certificate issued by the Institute Medical Officer only. Students who are permitted to stay outside the campus or who have been authorized to be away from the Institute should produce a medical certificate from a Medical Officer not below the rank of a Civil Surgeon and endorsed by the Institute Medical Officer. Certificate from private medical practitioners will not be accepted. The Dean of the Academic Affairs can use his/her discretion in giving permission to a student to take a make-up-examination.
- 17.4 Students who are awarded 'X' grade by the teachers are also eligible for the make-up examination.
- 17.5 Make up examinations will be held as per dates notified by the Associate Dean (Examination). Make up examinations at any other time can be held only with the permission of the Dean of Academic Affairs.

## **18. Withholding of Grades**

18.1 Grades shall be withheld when the student has not paid his/her dues or when there is a disciplinary action pending against him/her.

## 19. Eligibility for the award of B. Tech. Degree

- 19.1 A student shall be declared to be eligible for the award of B.Tech. degree if he/she has
  - (a) Completed all the credit requirements for the degree with grade 'P' or higher grade in each of the subjects (Theoretical, Laboratory, Workshop, Sessional etc.), Seminar, Project etc.
  - (b) Satisfactorily completed all the non-credit requirements for the degree viz.-Extra Academic Activities etc.;
  - (c) "A candidate who passes the examination of all semesters in the **1**<sup>st</sup> **appearance** and in addition secures a CGPA of 8.5 and above will be declared to have placed in FIRST

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CLASS WITH DISTINCTION.

(d) A student in order to be eligible for gold medal must complete B.Tech programme within 8 semesters and not having any back-paper in any semester of the entire course.

A candidate who passes the examinations of all semesters and secures a CGPA 6.5 and above but below

8.5 and completes the course / degree will be declared to have placed in the FIRST CLASS."

A candidate who passes the examinations of all semesters and secures a CGPA 5.0 and above but below

6.5 and completes the course / degree will be declared to have placed in the SECOND CLASS." A student of B. Tech has to completes the course within 12 (twelve) semesters to the maximum.

- (a) The student should not have any dues to the Institute, Department, Hostels, NCC and NSO.
- (b) The student should not have any disciplinary action pending against him/her.
- 19.2 The award of B. Tech degree must be recommended by the SENATE and approved by the Board of Governors (BoG) of the Institute.

#### **19.3 Departmental Undergraduate Programme Committee (DUPC)**

#### **Composition:**

i)	Head of the Department (ex-officio)	Chairman
ii)	50% of the faculty members of the Department with a maximum of six or a minimum of three faculty members to be nominated by the HOD of which one will be nominated By the HOD as the Member Secretary.	Members
iii)	One faculty member from another Department. The faculty member from the other Department will be nominated by the HOD of That Department on request of the concerned Department.	Member
iv)	Two students with CGPA not less than 7.5 to be elected by the undergraduate Students of the 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> years. One student member from any other Department May be co-opted if necessary. For Science and Humanities Departments, the Dean of Academic Affairs shall Nominate the student representatives to the DUPC concerned.	Members

DUPC may take the assistance of an expert in the relevant area from IIT Guwahati or IIT Kharagpur as and when necessary with the prior approval of the Competent Authority.

Tenure: Two years

### **Functions:**

- (i) To oversee the conduct of all under graduate courses of the Department.
- (ii) To ensure academic standard and excellence of the courses offered by the

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Department.

- (iii) To discuss and recommend the syllabi of all the under graduate courses offered by the Department from time to time before sending the same to the **Board of Under-Graduate Studies (BUGS)**.
- (iv) To consider any matter related to the under graduate programme of the Department.

#### 19.4 Board of Under-Graduate Studies (BUGS)

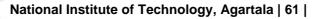
#### **Composition:**

i.	Dean of Academic Affairs (ex-officio)	Chairman
ii.	One member from each department nominated by the HOD and approved by the SENATE.	Members
iii.	DR (Academic) or AR (Academic)	Member, Secretary

Tenure: Two years.

#### **Functions:**

- 1. To oversee the conduct of all undergraduate courses of the Institute.
- 2. To consider the proposals from the Departments and make recommendations to the SENATE for consideration and approval.
- 3. To issue guidelines to various Departments on evaluation pattern of the courses to maintain uniformity. To consider and recommend the assessment procedure to be adopted by various Departments.
- 4. To consider and recommend any other matter concerning the under graduate programme of the Institute.



# 7 Syllabus of B.Tech 1<sup>st</sup> Year

## Syllabus of B.Tech 1<sup>st</sup> Year

## NIT Agartala

#### Semester - I

		Froup	- I	Group - II						
Sl. No	Course	L	Т	Р	Credit		L	Т	Р	Credit
1	Engineering Mathematics-I	2	1	0	3	Engineering Mathematics-I	2	1	0	3
2	Engineering Physics-I	2	1	0	3	Engineering Physics-I	2	1	0	3
3	Engineering Chemistry-I	3	0	0	3	Engineering Chemistry-I	3	0	0	3
4	Basic Electrical Engineering	3	0	0	3	Basic Electronics	3	0	0	3
5	Engineering Mechanics	3	1	0	4	Disaster Management	2	0	0	2
6	Language (Professional Communication in English)	3	0	0	3	Introduction to Programming	3	0	0	3
7	Engineering Chemistry Laboratory	0	0	2	1	Engineering Physics Laboratory	0	0	2	1
8	Workshop Practice	0	0	2	1	Engineering Graphics	1	0	2	2
9						Computer Programing Laboratory	0	0	2	1
10	Basic Electrical Engineering Laboratory	0	0	2	1	Basic Electronics Laboratory	0	0	2	1
11	NSS/NCC	0	0	3	0	NSS/NCC	0	0	3	0
	Total Credit in 1 <sup>st</sup> Sem	16	3	9	22	Total Credit in 1 <sup>st</sup> Sem	16	2	11	22

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#### Semester - II

		Gro	oup - I					Group	- II	
Sl. No	Course	L	Т	Р	Credit		L	Т	Р	Credit
1	Engineering Mathematics-II	2	1	0	3	Engineering Mathematics-II	2	1	0	3
2	Engineering Physics-II	2	1	0	3	Engineering Physics- II	2	1	0	3
3	Engineering Chemistry-II	2	0	0	2	Engineering Chemistry-II	2	0	0	2
4	Basic Electronics	3	0	0	3	Basic Electrical Engineering	3	0	0	3
5	Disaster Management	2	0	0	2	Engineering Mechanics	3	1	0	4
6	Introduction to Programming	3	0	0	3	Language (Professional Communication in English)	3	0	0	3
7	Engineering Physics Laboratory	0	0	2	1	Engineering Chemistry Laboratory	0	0	2	1
8	Engineering Graphics	1	0	2	2	Workshop Practice	0	0	2	1
9	Computer Programing Laboratory	0	0	2	1					
10	Basic Electronics Laboratory	0	0	2	1	Basic Electrical Engineering Laboratory	0	0	2	1
	Total Credit in 2 <sup>nd</sup> Sem	15	2	8	21	Total Credit in 2 <sup>nd</sup> Sem	15	3	6	21
	Total First Year Credit				43	Total First Year Credit				43

## Course Curriculum for BS-MS 1<sup>st</sup> Semester, 2021-22

SI.	Subject Name	Code	Ho	Hours per week		
No.			L	Т	Р	
1.	PHYSICS-I	DSPH11B12	3	1	0	4
2.	CHEMISTRY-I	DSPH11B13	3	1	0	4
3.	MATHEMATICS-I	DSPH11B14	3	1	0	4
4.	LANGUAGE AND TECHNICAL WRITING	DSPH11B15	2	0	1	3
5.	DISASTER MANAGEMENT	DSPH11B16	2	0	0	2
6.	PHYSICS LAB-I	DSPH11P01	0	0	3	2
7.	CHEMISTRY LAB-I	DSPH11P02	0	0	3	2

## Course Curriculum for BT-MT 1<sup>st</sup> Semester, 2021-22

Sl.	Subject Name	Code	Ho	urs per w	eek	Credit
No.			L	Т	Р	
1.	ENGG. CHEMISTRY-I	DTCY11B09	3	0	0	3
2.	CHEMISTRY LAB	DTCY11P09	0	0	2	1
3.	BASIC ELECTRICAL ENGINEERING	DTEE11B12	3	0	0	3
4.	BASIC ELECTRICAL ENGINEERING	DTEE11P11	0	0	2	1
	LABORATORY					
5.	COMMUNICATION IN ENGLISH	DTHU11B13	3	0	0	3
6.	ENGG. MATHEMATICS-I	DTMA11B10	3	0	0	3 )
7.	ENGG. MECHANICS-I	DTME11B11	3	1	0	4 ) ((
8.	WORKSHOP PRACTICE	DTME11P10	0	0	2	1
9.	ENGG. PHYSICS-I	DTPH11B08	3	0	0	3 5
10.	NCC/NSS	DTPH11P12	-	-	-	

For detail syllabus please visit https://www.nita.ac.in/NITAmain/academics/FinalSyllabus 1stYear 2021.pdf

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## 8 Fee Structure : who admitted during academic session 2021-22

#### **B.TECH**

(In Rs.)

		Fee to be Deposited at	Fee t	o be Deposi	ted at the	time of Re	egistration o	of following	g sem.
SINo	ITEMS	the time of Admission (Rs.)	2 <sup>nd</sup> sem	3 <sup>rd</sup> sem	4 <sup>th</sup> sem	5 <sup>th</sup> sem	6 <sup>th</sup> sem	7 <sup>th</sup> sem	8 <sup>th</sup> sem
1	Admission Fee	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Inst. Development Fee	5,000.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Tuition Fee*	62,500.00	62,500.00	62,500.00	62,500.00	62,500.00	62,500.00	62,500.00	62,500.00
4	All other Fees <sup>#</sup>	2,425.00	2,425.00	2,425.00	2,425.00	2,425.00	2,425.00	2,425.00	2,425.00
5	Student Activity Fee	1,000.00	1,000.00	1,000.00	1000.00	1,000.00	1,000.00	1,000.00	1,000.00
6	Comm. Skill Dev. Fee	0.00	0.00	1,000.00	1,000.00	1,000.00	1,000.00	0.00	0.00
7	T & P Fee	0.00	0.00	0.00	0.00	0.00	0.00	2,000.00	2,000.00
8	Alumni Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,000.00
9	Medical Fee	1,200.00	0.00	1,200.00	0.00	1,200.00	0.00	1,200.00	0.00
10	Caution Money	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Prospectus Fee	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Identity Card Fee	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Grade Card Fee	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
14	Degree Certificate Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	450.00
15	Convocation Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
<u>_</u>	TOTAL	79,125.00	71,425.00	68,625.00	67,425.00	68,625.00	67,425.00	69,625.00	71,375.00

# All Other fees includes Exam fee. Rs. 1000/-, Library fee Rs. 500/-, I.T fee Rs. 725/-, Sports Complex User Charge Rs.200/-.

#### \*Note

- a) The SC/ST/PH Students shall get complete tuition fee waiver.
- b) The Most Economically Backward Students (whose family income is less than Rs1.00 lakh per annum) shall get full remission of the tuition fee.
- c) The Other Economically Backward Students (whose family income is between Rs.1.00 lakh to Rs.5.00 lakh per annum) shall get remission of 2/3<sup>rd</sup> of the tuition fee.
- d) The revised fee would be applicable for students taking admission starting from academic year 2016-17 onwards. The students currently studying admitted prior to academic session 2016-2017 would continue to pay the existing rates.

#### **DETAILS OF HOSTEL FEES FOR ALL PROGRAMMES**

SI.	User charge in hostel	PG Students	UG 1 <sup>st</sup> year students	UG 2 <sup>nd</sup> year students	UG 3 <sup>rd</sup> year
No.					onwards
		Amount	Amount	Amount	Amount
1	Hostel Admission fee (one time)	Rs 2000	Rs 2000	NA	NA
2	Caution Money (Refundable, one time)	Rs 5000	Rs 5000	NA	NA
3	Hostel Rent per semester	Rs 5000 for single room	Rs 4000 for double bedded room	Rs 5000 for single room , Rs 4000 for double bedded room	Rs 2500
4	Electricity Charge	Rs 1000	Rs 1000	Rs 1000	NA
5	Water Charge	Rs 600	Rs 600	Rs 600	NA
6	Hostel development fees	Rs 500	Rs 500	Rs 500	NA
1	Transport Charge	Rs 100	Rs 100	Rs 100	NA

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8	Mess Advance for five months	Rs. 18000	Rs. 18000	Rs. 18000	Rs 18000
	Total	Rs. 32, 200	Rs. 31,200 Double	Rs. 25,200/Rs 24,200	Rs. 20,500
		single room	bedded room.		

Note: Hostel fees may change from time to time and will be separately notified by the Chief Warden.

#### BACHELOR OF TECHNOLOGY-MASTER OF TECHNOLOGY (BT-MT)

(In Rs.)

							-	•		-	•
SI No	Particulars	1 <sup>st</sup> sem	2 <sup>nd</sup> sem	3 <sup>rd</sup> sem	4 <sup>th</sup> sem	5 <sup>th</sup> Sem	6 <sup>th</sup> Sem	7 <sup>th</sup> Sem	8 <sup>th</sup> sem	9 <sup>th</sup> sem	10 <sup>th</sup> sem
1	Admission fee	1000	00	00	00	00	00	00	00	00	00
2	Tuition fee	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000
3	All other fee <sup>#</sup>	2425	2425	2425	2425	2425	2425	2425	2425	2425	2425
4	Institute Development fee	5000	5000	00	00	00	00	00	00	00	00
5	Student Activity fee	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
6	Medical fee	1200	00	1200	00	1200	00	1200	00	1200	00
7	Caution Money	5000	00	00	00	00	00	00	00	00	00
8	Alumni fee	00	00	00	00	00	00	00	1000	00	00
9	ID card fee	200	00	00	00	00	00	00	00	00	00
10	Grade card fee	500	500	500	500	500	500	500	500	500	500
11	Prospectus	300	00	00	00	00	00	00	00	00	00
12	Communication Skill Development fee	00	00	1000	1000	1000	1000	00	00	00	00
13	Degree Certificate	00	00	00	00	00	00	00	450	00	450
14	T & P fee	00	00	00	00	00	00	00	00	2000	2000
15	Convocation Fee	00	00	00	00	00	00	00	1500	00	1500
	TOTAL	51,625	43,925	41,125	39,925	41,125	39,925	40,125	41,875	42,125	42,875

<sup>#</sup> All Other fees includes Exam fee Rs. 1000/-, Library fee Rs. 500/-, I.T fee Rs. 725/-, Sports Complex User Charge Rs.200/-.

## **BACHELOR OF SCIENCE-MASTER OF SCIENCE (BS-MS)**

(In Rs.)

SI	Particulars	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>
No		sem									
1	Admission fee	1,000	00	00	00	00	00	00	00	00	00
2	Institute Development Fee	5,000	00	00	00	00	00	00	00	00	00
3	Tuition fee	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500
4	All Others fees <sup>#</sup>	2425	2425	2425	2425	2425	2425	2425	2425	2425	2425
5	Laboratory fee (Phy./Che.)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
6	Medical Fee	1,200	00	1200	00	1200	00	1200	00	1200	00
7	Caution Money (Refundable)	2,000	00	00	00	00	00	00	00	00	00
8	Alumni fee	00	00	00	00	00	00	00	1000	00	00
9	ID Card fee	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Grade card fee	500	500	500	500	500	500	500	500	500	500
11	Convocation Fee	00	00	00	00	00	00	00	1500	00	1500
	TOTAL	20,825	11,425	12,625	11,425	12,625	11,425	12,625	13,925	12,625	12,925

# All Other fees includes Exam fee Rs. 1000/-, Library fee Rs. 500/-, I.T fee Rs. 725/-, Sports Complex User Charge Rs.200/-.

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# Procedure/Requirements for Acquiring various Documents Issued from Examination Section

SI. No.	Type of Documents	Requisite Fee	Application Procedure/Requirement
1.	Transcript	An amount of Rs.500/-for first five copies and Rs.100 for each additional copy	For application procedure please refer to the Institute Website>Forms & Notice>Notice for issue of Transcripts
2.	Verification of Academic Records of the Students	An amount of Rs.1000/-in the form of Demand Draft in favour of Registrar NIT Agartala payable at SBI NIT Agartala branch	For more information please refer to the Institute Website> Forms & Notice > Verification of Credentials (If the requesting authority is from any Central Govt. or Central Govt. (under taking) or from Tripura state Govt. then the requisite fee is not applicable)
3.	Transfer cum Migration	An amount of Rs 300/-	<ol> <li>Transfer cum Migration application form is available in the Institute Website &gt; Forms &amp; Notice &gt; Application form for Transfer cum Migration Certificate</li> <li>Submit the entire document in the Office of the Examination section/ email to exam.nitagartala@gmail.com. Along with the payment challan (It is to be noted that Institute issues Transfer cum Migration Certificate only against valid reasons)</li> </ol>
4.	Mark Statement	Rs.50/-	<ol> <li>To apply for a mark statement, a student needs to deposite the challan of Rs.50/-in the drop box of office of the Examination.</li> <li>(Admin 1GF5).</li> </ol>
5.	Percentage Conversion Certificate:	Rs.50/-	<ol> <li>An application addressing to Associate Dean (Exam) with father's name, along with the challan of the payment is require to be submitted to the office of the examination section.</li> <li>Challan of the Payment.</li> <li>Copy of the final year grade card and reason for taking the certificate is also require to be submitted.</li> </ol>
6.	Rank Certificate	Rs.50/-	Student has to Download the form from the Institute website. For more information please refer to the Institute Website>Forms & Notice > Application form for Institute / Departmental Rank Certificate.
7	Migration Certificate	Rs.300/-	1. After the Publication of the result for the
8	Provisional Pass Certificate/ Character Certificate	N/A	Even Semester End term Exam for the final year student a Notice will be issued from the Examination Section regarding the collection of these documents 2. Student has to submit the clearance certificate at the time of collection. 3. If migration is required then challan of Rs.300/- need to be shown.

SI. No.	Type of Documents	Requisite Fee	Application Procedure/Requirement			
	In case of lost of Migration/Provision	<ol> <li>Migration Certificate Rs.</li> <li>300/-</li> </ol>	Student has to write an application addressing To Associate Dean (Exam)			
9	al Certificate/Grade	<ol> <li>Provisional Certificate Rs.</li> <li>500/-</li> </ol>	2.Original copy of GD entry			
	Card/Degree	3.Grade card eachRs.500/-	3.Payment challan			
	Certificate/Character certificate	4.Degree certificate Rs.500/-				
	certificate	5.Character Certificate Rs 50/-				
10.	Review	An Amount of Rupees 500/- for each subject	After checking the copy if a student is not satisfied he/she can apply for an review (Rule 15.4). 1. Form need to be filled up after downloading the same from .Institute Website>Forms & Notice>Proforma of Application for Reviewing Answer scripts 2. Payment Challan			
11.	Make up Exam	N/A	1.A form need to be filled up which is available in the Institute Website>Forms & Notice>Proforma for Application of appearing in Make Up Examination			
12.	Grade Card	N/A	Notice is issued in this aspect in the Institute Website (grade card is issued only to the students who have no backlogs in the previous semesters).			

Institute Website: <u>www.nita.ac.in</u>



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# PROSPECTUS [PG] 2021-22

# NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA



## **PG PROGRAMME OF NIT AGARTALA**

The National Institute of Technology, Agartala expanded its academic horizon not only at Under graduate level but also at Post graduate level over the years since 01/04/2006 when the Institute emerged after conversion from Tripura Engineering College to National Institute of Technology. It started its journey in the postgraduate level of learning with M. Tech programmes in three Departments viz. Civil, Mechanical and Electrical Engineering in 2008-09 in three specializations only viz. Structural Engineering, Thermal Sc. & Engineering and Power Electronics & Drives. After that the number of specializations went on increasing with the passage of time and the requirement of the students. The Institute presently runs M. Tech programmes, M.Sc. programmes, MCA programme and MBA programme at Post graduate level.

## 1. M. Tech Programmes

M. Tech programmes are offered in the Institute by 8 (eight) academic departments in 23 (twenty three) specializations. Department-wise specializations and number of seats available in each specialization for direct admission through CCMT, admission under DASA scheme and seats under sponsored category have been given below:

Department Name	Programme Name	Seat for CCMT	DASA	Total
	Geotechnical Engineering	15	02	17
	Structural Engineering	15	02	17
	Environmental Engineering	15	02	17
Civil Engineering	Transportation Engineering	15	02	17
	Water Resources Engineering	05	01	06
	Seismic Science & Engineering	05	01	06
	Hydro Informatics Engineering	10	02	12
	Thermal Science & Engineering	15	02	17
	Manufacturing Technology	15	02	17
Mechanical Engineering	Machine Design	05	01	06
	Automotive Engineering	05	01	06
	Material Science & Engineering	10	02	12
	Power Electronics & Drives	15	02	17
Electrical Engineering	Power System Engineering	15	02	17
	Instrumentation Engineering	10	02	12
	Integrated Energy System	05	01	06
Electronics &	VLSI Design	19	02	21
Communication Engineering	Communication Engineering	15	02	17
Computer Science &	Computer Science & Engineering	15	02	17
Engineering	Artificial Intelligence	10	02	12
Production Engineering	Computer Integrated Manufacturing	10	02	12
Chemical Engineering	Chemical Engineering	09	01	10
Bio Engineering	Biotechnology & Biochemical Engineering	07	01	8 )
TOTAL		260	39	299
Sponsored Seat		10	00	10
Grand total		270	39	309

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### 1.1 Procedure of admission

Candidates are primarily admitted in M. Tech programme through centralized counseling conducted by CCMT. This counseling is applicable only to the candidates who are GATE qualified. The seats are allotted by the Institute conducting centralized counseling through CCMT on the basis of their rank in the GATE examination.

There are 10 seats which are earmarked for the sponsored candidates. Candidates who are employed in any Govt., Semi Govt., and Undertaking etc. and have completed atleast two years of continuous service may apply under this category if they are sponsored by their employer. A separate advertisement is made inviting applications for admission under sponsored category every year generally in the month of May-June. Candidates under sponsored category are selected by the Institute on the basis of their performance in the oral / written examination etc. conducted by the Academic Departments.

There are another 39 seats covering all the 23 specializations for admission under Direct Admission of Students Abroad (DASA) scheme. Admission is made under the scheme on the basis of allotment of seats by the Institute conducting DASA.

## **1.2 Eligibility condition**

The candidates with 65% marks or CPI / CGPA of 6.5 at a scale of 10 for General/ OBC category candidates and 60% marks or CPI/CGPA of 6.0 at a scale of 10 for SC/ST candidates in BE/ B.Tech are eligible for admission in M. Tech programme. The candidates must have valid GATE score for admission under centralized counseling.

#### Fee structure

The fee structure of M. Tech programme for all categories of candidates is as follows:

SI		1 <sup>st</sup> sem	2 <sup>nd</sup> sem	3 <sup>rd</sup> sem	4 <sup>th</sup> sem	other sem
No	Particulars	fee	fee	fee	fee	fee
INO		(In Rs)	(In Rs)	(In Rs)	(In Rs)	(In Rs)
1	Admission fee	1000	00	00	00	00
2	Tuition	35000	35000	35000	35000	35000
3	All other fees	2425	2425	2425	2425	2425
4	Inst. Development fee	5000	00	00	00	00
5	Student Activity fee	1000	1000	1000	1000	1000
6	Medical	1200	00	1200	00	1200
7	Caution Money	5000	00	00	00	00
8	Alumni fee	00	00	00	1000	00
9	ID card	200	00	00	00	00
10	Grade Card	500	500	500	500	500
11	Convocation Fee	00	00	00	1500	00 🖉
TOTAL		51,325	38,925	40,125	41,425	40,125

All Other fees includes Exam fee Rs. 1000/-, Library fee Rs. 500/-, I.T fee Rs. 725/-, Sports Complex User Charge Rs.200/-.

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## **1.3 Reservation of Seats**

For the purpose of admission in M. Tech programme 200 point roster as per Govt. of India norm is followed in the Institute. As per this norm 15% seats are reserved for the SC candidates while 7.5 % seats, 5% seats and 27% seats are reserved for ST candidates, Physically Handicapped candidates and candidates of Other Backward Community respectively. Recently after the 103 constitutional amendments, a further reservation to the extent of 10% has been extended to the Economically Weaker Sections (EWS) who were not covered under the existing reservation system. NIT Agartala is also following the same reservation policy.

## 1.4 How to Apply

The candidates having valid GATE score and fulfilling required eligibility conditions may apply for admission under centralized counselling as per norms of the Institute conducting Centralized Counselling for admission.

## 1.5 Medical Examination

The candidates selected for admission will have to undergo a medical examination to be conducted by the Medical Board formed by the Institute and satisfy the physical standards. A candidate if declared physically unfit will not be admitted.

## 1.6 Registration

The candidates selected for admission will have to register himself / herself with NIT Agartala online in the Institute itself. The physical presence of the candidate is mandatory at the time of registration.

## **1.7 Attendance**

Students who are admitted will be required to attend at least 75% in all Lectures, Tutorials, classes of Laboratories, Practical classes, Workshops classes etc. in each subject.

## 1.8 Timing

Classes of all the semesters will start at 9.00 am and end at 5.00 pm with break in between. The Institute follows 5-day week.

## M. Tech Regulation 2019

### 1. GENERAL

- 1.1 The National Institute of Technology, Agartala, awards the degree of Master of Technology (M. Tech) in Engineering to those who have successfully completed the stipulated Post-graduate Masters Programme.
- 1.2 The Post-graduate Masters Programme with the governing rules and regulations are formulated by the Board of Governors (BOG) of the Institute on recommendation of SENATE. The BOG can modify or change the structure the governing rules and regulations from time to time.

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1.3 A candidate becomes eligible for the award of the M. Tech degree after fulfilling all the academic requirements prescribed by the SENATE of the Institute.

#### 2. CATEGORIES OF M. TECH.STUDENTS

The Institute admits M. Tech students under the following categories:

#### I. REGULAR (FULL-TIME)

These are students who work full-time for their M. Tech Programme. They may receive assistantship from the Institute or any other recognized funding agency or may be self-financed. Since the Provision of part-time M. Tech is not in the Rule, Project Staff should also be full-time.

#### II. SPONSORED (FULL-TIME) STUDENTS

A candidate in this category is sponsored by a recognized organization, mentioned above, for doing M. Tech in the Institute on a full time basis. He/ She should have at least two years of working experience in the respective organization. He/ She will not receive any financial support from the Institute. Sponsorship letter (Form I) should be attached with the application.

#### III. INSTITUTE EMPLOYEES

Institute employees may be sponsored as full time students by the Director on recommendation of the Head of the employee's Department. Form- II must be enclosed at the time of application.

#### IV. QUALITY IMPROVEMENT PROGRAMME (QIP)

This category refers to a student selected under the Quality Improvement Programme (QIP) scheme of the AICTE. The student has to work on full-time basis in the M. Tech Programme as per the rules and regulations of QIP.

#### 3. MINIMUM QUALIFICATIONS

Students for admission to the M. Tech Programme in Engineering Departments must satisfy the following criteria:

- Bachelor's degree in Engineering/Technology or equivalent in an appropriate area or an MCA (for the Department of CSE) with at least 60% marks or equivalent or CGPA of 6.5 on a 10 point scale for General OBC category students and 55% marks or CGPA of 6.0 on a 10 point scale in case of SC/ST category of students, as prescribed by CCMT.
- II. Valid GATE score for Regular (full-time) students for receiving Institute assistantship only.
- III. Departments may propose additional requirements over and above these minimum requirements. Any proposal placed will be discussed in the Board of Post Graduate Studies (BPGS) before placing in the SENATE.

#### 4. ADMISSION PROCEDURE

- 4.1 Admission to the M. Tech. Programme of the Institute will normally be in the month of July every year through centralized counselling process based on the GATE score. For admission, advertisement issued in the month of April/May centrally by CCMT.
- 4.2 B. Tech Students graduating from any one of the IITs/NITs with CGPA of 8.0 or above may be admitted directly without assistantship in their respective disciplines without GATE score. However, they have to follow the formal process of admission which is notified time to time. Non Gate candidates may also apply based on vacancies, if any, left after admission through CCMT, though written / oral tests. For this, formal notice will be issued by the Authority with the approval of Chairman SENATE.
- 4.3 The applicants who have completed or are likely to complete all the examinations including the thesis oral examination, viva etc., of the qualifying degree by the date of admission to the programme may be considered for admission: however, if admitted, they must produce the evidence of their having passed the qualifying degree examination with the specified minimum marks/CPI(as specified in clause 3) within 8 weeks of the beginning of the semester or date specified by NITA, failing which their admission is liable to be cancelled.
- 4.4 Candidate(s) whose selection is (are) approved by the Chairman, SENATE will be admitted to the M. Tech Programme of the Institute after payment of the prescribed fees.
- 4.5 The admission of any student will be treated as cancelled and void, if at any stage it is detected that he/she has obtained admission based on false information or has submitted fake mark sheet/degree, caste/PH certificate, etc., or suppressed some material information of academic nature or otherwise required for his/her admission in the Institute. The SENATE may either appoint a Committee to examine any specific case or review rules regarding admission time-to-time.
- 4.6 DASA Rules to be followed for the admission of student from abroad.

#### 5. FINANCIAL SUPPORT

Students admitted to the M. Tech Programme will be considered for assistantship, fellowship etc. subject to the following norms:

- 5.1 A student must have the valid GATE score at the time of admission.
- 5.2 All students admitted and registered for each semester in any of the M. Tech. Courses of this Regulation shall be entitled to Institute Assistantship, provided that, the first installment of assistantship shall be released only after satisfactory scrutiny of necessary documents supporting the students' eligibility for the assistantship. The students will have to submit all documents as per the notice served for the said purpose. Students receiving assistantship from the Institute or from any other funding agencies will be required to perform academic duties assigned to them by the departments as per rules in force from time to time.

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- 5.3 The continuation of the assistantship/ fellowship will be subject to satisfactory performance of the duties assigned by the department and satisfactory progress in the post-graduate programme.
- 5.4 Financial assistance will normally be for a period of two years from the date of starting of classes or the date of commencement of course whichever is earlier. The monthly value of the assistantship shall be as approved by the Board of Governors from time to time with the prior sanction of the Government of India. No student shall be permitted to enjoy more than one assistantship or remuneration from any other source during the same period.
- 5.5 No financial assistance from the Institute will be available to Sponsored candidates/ Non GATE and Non-CCMT candidates. Project staff admitted, if any, will get funding from projects as per rules but will not get any additional assistance from the Institute.

#### 5.6 Research Operating Grant:

i) The HOD of the Department is empowered to monitor the utilization of the fund exclusively for the following purpose related to the research work of M. Tech students as proposed/recommended by the guide, however, it should not exceed Rs. 10,000/- per annum per student for M. Tech. The approving power remains with the Head of the Institute. The unspent amount cannot be carried over for next year. However, the final approving power remains with the Head of the Institute.

#### ii) The Research Promotion Grand may be utilized:

- a) To procure consumables required for next year.
- b) To procure computer accessories (external hard disc and pen drives only, and as per research requirement) and antivirus software.
- c) Books relevant to research work.
- d) Photocopying, printing and binding charges-only at the time of final thesis submission.
- e) Minor instruments/spares costing below Rs.5,000/- per item related to the research work.
- f) Sample analysis, testing charges, fabrication, labour charges relevant to the research work.
- g) Attending Workshops, Seminars, Conferences, Training, Data Collection, Research Survey etc. Conference Registration fee
- h) For travel within India, train fare up to 2AC may be reimbursed. TA/DA as per Institute rules.

i) Annual membership to professional societies related area of research work.

- iii) All the purchase under the said operating grant should be made through Indent/Purchase order as per Purchase Rules of the Institute.
- iv) All items purchased under the above grant should be entered in the relevant Departmental stock register.

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- 5.7 A student shall be required to abide by all instructions issued by the Institute from time to time concerning award/payment of assistantship. In the event the student is reported to be caught/proved adopting unfair means in the examination, laboratory tests etc., the disciplinary committee will have the option to decide stopping the payment of assistantship and any other contingency amount for such duration, as it may deem fit and approved by the Chairman, SENATE.
- 5.8 A Student may be allowed to work in an Industry only after completion of the 1st year of the course. In those cases, the student has to produce the acceptance copy from Industry and duly approved by Departmental Post Graduate Program Committee. No financial assistance/ MHRD scholarship will be provided to the student from the Institution in case he/she is receiving some assistantship/scholarship from the Industry concerned.

#### 6. LEAVE RULES

- 6.1 An M. Tech student is eligible for 30 days leave in a year, including Casual Leave, Saturdays, Sundays or holidays during the leave period are counted towards leave, except for prefixed or suffixed holidays. He/she will not be entitled to semester breaks, summer and winter vacation.
- 6.2 Medical leave to the maximum of 10 days may be granted to an M. Tech. student over and above 30 days of admissible leave under special circumstances.
- 6.3 An M. Tech. student is eligible for 180 days of maternity (in case of female) or 15 days of paternity leave (in case of male) as applicable, provided they have completed the first two semesters. However, the duration of academic period will be extended to the extent of leave period. The student will not be eligible for any scholarship/ assistantship for the extended period beyond the maximum period of the course (4 Semesters). Such leave will be sanctioned by the Dean Academic if recommended by the Supervisor and forwarded by the HOD. The student has to produce a certificate from Senior Medical Officer/ Medical Officer of the Institute in such cases.
- 6.4 Academic leaves: To attend conferences/ seminars/workshops/trainings/short-term courses, a maximum of 20 days of leave is permissible in an academic year.
- 6.5 In exceptional cases Chairman SENATE may grant extra leave on case to case basis only on prior sanction basis.
- 6.6 Absence without obtaining prior sanction of leave will be considered as an act of indiscipline and shall entail reduction of scholarship on a pro rata basis, besides any other action that may be decided by the Institute.
- 6.7 Any absence over and above the prescribed limit of admissible leave shall entail deduction from the scholarship, besides other actions as may be decided by the Institute.
- 6.8 Head of the Department (HoD)/ Dean Academic sanctions leave (for clause 6.1, 6.2, & 6.4) on recommendation by the Supervisor. In the absence of supervisor, PG Coordinator may recommend.
- 6.9 Semester registration is mandatory for every semester covering the leave period.

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#### 7. COURSE STRUCTURE

7.1 The course structure for a P.G Degree program will typically consist of the following components

a) Core courses	≥28 credits	≥28 credits
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- b) Elective courses  $\geq 12$  credits  $\geq 12$  credits
- c) Major projects = 35 credits (in 3<sup>rd</sup> & 4<sup>th</sup> semesters) = 28 credits
- 7.2 The Departmental Post Graduate Committee (DPPC-Appendix-II) will discuss and recommend the exact credits offered for the programme for the above components ' a' to d' (in the range of 75-83): the semester-wise distribution of° the courses and credits. As well as the syllabi of all postgraduate programmes offered by the department from time to time that shall be finalized by the DPPC before sending the same to the Board of Post Graduate studies (BPGS-Appendix-11). The BPGS will consider the proposals from the departments and make recommendation to the SENATE for consideration and approval.
- 7.3 Teaching for the course shall be reckoned in credits as specified against each subject.
- 7.4 In order to qualify for a post graduate degree of the Institute a student is required to complete all the credits specified in the scheme of instruction for that programme as approved by the SENATE from time to time.
- 7.5 The curriculum for a course shall comprise core subjects, elective subjects, seminars, Laboratory and major project followed by project viva voce. The list of elective subjects may include subjects from allied disciplines also.

#### 8. ACADEMIC CALENDAR

- 8.1 The academic year is divided into two semesters.
- 8.2 The SENATE shall approve the schedule of academic activities for an academic year including the dates for Mid semester and End semester examinations, which shall be referred in academic calendar of the year. Each semester will normally be of 18 weeks, which includes the period for End semester examination also.
- 8.3 Academic calendar declared by the SENATE in the beginning of a semester shall also fix Technical/ Cultural event dates during which all the co-curricular and extra-curricular programmes maybe organized.

#### 9. **RESIDENTIAL REQUIREMENT**

- 9.1 The Institute is essentially a residential one and unless otherwise exempted/ permitted, every student shall he required to reside in and be a boarder of one of the halls of residence and mess to which he/she is assigned.
- 9.2 In certain cases where the student/ project supervisor feels that the M. Tech. project has to be carried within the premier Institutes with which Memorandum of Understanding (MOUs) exists where sufficient expertise/ laboratory facilities are available, they may be allowed to do so on the recommendations of the DPPC followed by subsequent approval of the Chairman SENATE. In all these cases, the external Supervisor may send the monthly attendance as well as the progress report to the Internal Supervisor for availing the monthly Scholarship. The period of such work outside the Institute will be restricted for a

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maximum period of three (03) months during the second year of the course. No such leave will be available in the first year of the course. In genuine/special cases, the period of such work may be extended by another three (03) months by Chairman SENATE.

#### **10. ATTENDANCE**

Attendance in all classes (lectures/tutorials, laboratories, workshops etc.) is compulsory. A student may be debarred from appearing at an examination on grounds of unsatisfactory attendance.

- 10.1 Minimum required attendance in each theory / laboratory course is 75 % for appearing at the mid/end semester examination
- 10.2 Absence without obtaining sanction of leave will be considered as an act of indiscipline and shall entail deduction from scholarship on pro-rata basis

#### **11. REGISTRATION**

- 11.1 Every student of the PG courses is required to be present and register at the commencement of each semester on the day fixed for and notified in the Academic Calendar by paying requisite fees through the MIS account.
- 11.2 The physical registration will be organized departmentally under the supervision of the Head of the Department and PG coordinator.
- 11.3 A student, who does not register on the day announced for the purpose may be permitted, in consideration of any compelling reason, late registration within the next three working days on payment of a prevalent additional late fee as prescribed by the Institute. Normally no late registration shall be permitted after the third working day from the scheduled date.
- 11.4 Only those students will be permitted to register who have (a) Cleared all Institute, library. conveyance and Hostel dues of the previous semesters, (b) Paid all required prescribed fees for the current semester, and (c) Not been debarred from registering for a specified period on disciplinary or any other ground.
- 11.5 The students will choose the subjects for registration in consultation with the Faculty Advisor (Appendix-III). The students may also consult the Head of the Department / Centre and other teachers.
- 11.6 A student of M. Tech. may be allowed to become non-resident on the recommendation of the Faculty Advisor/Project Supervisor and the Head of the Department/ Centre and with the approval of the Dean of Academic Affairs after he/she has completed successfully two semesters of the Master degree course continuously with a CGPA of 6.0 and above without any failure. The withdrawing student shall have to complete the thesis/project work, submit the thesis and appear at the final viva-voce within 5 years of admission. Sponsored students and those who opt to become non-resident in order to join service will either have to produce a letter from their employer stating that they can carry out the thesis/project work at the employing organization or rejoin the Institute to work on the project full time at a later date if the employing organization does not have the facility for execution of the project work. In addition to this, a female student may also be granted maternity leave with full assistantship (if receiving the same) provided she has completed the first year of M. Tech. course.

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- 11.7 A student so permitted may submit his/her dissertation later, provided that in such a case the project work must be completed and the dissertation submitted within 5 years of his/her date of admission, provided further that
  - a) He communicates in writing to the Head of the Department/ Centre by the end of preceding June his/her intention to submit the dissertation,
  - b) Before submission of the dissertation he delivers a seminar talk on a date to be fixed by the Head of the Department/ Centre, clears all outstanding dues, if any, to the Institute or to the Hall of Residence and also pays an additional re-admission fee as prescribed by the Institute,
  - c) The assessment of the dissertation and the conduct of the viva-voce thereon will be arranged by the Head of the Department/ Centre along with those of other regular students of the current semester.

A student withdrawing himself/herself, under the provisions of Para 11.6 above, before the prescribed date for submission of dissertation shall not be allowed to submit his/her dissertation along with other students of his/her batch.

- 11.8 Students who discontinued their studies without prior permission before completing the course work of the First and Second semesters shall be deemed to have abandoned his/her studies and their names will be struck off the rolls of the Institute with effect from the date of absenting from the classes. A student who leaves the Institute without prior permission even after completing the Second semester shall also be treated to have discontinued and will be liable to similar action. Transcript/grade card for any unfinished course/programme of study will not be issued in such cases.
- 11.9 The permanent employees of NITA may be permitted to do the 4-semeter programme in staggered manner and the whole course of studies and protect work within a maximum period of five years counted from the year of admission. Provided that he/she must submit an application in prescribed form in advance for such permission and must not leave the Institute before, it is granted.

He/ She will be required to pay the prescribed tuition fees for retention of his/ her name on the roll.

A student seeking permission under this Para shall be required to follow the procedure laid down in Para 11.6 above.

11.10 A student who has already registered may

- Register for a new subject in addition to the subjects he/she has already registered for;
   (or)
- (b) Opt for a new subject in place of the one already registered for, with the concurrence of the faculty advisor

Any change of the subject as permissible by sub-paras(a) ) and (b), above must however be done within one week of registration and the conditions laid down in Para 7.6 above must be fulfilled.

11.11 If a student fails to register himself/herself for two consecutive semesters during the programme, his/her registration will automatically be cancelled (as approved in 53rd meeting BoG).

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#### **12. ASSESSMENT OF ACADEMIC PERFORMANCE:**

- 12.1 There will be continuous assessment of the performance of students throughout the semester and grades will be awarded by the subject teacher/ DPPC.
- 12.2 Each theory subject in a semester is evaluated for 100 marks, with the following weightages

Sub-component Weight age

Internal	30%
Mid-semester Examination	20%
End-semester Examination	50%

- 12.3 The mid-semester examination will be conducted after 7 or 8 weeks of instruction.
- 12.4 For assigning marks in internal, assignment, class test and quiz. may be conducted.
- 12.5 The mode and nature of the evaluation must be intimated to the students at the beginning of the semester along with the lecture schedule.
- 12.6 Each laboratory course may be evaluated on the basis of Continuous evaluation (Lab report. Viva. Quiz. Lab test. etc.)
- 12.7 The numeric marks obtained in each course will be converted to letter grades.
- 12.8 A Seminar Assessment Committee will be formed by the Head of the Department / Centre for the evaluation of performance of students at Seminars. Every student who registers for 'Seminar' is expected to attend all the seminars for all the students of the batch held in the Department / Centre during the semester. Due weightage will be given to a student's attendance in the overall evaluation of this requirement

#### 13. PROJECT & THESIS AND ITS EVALUATION

- 13. 1 Thesis supervisor(s) for a student will be appointed from amongst the faculty members of the NIT Agartala. Departments will evolve modalities for appointing of supervisors keeping in view the students' aspirations and faculty interest The DPPC will co-ordinate this activity and will formally communicate the appointment of thesis supervisor(s) of a student to the Academic Section No change/addition of Supervisor(s) is allowed after the thesis has been submitted to the academic section. In case there has been a change/addition in the Supervisor(s) the thesis will be submitted not earlier than three months from the date of communication of such change/addition to the academic section. No student once registered for thesis/project units will be allowed to continue the programme without a Thesis Supervisor. No change in thesis supervisor(s) will be allowed without the consent of the DPPC In exceptional cases, with prior approval of the Chairman, SENATE on the recommendation of the DPPC, a student may be allowed to have a co-supervisor from outside the Institute.
- 13.2 Thesis/Project Oral Examination Committee (thesis assessment committee):

The thesis/project will be examined by an oral examination committee consisting of the following members:

- a) Supervisor(s)
- b) One external expert
- c) One expert from another department

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d) One expert from the concerned department.

The oral examination committee shall be coordinated by either Supervisor or in his absence by the departmental programme coordinator. The committee shall be approved by Dean, Academic on recommendation from the Head of the Department. The external expert to be selected by the Director.

13.3 The Convenor, DPPC will submit to the academic section for approval of the Dean (Academic) the names of the thesis/project examiners on the prescribed form, at least two weeks before the submission of the thesis. Unbound typed copies of thesis/project one for each examiner prepared according to the prescribed format available in the academic section will be submitted at least one week before the probable date of the oral examination. The oral examination will be held within two months from the date of submission of the thesis project. If however the student does not make available for the examination his/her programme will be deemed to have been terminated. Request for revival of the programme by such a student should be addressed to the Chairman SENATE

The Department will record the date of submission of the thesis/project and arrange to send the thesis to the examiners. The supervisor/programme co-ordinator will inform the examiners of the date of the oral examination and send a copy of the academic section. The thesis/project will be evaluated and the Oral Examination conducted by the Committee and report will be submitted to the convenor, DPPC. The report will be communicated by the Convenor. DPPC through the Head to the academic section for record and necessary action

On successful completion of the Oral Examination, each student will be required to submit one bound copy of the thesis/project each to the academic section, department, central library and the Thesis Supervisor(s)

13. 4 Acceptance/Rejection of the Thesis/Project

A thesis/project will be considered to have been accepted if all members of the committee recommend its acceptance Otherwise thesis/project will be considered to have been rejected. If a thesis/project is a rejected along with a recommendation by the Committee for resubmission after incorporating and modification/correction suggested by the Committee, oral examination for the re-submitted thesis/project will be conducted by the same Committee unless otherwise approved by the Dean (Academic). If the resubmitted thesis/project is rejected, the matter will be reported to the SENATE far appropriate action Acceptance of thesis/project will be reported to the SENATE for approval.

13.5 Total 35 credits are assigned to the thesis/project work carried out by a student. Out of total credits of thesis/project work, 15 Credits will be evaluated at the end of the III semester and 20 credits will be evaluated at the end of the IV semester as per academic calendar. For the purpose of assessment, the performance of a student in the project work may be divided into the following subcomponents.

a) Assessment by Supervisor (project work)	30 %
b) Assessment by the thesis assessment committee	20 %
of the Department (Seminar)	
c) External examiner	50 %

13.6 External examiner may be from inside or outside the Institution\_

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- 13.7 The project supervisor will periodically review the progress of the student and finally give his assessment of the work done by the student.
- 13.8 The thesis assessment committee (Thesis/project oral examination committee) of the department will be constituted It will assess the performance of the candidate when the candidate presents his/her thesis work in the form of a seminar.
- 13.9 Extension of project work beyond the deadline of submission in very special cases may be granted by the Dean (Academic) on recommendation of the Departmental Post Graduate Program Committee (DPPC) for a maximum period of 3 months. The viva-voce will have to be completed within the extension period. The student shall not be eligible either for award of scholarship during the extension period or any medal / prize. However, if the student had been absent on medical grounds and his/her project had been extended, he / she will be eligible for award of medal or prize.

#### 14. EVALUATION - Grading System:

14.1 As a measure of students' performance. a 7-scale grading system using the following letter grades and corresponding grade points per credit shall be followed:

Letter Grade	Performance	Grade point%
EX	Excellent	10
A	Very good	9
В	Good	8
С	Fair	7
D	Average	6
Р	Pass	5
F	Fail	0

In addition, there shall be four transitional grading symbols which can be used by the examiners to indicate the special position of a student in a subject.

I -for "incomplete assessment".

W-for "withdrawal from the course"

FA-for "insufficient attendance in the course"

X - for "debarred".

14.2 A semester Grade Point Average will be computed for each semester The SGPA will be calculated as follows

$$\mathbf{SGPA} = \frac{\sum_{i=1}^{n} C_i G_i}{\sum_{i=1}^{n} C_i}$$

Where C – Credit for the course.

GP, =the Grade Point obtained for the course and the summation is over all the courses taken in that semester and n is the number of subjects registered for the semester.

14.3 Starting from II semester a Cumulative Grade Point Average (CGPA) will be computed for every year student at the end every semester.

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The CGPA would give the cumulative performance of the student from the first semester upto the end of 11.14: semester to which it refers and calculated as follows.

$$\mathbf{CGPA} = \frac{\sum_{i=1}^{n} *C_{i}S_{i}}{\sum_{i=1}^{n} *C_{i}}$$

Where m = total number of semesters under consideration.

C, = total number of credits registered for during a particular semester

- $S_i = SGPA$  of that semester.
- 14.4 The CGPA, SGPA and the grades obtained in all the subjects in a semester will be communicated to every student at the end of every semester
- 14.5 Both SGPA and CGPA will be rounded off to the second place of decimal and recorded as such. Whenever these grade point averages are to be used for the purpose of determining the merit ranking of a group of students. Only the rounded off values 'will be used.
- 14.6 The minimum SGPA requirement for continuing in the M. Tech. Programme is 6.0. However. M. Tech student securing a CGPA between 5.5 and 6.0 may be allowed to Continue in the following semester on the recommendation of the DPPC (Departmental Postgraduate Programme Committee) and on approval of Chairman of SENATE. Students who secure a SGPA below 6 0 in two consecutive semesters will not be allowed to continue in the postgraduate programme. Students must obtain a minimum SGPA of 6.0 in order to graduate. In the first semester in which the student registers the minimum CGPA (SGPA) requirement can be relaxed to 5.5.
- 14.7 When a student gets the grade 'I' for incomplete assessment for an subject(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated ignoring this (these) subjects After the '1' grade(s) has (have) been convened to appropriate grades, the SGPA and CGPA for the semester will finally be recalculated after taking into account these grades.
- 14.8 When a student gets the 'F' grade in any subject during a semester, the SGPA and the CGPA from that semester onwards will be tentatively calculated, taking only 'zero point' for each such 'F' grade. After the 'F' grade has been substituted by better grades during a subsequent semester, the SGPA and CGPA of all the semesters starting from the earliest semester in which the 'F' grade has been updated will be recomputed and recorded to take this change of grade into account.

#### **15. EXAMINATIONS**

15.1 In keeping with the policy of continuous assessment, in the case of theoretical subjects, there will be mid-semester examination in about the middle of the semester and an end-semester examination at the end of the semester. Normally, there will no mid-semester examination in the practical (i e Laboratory. Workshop etc.). However, the final evolution will be based on continuous assessment in each laboratory/practical classes followed by End-Semester Examination.

Students will be permitted to appear in the examinations of only those subjects for which they have registered themselves in the beginning of a semester.

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The semester examination will carry specified weightage for the purpose of award of grades vide para 12.2 above.

- 15.2 A student will be required to discontinue studies if the SGPA/CGPA computed at the end of any semester falls below 6.0, even after taking into consideration the results of the supplementary examination.
- 15.3 The answer script of the Mid, End term Examinations and any other examinations of a semester will be available for self-inspection by the students. It is mandatory for the teacher concerned to show the answer script to the student before the date of result publication (as approved in 49<sup>th</sup> meeting BoG).
- 15.4 If a student is not satisfied with the result after seeing the answer script(s) from the faculty, he/she may apply for review of marks of the subject on payment of a fee of Rs.500/- (Rupees five hundred only) per subject within 30 days from the date of result publication (as approved in 49<sup>th</sup> meeting BoG).
- 15.5 Students with F grades also have an option to re-register for the subject (s) in which they had failed in the even or odd semester as when they are offered. In such a case they will be entitled to full credit according to performance at the examination.
- 15.6 A student whose performance in any of the parts of the project work has been unsatisfactory may be assigned additional work on the same problem or assigned a new problem. If the student is assigned additional work the student will have to complete the work and appear at the viva-voce as per the academic calendar fixed by the SENATE If the student is assigned a new problem on account of any reason. The student will have to submit the dissertation and complete the viva-voce by December 31 of that calendar year. The student will not be eligible for scholarship during the extended period of his stay but will have to pay project semester fees during the extended period of stay.

#### 16. THE 'INCOMPLETE<sup>'</sup> GRADE 'I' AND INSUFFICIENT GRADE 'FA'

- 16.1 The grade 'I' may be temporarily given to a student who is unable to appear in the endsemester examination because of
  - (a) Illness or accident, which disables the student from appearing in the examination. This must be duly certified by the Institute Medical Officer.
  - (b) A calamity in the family at the time of the examination which, in the opinion of the Head of the Department ' Centre and Dean of Students Affairs required the student to be away from the campus.
- 16.2 If a student is unable to appear at a mid-semester examination for any of the compelling reasons mentioned above, the teacher (s) concerned may use discretion, and take a test with same weightage.
- 16.3 A student who has been awarded grade 'I' in a subject in the end-semester examination shall have the option to either
  - a) Appear at a supplementary examination to be held by the Department by filling in the application in prescribed form together with payment of necessary fees. In the supplementary examination the student will be awarded one grade lower than the actual grade obtained from the performance in the examination. Except in the case of grade 'P' which will remain unchanged (OR)

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b) Re-register for the subject in the subsequent semester in which it is offered. In such case the student is entitled to full credit in accordance with the performance.

No supplementary examination will be held in laboratory subjects. The student has to re-register during a regular semester

16.4 A student who has insufficient attendance shall be awarded grade 'FA'.

#### **17. GRADUATION REQUIREMENTS**

- 17.1 In order to qualify for a P.G. degree of the Institute. A student must
  - (a) Have complete all the credit requirements for the degree. As prescribed by the SENATE. With grade 'P" or a higher grade in each of the subjects etc. for which the student registered in all the semesters.
  - b) Have obtained a CCGPA of 6.00 or more at the end of the semester in which the student completes all the requirements (including the dissertation). For the degree.
  - C) A student who has qualified for the degree will be admitted to it only after the student has cleared all Institute and Hall dues, if any, outstanding against the student, has returned all library books borrowed by the student and also returned instruments, Department / Centre library books etc. in good condition

#### **18. DISCIPLINE**

- 18.1 Students shall conduct themselves within and outside the precincts of the Institute in a manner befitting the students of an institution of national importance
- 18. 2 As per the order of the Hon'ble Supreme Court of India, ragging in any form is banned: acts of ragging will be considered as gross indiscipline and will be severely dealt with
- 18.3 The following acts of omission and/or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures:
  - a) Ragging
  - b) Lack of courtesy and decorum, indecent behavior anywhere within or outside the campus,
  - c) Willful damage or stealthy removal of any property/ belongings of the Institute/Hostel or of fellow students
  - d) Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.
  - e) Mutilation or unauthorized possession of library books.
  - f) Noisy and unseemly behavior, disturbing studies of fellow students.
  - g) Hacking in computer systems (such as entering other person's area without prior permission manipulation and/or damage of computer hardware and software etc.)
  - h) Any other act of gross indiscipline

Commensurate with the gravity of the offence, the punishment may be reprimand, fine, expulsion from the hostel, debarment from an examination. Rustication for a specified period or even outright expulsion from the Institute.

18.4 For an offence committed in (a) a hostel (b) a department or in a classroom and c) elsewhere, the Warden, the Head of the Department and the Dean of Student's Affairs, respectively shall have the authority to reprimand or impose fine.

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All cases involving punishment other than reprimand shall be reported to the Chairman. Students Disciplinary Committee.

- 18. 5 All major acts of indiscipline which may have serious implications on the general body of students. and / or which may warrant a uniform and more formalized nature of investigation, shall be handled by the Students Disciplinary Committee, appointed by the SENATE.
- 18.6 Cases of adoption of unfair means in an examination shall be reported to the Dean of Academic Affairs for taking appropriate action.
- 18.7 In the event of a major punishment, the aggrieved party shall have the right to appeal to Chairman SENATE.

Students are expected to observe norms of good behavior, rules and regulations prescribed and orders issued by the university authorities of the Institute from time to time.

#### **19. TEMPORARY WITHDRAWAL**

- 19.1 A student who has been admitted to M. Tech program may be permitted to withdraw temporarily for a period of one semester or more from the Institute on account of prolonged illness / acute problem in the family provided that
  - a) The student applies to the Institute within 15 days of commencement of the semester or from the date of last attended the classes stating fully the reasons for such withdrawal together with supporting documents and endorsement of the father/guardian.
  - b) The Institute is satisfied that, inclusive of the period of withdrawal, the student is likely to complete all the requirements for the degree within 4 years from the date of admission to the program
  - c) There *are* no outstanding dues or demand from the Institute / Department / Centre / Hall of Residence /Library.
- 19.2 A student who has been granted temporary withdrawal under provisions of clause 19.1 will be required to pay fees/charges (except tuition fee and hostel dues) throughout the entire duration of withdrawal along with current semester registration when the student rejoins the program.
- 19.3 A student shall be granted only one such temporary withdrawal during the program

#### 20. RELAXATION

The SENATE may, under exceptional circumstances, consider any case of a student having a minor deficiency in respect of any of the requirements stated in these regulations and relax the relevant provision of these regulations on the merit of the case The grounds on which such relaxation is granted shall invariably be recorded and cannot be cited as precedence

#### **21. DEBAR OF A STUDENT**

A student may be debarred from attending the end semester examinations/registering from the courses in a semester on grounds of indiscipline/malpractices in the examinations in such cases, he/she is awarded 'X' grade as a transitional grade.

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#### Form I – SPONSORSHIP LETTER

#### (This should be typed on the letter head of the sponsoring organization)

Reference No. Date :

To The Director, National Institute of Technology Agartala Agartala.

Sub: Sponsoring an Employee for M.Tech programme as a full time student

Dear Sir,

I/ We shall relieve him/her of his/her duties in the organization, initially for one year. However, if he/she is unable to complete the required course work or has to carry out the project at NIT Agartala, he/she will be further relieved of his/ her duties in the organization for subsequent year(s) as deemed fit for completion of the M.Tech Programme, subject to the maximum allowable duration of M.Tech regulations of NIT Agartala.

\*\*\*\*\*\*

Signature and Seal of the Sponsoring Authority

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### Appendix I Post-Graduate Courses

#### 1. Approval of New Courses

All Post-graduate courses require the approval of the SENATE (after recommendation from the BPGS (Board of Post Graduate Studies)) before being offered. The course will be proposed by the interested faculty member and submitted to the DPPC for consideration and forwarding to the BPGS.

#### <u> Appendix - II</u>

#### DEPARTMENTAL POST GRADUATE PROGRAMME COMMITTEE (DPPC)

#### **Composition:**

i	Head of the Department (ex-officio) Chai	
ii	All Professors, Associate Professors and 2(two) Assistant Professors having Ph.D degree (to be nominated by the HOD by rotation) and out of which one faculty member shall act as member secretary.	Members
iii	One faculty member of another department (to be nominated by the HOD of the chosen department).	Member
iv	Two M. Tech student members to be elected by the $2^{nd}/3^{rd}/4^{th}$ semester PG students.	Members

**Tenure:** Two years for faculty members and one year for student members. **Functions:** 

(i) To oversee the conduct of all Post Graduate courses of the department.

(ii) To ensure academic standard and excellence of the course offered by the department.

(iii) To discuss and recommend the syllabi of all the Post Graduate courses offered by the department from time to time before sending the same to the Board of Post Graduate Studies (**BPGS**).

(iv) To consider any matter to the post graduate programme of the department.

#### **BOARD OF POST GRADUATE STUDIES (BPGS)**

#### **Composition:**

(i)	Dean of Academic Affairs (ex-officio)	Chairman
(ii)	One member from each department nominated by the HOD and approved by the SENATE	Member
(iii)	DR(Academic) or AR (Academic)	Member Secretary

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#### Tenure: Two years. Functions:

- i) To oversee the conduct of all post graduate courses of the Institute.
- ii) To consider the proposals from the departments and make recommendations to the SENATE for consideration and approval.
- iii) To issue guidelines to various departments on evaluation pattern of the courses to maintain uniformity.
- iv) To consider and recommend the assessment procedure to be adopted by various departments.
- v) To consider and recommend any other matter concerning the post graduate programme of the Institute.

#### FACULTY ADVISOR

The faculty Advisor will be appointed by the Head of the Department and will be assigned a specific number of students of the concerned department that is offering the degree programme. The students will have the same faculty advisor throughout their duration of study.

#### FUNCTION:

- 1. To help the students in planning their courses and activities during study.
- 2. To guide, advice and counsel the students on academic programme.



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### **M.Sc. Programme**

This Institute runs 2-year M.Sc. in Physics, Mathematics & Computing and Chemistry under Physics, Mathematics and Chemistry departments respectively. In these programmes candidates are admitted through centralized counseling (CCMN) conducted by an Institute on year to year basis. Candidates are allotted seats for admission in M.Sc. programme through CCMN on the basis of their JAM score.

Based on the status of admission in these programmes after the completion of admission through CCMN, some seat(s) might remain vacant. In order to ensure full utilizations of the facilities created by the Institute for M.Sc. programme, this Institute invites applications for admission in these programmes against the vacant seats, if any left, after admission through CCMN. It conducts a written test followed by an interview for selection of candidates for admission in M.Sc. programme against the vacant seats, if any left, after admission through centralized counseling. The candidates having 6.5 CGPA on a 10-point scale or 60% marks at B.Sc. Level in the subject for Gen/EWS/OBC category and 6.0 CGPA on a 10-point scale or 55% marks in the subject at B.Sc. Level for SC/ST/PWD category are eligible for admission. For admission in M.Sc. programme 200 point roster of the Govt. of India is followed. The availability of seats for the M.Sc. programme in the various Department is as follows:

SI	Name of the Department	Total
1	Physics	13
2	Chemistry	13
3	Mathematics & Computing	13
	Total seat	39

The fee structure of M.Sc. programme is as follows:

SI No	Particulars	1 <sup>st</sup> sem fee (In Rs)	2 <sup>nd</sup> sem fee (In Rs)	3 <sup>rd</sup> sem fee (In Rs)	4 <sup>th</sup> sem fee (In Rs)
1	Admission Fee	500	00	00	00
2	Tuition	7500	7500	7500	7500
3	Medical fee	1200	00	1200	00
4	Examination Fee	1000	1000	1000	1000
5	Laboratory fee	400	400	400	400
6	Alumni fee	00	00	00	1000
7	ID Card	200	00	00	00
8	Grade Card	500	500	500	500
9	Library fee	500	500	500	500
10	IT System fee	725	725	725	725
11	Sports complex user fee	200	200	200	200
12	Convocation Fee	00	00	00	1500
	TOTAL	12,725	10,825	12,025	13,325

NB. Laboratory fee will be applicable to M.Sc. students of Physics and Chemistry only.

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## **MBA Programme**

This Institute runs 2-year Master of Business Administration (MBA) programme. The Candidates are selected on the basis of score obtained by the candidates in CMAT/ MAT/ GMAT/ CAT and performance of the interview conducted by the Institute. From the year 2019-20 this Institute introduced a system for selection of candidates for admission in MBA programme at the Institute level by conducting a written test together with interview etc. Candidates willing to apply for admission in MBA programme may either opt for selection on the basis of their score in various qualifying examinations given above or score of Institute level test. UR /OBC/ OP-EWS candidates having 60% marks or CGPA/CPI of 6 in 10 point scale in engineering discipline or 55% of marks with a CGPA/CPI of 5.5 in 10 point scale in any other discipline are eligible for applying for admission in MBA programme. A relaxation of 5% marks in the qualifying degree or 0.5 in CGPA/ CPI in 10 point scale is admissible for SC/ST candidates. For admission in MBA programme 200 point roster of the Govt. of India is followed. The availability of seats for MBA programme is 38. Apart from this 6(six) seats are allotted for DASA.

The fee structure of MBA programme is as follows:				(In Rs.)
ITEM	1 <sup>st</sup> SEM	2 <sup>nd</sup> SEM	3 <sup>rd</sup> SEM	4 <sup>th</sup> SEM
Admission Fee	1000	00	00	00
Tuition fee	25000	25000	25000	25000
All other fees <sup>#</sup>	2425	2425	2425	2425
Institute Development fee	5000	00	00	00
Student Activity Fee	1000	1000	1000	1000
Medical Fee	1200	00	1200	00
Caution Money [Refundable]	5000	00	00	00
Alumni Fee	00	00	1000	00
ID Card	200	00	00	00
Grade Card	500	500	500	500
Convocation Fee	00	00	00	1500
Sub Total	41,325	28,925	31,125	30,425

# All Other fees includes Exam fee Rs. 1000/-, Library fee Rs. 500/-, I.T fee Rs. 725/-, Sports Complex User Charge Rs.200/-.

# **MCA** Programme

This Institute runs 3-year Master of Computer Application (MCA) programme. The Candidates are admitted on the basis of allotment of seats by the Institute which is responsible for conduct of NIMCET as well as whole counseling process. The seats are allotted strictly on the basis of performance of the candidate in NIMCET. For admission in MCA programme 200 point roster of the Govt. of India is followed. The availability of seats in MCA programme is 30.

From the academic session 2021-22, admission to MCA programme will be held based on Institute level examination (written or viva or both) for the vacant seats left after the admission through NIMCET.

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SI No	Particulars	1 <sup>st</sup> sem fee (In Rs.)	2 <sup>nd</sup> sem fee (In Rs.)	3 <sup>rd</sup> sem fee (In Rs.)	4 <sup>th</sup> sem fee (In Rs.)	5 <sup>th</sup> sem fee (In Rs.)	6 <sup>th</sup> sem fee (In Rs.)	other sem fee (In Rs.)
1	Admission fee	1000	00	00	00	00	00	00
2	Tuition	35000	35000	35000	35000	35000	35000	35000
3	All other fees <sup>#</sup>	2425	2425	2425	2425	2425	2425	2425
4	Inst. Development fee	5000	00	00	00	00	00	00
5	Student Activity fee	1000	1000	1000	1000	1000	1000	1000
6	Medical	1200	00	1200	00	1200	00	00
7	Caution Money	5000	00	00	00	00	00	00
8	Alumni fee	00	00	00	00	00	1000	00
9	ID card	200	00	00	00	00	00	00
10	Grade Card	500	500	500	500	500	500	500
11	Convocation Fee	00	00	00	00	00	1500	00
	TOTAL	51,325	38,925	40,125	38,925	40,125	41,425	38,925

#### The fee structure of MCA programme is as follows:

# All Other fees includes Exam fee Rs. 1000/-, Library fee Rs. 500/-, I.T fee Rs. 725/-, Sports Complex User Charge Rs.200/-.



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# **Ph.D Programme**

This Institute runs Ph.D programmes in Engineering, Science and Humanities & Social Science. In engineering, Ph.D programme is run in Civil, Mechanical, Electrical, Computer Science & Engineering, Electronics & Communication, Electronics & Instrumentation, Production, Chemical and Bio Engineering Departments. Ph.D programme is also run in Physics, Chemistry and Mathematics Department. The Department of Management, Humanities & Social Sciences also runs a Ph.D programme.

SI		1 <sup>st</sup> sem	2 <sup>nd</sup> sem	3 <sup>rd</sup> sem	4 <sup>th</sup> sem	5 <sup>th</sup> sem	6 <sup>th</sup> sem	other
No	Particulars	fee	fee	fee	fee	fee	fee	sem fee
		(In Rs.)	(In Rs.)					
1	Admission fee	1000	00	00	00	00	00	00
2	Tuition	7500	7500	7500	7500	7500	7500	7500
3	All other fees <sup>#</sup>	2425	2425	2425	2425	2425	2425	2425
4	Student Activity fee	1000	1000	1000	1000	1000	1000	1000
5	Medical	1200	00	1200	00	1200	00	00
6	Caution Money	5000	00	00	00	00	00	00
7	Alumni fee	00	00	00	00	00	1000	00
8	ID card	200	00	00	00	00	00	00
	TOTAL	18,325	10,925	12,125	10,925	12,125	11,925	10,925

The fee structure of Ph.D	programme is as follows:
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# \_\_\_\_\_\_ All Other fees includes Exam fee Rs. 1000/-, Library fee Rs. 500/-, I.T fee Rs. 725/-, Sports Complex User Charge Rs.200/-.

# In addition to above mentioned fees, following fees are also to be paid at the time of submission of provisional Ph.D thesis by the scholar:

- Thesis submission fee Rs.10,000/-
- <u>Convocation fee</u> Rs. 1,500/-
  - Total Rs.11,500/-

(Approved in 45<sup>th</sup> BoG) (Approved in 52<sup>nd</sup> BoG)





# **Ph.D Regulations**

# National Institute of Technology Agartala

# Ph.D Regulations 2018 (Revised upto 35<sup>th</sup> Meeting of SENATE)

# Contents

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#### General

The National Institute of Technology, Agartala (NITA) have been awarding the degree of Doctor of Philosophy (Ph.D.) in Engineering/ Science/ Humanities and Social Sciences/ Management to a candidate who successfully completes the stipulated Program of Research.

The Program of Research and the governing regulations are formulated by the SENATE and duly approved by the Board of Governors of the Institute. The Board can modify or change the structure, the governing regulations etc. from time to time.

A candidate to be awarded Ph.D. degree has to submit a thesis embodying the findings of his/her research work carried out in this program. The thesis should make an original contribution of high quality to the advancement of knowledge as judged by the experts in the relevant area.

A candidate becomes eligible for the award of the Ph.D. degree after fulfilling all the academic requirements prescribed by the SENATE of the Institute.

The award of the Ph.D. degree shall be made upon the recommendation of the SENATE of the Institute and after approval by the Board of Governors of the Institute.

A candidate may pursue Ph.D. in one of the following departments of NITA:

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

The requirements may vary from time to time, as per decision of competent authority.

#### 2 Categories of Ph.D. Scholars

The Institute admits Ph.D. scholars under the following categories:

#### 2.1 Regular (Full-Time with Scholarship) (R) and Regular (Full-Time self-financed) (W)

These are scholars who work full time for their Ph.D. and may receive assistantship from the Institute or fellowship from MHRD (now MoE)/CSIR/UGC or any other recognized funding agency. **GATE score** is a mandatory criterion for this category of scholars for making themselves eligible for receiving scholarship during the tenure of Ph.D. (Amended in 34<sup>th</sup> SENATE)

A candidate who do not possess a GATE score may self-finance, and will not be entitled to any scholarship. Candidates must satisfy other the existing criteria for admission in Ph.D programme. Such scholars will be known as **Regular (Full-Time self-financed) (W)** (Approved in 34<sup>th</sup> meeting of SENATE)

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#### 2.2 Sponsored (Full-Time) Scholars (S)

A candidate in this category is sponsored by a recognized R&D organization, Educational Institute, National Institute, Govt. organization or Industrial organization for doing research in the Institute on a full time basis. He/ She should have at least two years of working experience in the respective field. He/ She will not receive any financial support from the Institute. Sponsorship letter [Form-1(A)] should be attached with the application. and Sponsored Research scholar/candidate nominated by Government of India under a Cultural Exchange Scholarship Program, Foreign scholar or a scholar admitted under an MOU (Full-time).Such candidates will be governed by the regulations of the Regular (full time) candidates.

#### 2.3 Project Staff (P)

This category refers to the candidates who are working on sponsored projects in the Institute and admitted to the Ph.D. program. The duration left for the project at the time of admission should be at least 2 years. Such scholars will not get any financial assistance in the form of stipend or contingency from the Institute during the entire tenure of Ph.D. even if the project period expires. Such scholars after admission will be governed by the regulations of the regular candidates.

#### 2.4 Part-Time Scholars (A)

This category refers to the candidates who can attend classes at the Institute without staying at the Institute premises. The Institute will neither provide any financial assistance towards pursuing Ph.D. nor provide accommodation in any form (hostel or quarter) to such scholars.

In case the candidate is employed in a regular position, a No Objection Certificate from the Head of the Institute/Organization in which he/she is employed [Form-1(B)] must be enclosed at the time of application.

#### 2.5 External Registration (X)

This category refers to candidates employed in R&D/Academic organizations having adequate facilities for carrying out research in the relevant fields. The research work leading to the Ph.D. degree may be carried out largely under the supervision of a permanent employee with a doctorate degree belonging to the organization of the candidate. Such supervisor will be called as Local Supervisor. However, the overall guidance and advice will be provided by a faculty member of the Department in which he/she is registered. Such supervisor will be called as Institute Supervisor. The appointment of the local Supervisor is to be reported to the Chairman SENATE through Dean (Academic) for final approval. Sponsorship certificate from the Head of the organization where the candidate is employed [Form 2] must be enclosed at the time of application. No financial assistance from the Institute will be provided to such scholars. These candidates will be governed by the regulations of the part time candidates.

#### 2.6 Institute Employees (I)

Institute employees (teaching or non-teaching) may be sponsored as part-time scholars by the Director, on recommendation of the Head of the Department of the employee. To be considered under this category the applicant must be a permanent/regular employee of NIT Agartala with a minimum service of 3 years. A No Objection Certificate from the Head of the Institute must be attached at the time of application. The applicant needs to execute a bond with the Institute as per Institute norms/guidelines. These candidates will be governed by the regulations of the part time scholars.

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#### 2.7 QIP Scholars (Q)

These category of scholars have to meet the criteria laid down by QIP and are admitted based on their performance in the interview conducted by NIT Agartala. Scholars admitted in such category should meet the qualification as laid down in rule 3.5.

#### 2.8 Foreign Scholars (F)

Self-Financing foreign nationals including NRIs must produce a valid research visa at the time of seeking admission to the Ph.D. program. If admitted, they will be governed by such regulations and regulations as may be framed by the Government of India and NITA from time to time. These scholars will be governed by the regulations and regulations of the Regular scholars

#### 3 Minimum Qualifications

The list of eligible disciplines in which the minimum educational qualifications have to be obtained as per rule 3.1 to 3.6 provided by each department, which is/ are updated from time to time. Additional and stiffer criteria than the minimum educational qualifications as laid down in rule 3.1 to 3.6 may be set by the Departmental Selection Committee from time to time for short listing candidates to be called for interview and or test. Inter-disciplinary research areas, which may be pursued by the research scholars for the

Ph.D. degree and the corresponding eligible disciplines given by the Departments.

- 3.1 Admission to Ph.D. in Engineering Scholars for admission to Ph.D. Program in Engineering Departments must satisfy one of the following criteria:
- 3.1.1 Master Degree in Engineering/ Technology or equivalent in an appropriate area with a minimum CGPA of 6.5 out of 10 point grading system or equivalent 60% marks. Preference will be given to GATE qualified candidates.
- 3.1.2 Bachelor Degree in Engineering/Technology from a centrally Funded Technical Institute with an excellent academic record and with a CGPA of at least 9.0 or equivalent 85% marks. The candidate must have a valid Gate score tenable for the year of admission and have to carry out the course work as is mentioned in clause no. 11.4
- 3.1.3 Master degree in relevant science discipline with a good academic record and of exceptional merit are eligible for the relevant Engineering discipline with minimum CGPA of 6.5 or more out of 10 or at least 60% marks. Preference will be given to GATE qualified candidates.
- 3.2 Admission to Ph.D. in Science Scholars for admission to Ph.D. Program in Science Departments must satisfy one of the following criteria:
- 3.2.1 Master degree in Sciences with a good academic record with a minimum of 60% marks (or equivalent or 6.5 CGPA in a 10 point grading system) or 55% (6.0 CGPA out of 10) with a GATE score or UGC/CSIR-NET/NBHM tenable for the year of admission. Preference will be given to GATE/NET qualified candidates.
- 3.2.2 Master degree in Engineering/Technology or equivalent is eligible with a good academic record with a minimum CGPA of 6.5 out of 10 point grading system. Preference will be given to GATE qualified candidates.
- 3.2.3 B.Tech/ B.E degree from a centrally funded technical Institute in India with a minimum

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CGPA of 9.0 on a 10.0 point scale or equivalent or 85% with a valid GATE score.

- 3.3 Admission to Ph.D. in HSS
- 3.3.1 Scholars for admission to the Ph.D. program in Management, Humanities & Social Sciences (MHSS) Department must have a Master degree in relevant discipline (as per the advertisement) with a minimum of 60% marks or equivalent or 6.0 CGPA in a 10 point grading system or 55% (5.5 CGPA out of 10) with a UGC/CSIR-NET/NBHM tenable for the year of admission. The relevant discipline of research will include English; Economics; Commerce; Finance; Foreign Trade; Business Management; Geography; Rural Management & Development; Sociology and others as per requirement of the Department, which will be notified from time to time. Preference will be given to NET qualified candidates.
- 3.4 Admission to Ph.D. in Management
- 3.4.1 MBA/P.G. Diploma in Management of 2-year duration with 60% marks (or a CGPA of 6.0 in 10 point scale). Preference will be given to GATE / NET qualified candidates.
- 3.5 Institute Employees/Research scholars under QIP/Research Scholars under External Registration / Research scholars working under part-time category
- 3.5.1 For Research Scholars in the above categories, the minimum educational qualifications are the same as prescribed for full time research Scholars in 3.1, 3.2, 3.3 and 3.4 for admission to the Ph.D. program in the respective categories. However, GATE score or CSIR / UGC JRF or Lectureship / NBHM / JMET / CAT / AIMA or equivalent qualification as applicable for regular full time research scholars may not be required in these cases
- 3.6 Foreign Scholars
- 3.6.1 Foreign nationals can only register as regular full-time scholars. Foreign nationals with degree from Indian Universities will be treated at par with Indian nationals for admission purposes. Foreign nationals with foreign degrees must meet the minimum educational requirements as given in rule 3.1 to 3.4 equivalent to an Indian Master's degree in the relevant disciplines. In addition, they should have a valid GRE/ GMAT /GATE /JMET/ CAT/ XAT/ MAT/ ATMA/ UGC or CSIR/ NET and a score in TOEFL/ IELTS or equivalent examination.

#### 4 Admission Procedure

- 4.1 Admission to the Ph.D. Program of the Institute will normally be in the months of January and July every year. For the admission in the month of January, an advertisement will be issued in the beginning of the month of October and for admission in the month of July, an advertisement will be issued in the month of April in local dailies, National dailies and Institute Website.
- 4.1.1 JRF/SRF appointed under a sponsored project may be allowed to be inducted into a Ph.D. program, in the category of Project Staff, irrespective of an open advertisement, subject to fulfilment of the minimum qualifications as laid down in various sub-clauses of clause 3.
- 4.1.2 Such candidates may apply to Dean Academic for permission to enroll in a Ph.D. program. The application should be forwarded by the principal investigator (PI) of the project to the office of the Dean Academic after informing Dean Research & Consultancy (R&C).

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- 4.1.3 Dean Academic will set up a committee in consultation with Chairman SENATE, which will evaluate the aptitude and knowledge of the candidate(s) to carry out research by conducting a written test and/or interview. If found suitable, the committee will recommend the candidate to take admission. The candidate will take admission at the beginning of a semester so as to be eligible to register the allotted course works
- 4.2 The faculty member interested in supervising Inter-disciplinary Research under the umbrella of a department has to prepare the area of research and eligibility criteria and send to Academic Section by the beginning of October and beginning of April for admission in the month of January and July respectively.
- 4.3 Eligible candidates possessing the minimum educational qualifications and satisfying additional criteria, as set by the departments from time to time, will be called for a test and/or interview by the Academic section of the Institute. Foreign candidates/NRIs (seeking admission in the category as per 2.8) may be allowed to appear in an online test and/or attend the interview through video conferencing from outside India.
- 4.3.1 Admission to all the categories of scholars (2.1 to 2.8) is granted on the basis of the cumulative marks obtained in the interview/admission test and weightage of academic performance. Preference will be given to GATE / NET qualified candidates.
- 4.3.2 The Departmental Selection Committee will recommend to the Chairman, SENATE the list of selected candidates based on the merit and a 200 point of all India reservation rosters. Separate rosters are to be maintained for regular and part-time candidates. Reservation rosters will not be applicable for foreign students.
- 4.3.3 Candidates whose selection is approved by the Chairman, SENATE will be admitted to the Ph.D. program of the Institute after payment of the prescribed fees.
- 4.4 In the case of candidates looking for external registration, the following additional conditions are to be satisfied:
- 4.4.1 The candidates have to be in residence at the Institute for at least one semester or more (depending on the course work allocated by the DC) during his/her Ph.D. program. The candidate will have to produce a No-objection certificate from his/her organization/Institute so that he/she can complete his/her residential requirements at NIT Agartala.
- 4.4.2 The candidate must submit full details of the facilities relevant to the research program available in the organization where he/she is employed, duly certified by the sponsoring authority and approved by the Dean (Academic) or any competent authority approved by the SENATE.
- 4.4.3 The candidate will have to submit a certificate from the sponsoring authority that required facilities will be made available by the organization.
- 4.4.4 In the case of these scholars the Bio-data of the Local Supervisor should be submitted for consideration of Departmental Postgraduate Program Committee (DPPC) and for the approval of the SENATE.
- 4.4.5 When in residence, a scholar has to reside on campus in the designated hostel / house. Exemptions will be granted by the competent authority only in rare cases, if justification provided by the scholar is found proper.

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#### 5 Financial Support

- 5.1 The Regular candidates (eligibility as per clause 2.1) are eligible for a scholarship as per MHRD (now MoE)/ Institute norms.
- 5.2 Scholars with fellowship tenable at the time of admission from CSIR/UGC/NBHM/QIP or any other organization recognized by the Institute will also be permitted.
- 5.3 Scholars receiving assistantship from the Institute or from any other funding agencies will be required to perform 8 hours of academic duties per week or any other duty to be assigned to them by the departments from time to time
- 5.4 Extension of scholarship will be subject to the recommendation of the concerned doctoral committee (DC) and HOD based on the satisfactory performance of the scholar in research and in the assigned Departmental duties. Progress will be evaluated by the DC on the basis of written report and/or presentation.
- 5.5 Scholarship of any category will be stopped once the scholar submits provisional thesis or changes the category from Regular (Full-time with scholarship) to any other or Cancels the admission.
- 5.6 No financial assistance from the Institute will be available to scholars of following category:

Regular (Full-Time self-financed), Part time, Institute Employee, QIP and Foreign Scholars. Project staff will get funding from project as per regulations, but will not get any additional assistance from the Institute even if the project period expires.

#### 6 Leave Regulations

- 6.1 A Ph.D. scholar is eligible for 30 days leave in a year, including Casual Leave, Saturdays, Sundays or holidays during the leave period are counted towards leave, except for prefixed or suffixed holidays. He/she will not be entitled to semester breaks, summer and winter vacation.
- 6.2 Medical leave to the maximum of 10 days may be granted to a Ph. D. Scholar over and above 30 days of admissible leave under special circumstances.
- 6.3 A Ph.D. scholar is eligible for 180 days of maternity (in case of female) or 15 days of paternity leave (in case of male) as applicable only once during the entire period of her/his Ph.D. program. Such leave will be sanctioned by the Dean Academic if recommended by the Supervisor and forwarded by the HoD. The scholar has to produce a certificate from Senior Medical Officer /Medical Officer of the Institute.
- 6.4 Academic leaves: To attend conferences/ seminars/ workshops/ trainings/ short-term courses, a maximum of 20 days of leave is permissible in an academic year.
- 6.5 In exceptional cases Chairman SENATE may grant extra leave on case to case basis only on prior sanction basis.
- 6.6 Absence without obtaining prior sanction of leave will be considered as an act of indiscipline and shall entail reduction of scholarship on a pro rata basis, besides any other action that may be decided by the Institute.
- 6.7 Any absence over and above the prescribed limit of admissible leave shall entail deduction from the scholarship, besides other actions as may be decided by the Institute.

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6.8 Head of the Department (HoD)/ Dean Academic sanctions leave (for clause 6.1, 6.2 & 6.4) on recommendation by the Supervisor. In absence of supervisor any member of DC may recommend.

#### 7 Supervisor(s)/ Joint supervisor(s)

- 7.1 A regular/permanent faculty of NIT Agartala who is a Professor/Associate Professor/ Assistant Professor with a doctoral degree will be recognized as a Supervisor. A supervisor at the entry level should have published 3 SCI/SSCI journals to be eligible to supervise a scholar.
- 7.2 The faculty, of the department where the scholar is admitted, to whom the scholar is initially entrusted to carry out the research activities will be called as a Supervisor (qualifications of the faculty will be as per 7.1).Depending on the need of research a Co-supervisor or a Joint-supervisor (refer to 7.3) may be allowed to supervise along with the existing supervisor. This will be allowed not later than 4 semesters after admission of the scholar. The Co-supervisor will be a faculty, with qualifications as laid down in clause 7.1, from the department where the scholar is admitted or any allied department of NIT Agartala or any Institute of repute. A scholar, at any point of time, may work under the supervision of a maximum of two faculties.
- 7.3 The following categories of persons, who have a Ph.D. degree, are permitted to be associated with the Ph.D. program of a scholar as a Joint Supervisor along with a Supervisor from the department where the scholar is admitted.
  - (i) Faculty members of the Institute, with doctoral degree, nearing superannuation with less than 3 years of service left at the Institute.
  - (ii) Faculty members, with doctoral degree, of the Institute as Emeritus/ Contract/ Adjunct or Scientific-Officer/ Officer.
  - (iii) A faculty of NIT Agartala (refer 7.1) after superannuation, if gets reappointment in NIT Agartala, may act as a Joint-supervisor
  - (iv) Such joint supervisors upon getting regular appointment in NIT Agartala will be considered as co-supervisor as per rule 7.2.
  - (v) A person having very high academic achievement nationally/internationally.
  - (vi) Scientist(s) from industry other than those in the category of Local Supervisor (See 8.3 as below).
- 7.4 In case due to demise/ retirement/or any other reason, a supervisor/co-supervisor/jointsupervisor is unable to supervise a scholar, the DC may choose a replacement from the Department. In case the scholar is being guided by two faculties, the DC may allow the scholar to continue with one only. In case a faculty (supervisor/co-supervisor/jointsupervisor) resigns from NIT Agartala, she/he may be allowed to continue as a jointsupervisor. However, she/ he must be attached to any academic or research institution
- 7.5 In exceptional cases when a faculty, who was a sole supervisor of a scholar, leaves the Institute or is unable to be a guide the scholar as per 7.2 and no suitable faculty is available in the concerned department to supervise the scholar in the area where he/she is working, a scholar may be allowed to choose a supervisor from any allied department of the Institute. The scholar shall be associated with and under the control of the department giving admission, throughout the Ph.D. course. The DPPC chairman of the concerned department has to seek permission from the chairman SENATE, through Dean

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(AA), before such a faculty, from an allied department, can be allowed to guide the student. The permission should be sought with proper justification in favour of the competence of the supervisor from an allied Department, to guide the scholar in topic relevant to the Department of admission of the scholar. The justification should be in terms of Ph.D. thesis guided or research paper published or both. The final decision is subject to the approval of Chairman SENATE. In the course of Ph.D. studies such scholars shall not divert the area of research relevant to the Department of admission.

- 7.6 At any point of time if the sole supervisor of a scholar leaves the Institute after the synopsis seminar, then HOD of the department where the student has registered will take care of all activities during submission of the thesis requesting the sole supervisor to visit the Institute at a convenient date for fulfilment of the submission of the thesis. In such case, HOD may act as an administrative supervisor.
- 7.7 A supervisor for Ph.D. scholars may be appointed from foreign / Indian universities within the time limit approved by the SENATE within 24 months of admission as a Joint Supervisor. For recommendation of the Joint supervisor beyond the time limit Dean Academic may consider such requests on case-to- case basis and approval form chairman SENATE. However, no TA/DA or any other financial benefit will be given to supervisor from foreign university.
- 7.8 A supervisor of NIT Agartala will be entitled for 2 points, when he/she guides a scholar (of any category) solely and will be entitled for 1 point for guiding scholar (of any category) jointly with another co-supervisor or Joint supervisor. The accumulated points for a supervisor at any point of time should not be more than 10 (excluding project scholars).
- 7.9 Rule 7.8 will not be applicable in counting of points if the supervisor is a principal investigator or co-investigator of a project and a scholar working under such project enrolls in Ph.D. under such supervisors under Project category. If the category of such scholar changes to Part time due to any reason the rule 7.8 will be applicable.
- 7.10 One faculty member will not be allowed to guide more than 4 Ph.D scholars with Institute fellowship as supervisor. However, in exceptional case the faculty member can guide more than 4 Ph.D scholars with Institute fellowship provided it is approved by the SENATE.
- 7.11 The external guides / supervisors in guiding the Research Scholar of NIT Agartala to be limited to only faculty members of Centrally Funded Technical Institutes (CFTIs) and persons of eminence especially in conducting research. (Amended as approved in 53<sup>rd</sup> BoG meeting)

#### 8 Appointment of Supervisor(s)

- 8.1 The Departmental Post Graduate Program Committee (DPPC) will appoint Supervisor(s) of Ph.D. scholars after obtaining mutual consent from scholar and supervisor(s).All the desiring supervisors may attend the selection viva to interact with the candidates and know their field of interest The committee may exercise such mechanisms so that the desiring supervisors are allotted one scholar each, with a maximum of 2 scholars during any admission session.
- 8.2 The Supervisor(s) should be identified and appointed at the earliest and within one month from the date of admission.
- 8.3 Scholars in external registration category shall have one Supervisor from the Department (Institute Supervisor) and one from the parent organization (Local Supervisor).

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#### 9 Doctoral Committee (DC)

- 9.1 The Head of the concerned Department (HOD) where the Scholar is enrolled in Ph.D. program will be the Ex-officio Chairman of the DC. If the HOD happens to be the supervisor/co-supervisor of a scholar, of his department, the senior most Professor/ previous HOD will be nominated by the Chairman, SENATE as Chairman of that DC. To monitor the progress of research of the students, there will be a committee called Doctoral Committee (DC).
- 9.2 If the HOD of any Department does not have Ph.D. degree, the Chairman SENATE will decide a suitable Chairman of DC (s) of the Department on case to case basis.
- 9.3 Supervisor(s) as per regulations 7 & 8.
- 9.4 Members: Two faculty members (one from the Department where the scholar is enrolled and the other from allied department).
- 9.4.1 Additional Members (if desired): Staff in the post of Scientific-Officer /Officer from NIT Agartala/ other educational Institution / Industries with a Ph.D. in relevant area may be nominated as member for Ph.D. scholars.
- 9.5 All the DC members from Academia must have Ph.D. degree.
- 9.6 The DC members for Interdisciplinary scholars to be nominated as follows:
- 9.6.1 Chairman same regulations 9.1 & 9.2.
- 9.6.2 Two Supervisor (One from the Department where the scholar is enrolled and other from the allied Department).
- 9.6.3 Two Members (One from the Department where the scholar is enrolled and other from the allied Department).
- 9.6.4 One DC member from the department other than the departments of the supervisors.
- 9.7 The DC will be constituted by the DPPC with subsequent approval of Dean Academic and Chairman SENATE. The DC must be constituted within 1 month from the last date of admission to Ph.D. program. During the period of one month from the date of closing of admission, the DPPC will perform the duties of DC. DPPC chairman will act as DC chairman during this period.
- 9.8 The supervisor(s) may convene the DC meetings as and when necessary in addition to the mandatory meetings, if applicable
- 9.9 If for any reason the DC of a scholar is not constituted within a period of one month from the closing date of admission to Ph.D. program by the department in which the scholar is admitted, the Chairman DPPC of the said department will be held responsible.
- 9.10 All the notices regarding DC meetings will be issued by DPPC Chairman.
- 9.11 Chairman of a particular DC cannot be any other member of that DC. This is implemented from 2021-22 academic session. (Approved in 34<sup>th</sup> meeting of SENATE)

#### 10 Change of Doctoral Committee

10.1 The Chairman SENATE may permit a scholar to change his/her Supervisor(s) for valid reasons on the recommendation of the DPPC through Dean Academic.

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10.2 To change a member of DC other than a supervisor, the DPPC chairman has to approach the Dean Academic for approval after taking consent from the existing DC members.

#### **11** Course Work

- 11.1 The DC will normally meet within 15 days from the date of its formation to interview the scholar and prescribe the course(s) to be completed by the scholar.
- 11.2 This rule is applicable to all categories of scholars to be admitted in NIT Agartala to pursue Ph.D.
- 11.3 For Scholars with M. Tech/M.E./ or equivalent degree, pursuing Ph.D. in Engineering or in Science or in Humanities or Management should take a minimum 12 credits (from the current compulsory/elective courses of the PG programs being offered by the Institute) including a compulsory course of Research Methodology and Research and Publication Ethics. In all the subjects, with credit, the candidate has to obtain at least "C" Grade. Otherwise she/he will have to repeat the same subject(s). If the scholar fails in his/her second attempt to secure the prescribed grade in one subject out of the assigned subjects in the course package, the admission of the candidate will be cancelled and the name will be struck of the rolls.
- 11.4 The GATE qualified fresh B.Tech candidates will have to complete the course works of at least 24 credits in addition to research methodology. Such courses are to be selected from the PG courses being offered by the departments. Also, in all the subjects the candidate has to obtain at least "C" Grade. Otherwise she/he will have to repeat the same subject(s). If the scholar fails, in his/her second attempt, to secure the prescribed grade in a subject out of the assigned subjects the admission of the scholar will be cancelled and the name will be struck off the rolls.
- 11.5 The candidate who has Master Degree in Science but would like to register for Ph.D. in Engineering/Technology Discipline will have to complete at least 24 credits in addition to research methodology. Such courses are to be selected from the PG courses being offered by the departments. Also, in all the subjects the candidate has to obtain at least "C" Grade. Otherwise she/he will have to repeat the same subject(s).If the scholar fails in his/her second attempt to secure the prescribed grade in a subject out of the assigned subjects in the course package, the admission of the scholar will be cancelled and the name will be struck off the rolls
- 11.6 Candidates with M. Phil. Degree will be treated at per rule 11.3
- 11.7 If any course work/ subject is recommended by the DC for a Scholar and the subject is not offered/included by any Post Graduate Department, then the DC may frame syllabus for that particular course/subject and a teacher will be assigned against the course [Henceforth it will be called as independent study (IS)] and the Scholar may be instructed to prepare and study as per the syllabus framed by the committee. Such IS subjects will be not be considered while counting of total credits of course works.
- 11.8 Courses to be undertaken in rule 11.2 to 11.6 will be governed by the PG regulations of NITA as may be framed from time to time. However, if it is found that any coursework recommended by the DC is not offered by NIT Agartala in its PG programme, the scholar may take such course from Massive Open Online Courses (MOOCs) funded by MHRD, Govt. of India.

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- 11.9 UG courses suggested by DC, as a pre-requisite of a PG course or otherwise, may be allowed as additional courses. Such subjects will be considered credit less.
- 11.10 Minimum duration of course works for scholars of all categories with external registration /Part-time is one semester.
- 11.11 Academic section (Exam) will issue certificates to the Ph.D. scholars on successful completion of all the allotted credit based course works.
- 11.12 The **'second attempt'** mentioned in the clause no. 11.3 to 11.5, includes the supplementary examination of any subject in the coursework allotted by the DC. All the Ph.D scholars can apply to the examination section with necessary fees in order to appear in the supplementary examination. PG regulation of NIT Agartala will be followed about awarding of grade in this aspect.

#### **12** Comprehensive Examination

The objective of the Comprehensive Examination is to test the general capability of the research scholar and the breadth of his/her knowledge in his/her discipline and areas related to his/her field of research

- 12.1 To test the overall competence and academic preparation of the scholar in the relevant field and specific area of the research program, a Comprehensive Examination will normally be held after the completion of 2 semesters.
- 12.2 Scholars governed by 2.1, 2.2, 2.3, 2.7 and 2.8 may appear for comprehensive examination after the completion of 2 semesters. All the course work as allotted by the DC to the scholar must be completed before the Comprehensive Examination.
- 12.3 Scholars governed by 2.4, 2.5 and 2.6 may appear for Comprehensive Examination after the completion of 3 semesters. All the course work as allotted by the DC to the scholar must be completed before the Comprehensive Examination.
- 12.4 Generally, the Comprehensive Examination shall be conducted by a Comprehensive Examination Committee, consisting of the Doctoral Committee members of the scholar. The DC may also include other faculty members of the Institute along with the existing DC members of the scholar.
- 12.5 In exceptional cases, due to compelling reasons noted in the file, Dean Academic may allow to bring a change in the existing approved committee of comprehensive examination.
- 12.6 The mode of Comprehensive Examination (oral or written or both) as well as the modus operandi (common to all students in a Department) will be decided by the DC and will be intimated to the students.
- 12.7 A scholar failing in the Comprehensive Examination in the first attempt will be given a second chance to appear for the examination after 1 month but within 6 months from the date of the first Comprehensive Examination. If the scholar fails in the second attempt also his/her admission shall stand cancelled.

#### 13 Registration for Ph.D. Program

13.1 After the successful completion of the Course Work and Comprehensive Examination, the candidate has to submit a plan of work defining the research problem identified and

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course of investigation done and proposed to be pursued. An assessment of the current status of problem area and a justification for the work has to be prepared at this time. The scholar will make an oral presentation of the above proposal at a meeting of the Doctoral Committee for approval. On the recommendation of the DC, the Dean (AA) will issue a memo confirming the registration of the candidate.

- 13.2 Such presentation will be called REGISTRATION SEMINAR.
- 13.3 The topic of the research once decided by the committee will be binding for all, in verbatim, except rewording or cosmetic changes.
- 13.4 In case of change in the area or addition/ deletion of work, than that proposed during registration seminar, the scholar has to appear afresh for a registration seminar.

#### **14 Progress Review**

- 14.1 Every scholar has to submit a written report to the supervisor on the research carried out. The supervisor will convene a DC meeting (Refer to Rule 9.8 & 9.10) to discuss the progress of the scholar. Progress report will be signed by the DC members & sent to the office of the Dean Academic at the beginning of every semester, during semester registration schedule. This is mandatory for scholars of all categories.
- 14.2 The doctoral committee of each scholar of an Academic Department will make assessment of the progress of the scholar in his/her research work during each semester based on his/her written report as per 14.1. After due assessment, the DC will send a report to the Dean Academic in Ph.D Form no. 11.
- 14.3 Continuance of registration and award/continuance of scholarship/Research Assistantship will be based on the recommendation of the Doctoral Committee.
- 14.4 In case of research scholars under external registration or working on a part-time basis, the Doctoral Committee will pay particular attention to the quantum of effort put in by the scholar towards doctoral studies and progress.
- 14.5 Inadequacy of effort/progress can be a reason for cancellation of registration.

#### **15** Semester Registration

- 15.1 Scholars of all categories in the Research Program will have to register each semester in person on the stipulated date till the submission of their provisional thesis.
- 15.2 All the Research Scholars have to pay a semester registration fees and mess fees (if applicable) each semester, during semester registration dates.

#### 16 Change of Category

- 16.1 In case a regular scholar (as per clause 2.1) gets employment in any organization/ institution, she/ he may continue her/ his research work as a part-time scholar provided she/ he submits NOC from the organization/ institution where she/ he is employed. The DC may then recommend the change of category to the Dean Academic.
- 16.1.1 However if the regular scholar, mentioned in 16.1, has submitted his/her synopsis or the DC certifies that the scholar has carried out all the assigned objectives after registration seminar then the scholar may be allowed to remain as Regular scholar. The scholarship of

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such a scholar will be stopped.

- 16.2 If a part-time scholar gets employment or changes organization/ institution, she/ he will have to submit NOC from the organization/ institution where she/ he is employed.
- 16.3 A scholar seeking conversion from a part-time scholar to regular (full time) scholar with scholarship, he/she will have to undergo fresh admission process by applying as a full time scholar against regular Institute notification for admission to Ph.D. course. The final selection is subject to the recommendation of the Interview board and subsequent approval of the authority. However following terms and conditions will be applicable to such scholars.
- 16.3.1 Such conversion should be allowed not later than 2 semesters from admission as a Parttime scholar.
- 16.3.2 The scholar should not be in receipt of any scholarship/salary from any source.
- 16.3.3 A part time scholar shall be permitted to apply for such a conversion only once during the course.
- 16.3.4 The scholar shall retain his/her part-time research scholar status if not considered for the conversion.
- 16.3.5 If selected as a full-time scholar with scholarship, the scholar need not pay any admission fee and shall pay the regular semester fee only for the current semester.
- 16.4 A scholar, whose category changes, will be governed by the Ph.D. regulations of the changed category. This will be in effect from the date, as approved by the Chairman SENATE.
- 16.5 The Doctoral Committee (DC) and the course work already completed, publications by the candidate would be retained and carried to the new category.

#### **17** Cancellation of Registration

The Ph.D. registration of a scholar is liable to be cancelled for any of the following reasons:

- 17.1 Consistent lack of progress in research supported by a report from DC.
- 17.2 Discipline
  - i) The conduct of the scholars within and outside the precincts/ premises of the Institute shall be in a manner befitting to the scholars of an institution of national importance.
  - ii) As per the order of the Hon'ble Supreme Court of India, ragging in any form is banned: acts of ragging will be considered as a gross indiscipline and will be severely dealt with.
  - iii) The following acts of omission and/or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures:
    - a) Lack of courtesy and decorum; indecent behavior anywhere within or outside the campus.
    - b) Willful damage or stealthy removal of any property/ belongings of the Institute/ Hostel or of fellow scholars.
    - c) Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.
    - d) Mutilation or unauthorized possession of library books.

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- e) Noisy and unseemly behavior, disturbing studies of fellow scholars
- f) Hacking in computer systems (such as entering other person's area without prior permission, manipulation and/or damage of computer hardware and software etc.)
- g) Any other act of gross indiscipline.
- iv) Commensurate with the gravity of the offence, the punishment may be reprimand, fine, and expulsion from the hostel, debarment from an examination, rustication for a specified period or even outright expulsion from the Institute.
- v) For an offence committed in (a) a hostel (b) in department or in a classroom and (c) elsewhere, the Warden, the Head of the Department and the Dean of Students Welfare, respectively, shall have the authority to reprimand or impose fine.
- vi) All cases involving punishment other than reprimand shall be reported to the Chairman, disciplinary Committee.
- vii) All major acts of indiscipline, which may have serious implications on the general body of scholars, and/or which may warrant a uniform and more formalized nature of investigation, shall be handled by the Scholars Disciplinary Committee, appointed by the SENATE.
- viii) Cases of adoption of unfair means in an examination shall be reported to the Dean of Academic Affairs for taking appropriate action.
- ix) In the event of a major punishment, the aggrieved party shall have the right to appeal to Chairman, SENATE.
- x) Scholars are expected to observe norms of good behavior, regulations and regulations prescribed and orders issued by the university authorities of the Institute from time to time.
- 17.3 Non-submission of the thesis within the stipulated period.
- 17.4 Non-conformity with the regulations of the program.
- 17.5 Giving false information at the time of application/admission.
- 17.6 If a scholar fails to enroll in two consecutive semesters, his/her registration in the Ph.D. program will be automatically cancelled.
- 17.7 A scholar may temporarily withdraw from his/her Ph.D. Program for a maximum up to 4 (four) semesters. This will require a prior permission of the Dean (Academic) with the concurrence of the DC. The tenure of the maximum duration of the Ph.D. program as mentioned under sub clauses of clause 19 will be inclusive of the withdrawal period.

#### **18** Minimum Duration for submission of Synopsis

The minimum duration of the Ph.D. Program will be as follows:

- 18.1 Ph.D. scholars of the following category Regular (governed by 2.1), Sponsored (full-time), Project Staff, QIP Scholars and Foreign scholars with Post Graduate degree as eligible degree of qualification must register for a minimum of four semesters in order to be eligible for the submission of synopsis of Ph.D. thesis.
- 18.2 Ph.D. scholars of category Regular (full time), and governed by the regulation 11.4 or 11.5 must register for a minimum of 6 semesters in order to be eligible for the submission of synopsis of Ph.D. thesis.

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- 18.3 Ph.D. scholars of category Part-time, External Registration, and Institute Employees must register for a minimum of six semesters in order to be eligible for the submission of synopsis of Ph.D. thesis.
- 18.4 Chairman SENATE on recommendation of Dean Academic and with the concurrence of the DC of a scholar, in special case, may decrease the duration by assigning reasons for such action.

#### 19 Maximum Duration of the Ph.D. Program

- 19.1 The maximum duration of the Ph.D. Program will be 10 semesters for full time (Regular governed by 2.1, Sponsored, QIP, Foreign Scholar and Project Staff) scholars.
- 19.2 The maximum duration of the Ph.D. Program for Scholars of category Part-time, External Registration and Institute Employee this period will be 14 semesters.
- 19.3 Maximum duration for female Ph.D. scholars who avail maternity leave, is 10 semesters + number of days of maternity leave (not exceeding 180 days).
- 19.4 The period for all the categories of Ph. D. scholars may be extended by 2 semesters each time up to a maximum of 4 semesters on recommendation of DC and with the approval of the Chairman SENATE in each case.

#### 20 Synopsis of Thesis

20.1 Prior to the submission of the synopsis the research scholar must publish or get acceptance of paper in at least 3 (three) SCI/SSCI/Web of Science/Scopus indexed publications, out of which two papers must be in SCI/SSCI indexed journals.

AHCI/ SCIE journals will be treated at par with SCI/SSCI indexed journals for the purpose of publication of research papers by the Ph.D scholars. (Amended as approved in 45<sup>th</sup> BoG meeting)

- 20.2 The scholar will make presentation of his/ her thesis work before the DC. The DC, if satisfied, permits the scholar to submit the provisional thesis. As a prerequisite to submit provisional thesis, the scholar will first forward one spiral bound copy of synopsis along with a pdf format of the synopsis in an electronic media to the office of the Dean Academic.
- 20.3 The soft copy of the synopsis will be sent to the examiner selected by the Chairman SENATE or his nominee. If the examiner does not respond, a reminder may be sent to him. In case the examiner fails to respond, the synopsis may be sent to the second examiner.

#### 21 Panel of Examiners

21.1 The DC will forward a panel of 6(six) examiners (3 examiners from within the country and 3 examiners from abroad) through the Chairman DC to the Dean (Academic) in Ph.D form no.- 14 for necessary action and approval of the Chairman, SENATE. In the panel some examiners must be from the Institute of National Importance/ IIT/ IISc/ NIT/ TIFR/C Research Organizations/Universities of repute.

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#### 22 Submission of Provisional Thesis

22.1 Within three months of the submission of the synopsis the scholar shall submit one copy of the provisional thesis in pdf format and three copies of his/her provisional thesis, along with two copies of Clearance certificate (Form 17) for submission of provisional thesis" to the Dean (Academic) through Chairman DC and HOD of the department where scholar is enrolled.

#### 23 Examiners of the Thesis

23.1 The thesis shall be referred by Dean (Academic) to two examiners (from one of the reputed Institution of the country and another one from a reputed Institution of outside the country as mentioned in regulation 21.1) chosen by the Chairman, SENATE or his nominee from the panel of examiners recommended by the DC.

#### 24 Thesis Reports

- 24.1 The examiners are expected to send the reports on the thesis within two months from the date of receipt of the thesis.
- 24.2 If an examiner does not send the report within two months, a reminder will be sent by the Dean Academic. If the report is not received within two months, from the date, the thesis was sent, the Chairman, SENATE will refer the thesis to the next examiner from the approved panel. The previous examiner will be informed accordingly.
- 24.3 If one of the two thesis examiners does not recommend the thesis for the award of the Ph.D. degree, the Chairman, SENATE may refer the thesis to another examiner from the approved panel.
- 24.4 If an examiner suggests resubmission of the thesis, the scholar is allowed to resubmit the thesis after due revision within the time frame to be decided by Dean (Academic) in consultation with Chairman DC on the basis of magnitude of suggested revision.
- 24.5 If both the examiners do not recommend the thesis for the award of Ph.D. degree, the matter may be referred to the SENATE for an appropriate decision.
- 24.6 If both the examiners recommend for award of Ph.D. degree, the DC will consider the reports and recommend for the conduct of Oral Examination.
- 24.7 In all other cases, not covered by the above Regulations the matter will be referred to the Chairman SENATE for consideration.

#### 25 Oral Examination Board (OEB)

25.1 The following is the composition of the Oral Examination Board (OEB):

S N	Members	Role
1	Chairman of the DC	Chairman of OEB
2	One examiner of the thesis within the country, or an expert nominated by the Chairman SENATE, from the panel of examiners approved by the DC	Member
3	Supervisor(s)	One of them Convener other will be member

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- 25.2 In exceptional cases, due to compelling reasons noted in the file, Dean (Academic) may allow to bring a change in the existing approved OEB.
- 25.3 The OEB conducts the defense of the thesis by the candidate ensuring that he/she answers all the written queries of the thesis raised by the examiners satisfactorily. The oral examination will be open to all interested in the field.
- 25.4 If the OEB finds the performance of the scholars unsatisfactory, the scholar will be asked to reappear for another oral examination at a later date (not earlier than a month and not later than six months from the date of the first oral examination).
- 25.5 If the OEB evaluates performance of the Research Scholar as unsatisfactory on the second occasion also, then the matter will be referred to the SENATE for a decision.
- 25.6 The OEB may also recommend revisions to be made in the final version of the thesis after taking into consideration the suggestions of the examiners who evaluated the thesis and the discussion at the oral examination. The Chairman of the OEB shall forward the report to the Dean (Academic) certifying that the recommended revisions by the OEB, if any, have been incorporated in all copies of the final thesis.
- 25.7 In all cases, OEB shall send the report to the Dean (Academic) regarding the performance of the candidate.

#### 26 Award of Ph.D. Degree

26.1 If the performance of the research scholar in the Oral Examination is satisfactory, he/she will be awarded Ph.D. degree on the recommendation of the SENATE and with the approval of the Board of Governors of the Institute.

#### 27 Power to Modify

27.1 Notwithstanding all that has been stated above, the SENATE/BOG has the right to modify any of the above regulations from time to time.

#### 28 Ph.D. Forms

The different forms to be filled up and submitted by the scholar/ DPPC Chairman/ DC during the course of the Ph.D. program is detailed below. The documentation in the different forms related to DPPC/ DC/ Scholars should be supported by appropriate notice/ minute of meeting etc. as applicable. Chairman SENATE may permit Dean (Academic) to change (Add/Delete/Alter) any/all of the Ph.D. forms if there be a need to do so.

		Sponsorship	letter	from	the	Head	of	the
		Institution/Or	ganizatic	on/Indus <sup>-</sup>	try	sponso	ring	а
1	Form NITA/ACAD/Ph.D./1(A)	candidate fo	r Ph.D.	program	n. Thi	s form	is to	b be
		attached by t	he appr	opriate a	applica	nt alon	g with	n the
		application fo	rm for ac	Imission	to the	course		

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2	Form NITA/ACAD/Ph.D./1(B)	No Objection Certificate from the Head of the Institution/ Organization/ Industry for Part time scholars (Including Institute Staffs). This form is to be attached by the appropriate applicant along with the application form for admission to the course.
3	Form NITA/ACAD/Ph.D./2	Sponsorship Certificate from the Head of the Institution/ Organization/ Industry sponsoring an employee for external registration. This form is to be attached by the appropriate applicant along with the application form for admission to the course.
4	Form NITA/ACAD/Ph.D./3	Semester Registration form to be submitted by the candidate at the beginning of all semester till the submission of their thesis within stipulated dates.
5	Form NITA/ACAD/Ph.D./4	Undertaking to be executed by the Ph.D. Scholars during admission at the academic section.
6	Form NITA/ACAD/Ph.D./5	Formation of Doctoral committee.
7	Form NITA/ACAD/Ph.D./6	Enrolment for Ph.D. Degree. This form is issued after the formation of DC, finalization of course work for the candidate.
8	Form NITA/ACAD/Ph.D./6(A)	Change in Doctoral Committee other than supervisor.
9	Form NITA/ACAD/Ph.D./7	Formation of comprehensive examination committee.
10	Form NITA/ACAD/Ph.D./7(A)	Change of Examiner(s) in Comprehensive Examination Committee.
11	Form NITA/ACAD/Ph.D./8	Comprehensive Examination Report of a Ph.D. scholar to be submitted by the Comprehensive Examination Committee.
12	Form NITA/ACAD/Ph.D./9	Registration Seminar report to be submitted by DC.
13	Form NITA/ACAD/Ph.D./10	Registration Memo confirming the registration of the Research Problem of the scholar to be issued from the Office of Dean Academic.
14	Form NITA/ACAD/Ph.D./11	Assessment of academic progress of scholar to be submitted by the DC at the end of every semester till the thesis is submitted.
15	Form NITA/ACAD/Ph.D./12	Change/ Addition/ Deletion of Supervisor.
16	Form NITA/ACAD/Ph.D./12(A)	Change of category of enrolment of the scholar.
17	Form NITA/ACAD/Ph.D./13	Synopsis seminar report of a Ph.D. scholar.
18	Form NITA/ACAD/Ph.D./13A	Report on publications of the Ph. D. Scholar.
19	Form NITA/ACAD/Ph.D./14	Appointment of Examiners for submission of synopsis of thesis.
20	Form NITA /ACAD/Dh D /14/A)	Recommendation of Examiners on Ph.D. Thesis.
20	Form NITA/ACAD/Ph.D./14(A)	
20 21	Form NITA/ACAD/Ph.D./14(A) Form NITA/ACAD/Ph.D./14(B)	Provisional Thesis receipt and Delivery record.
		Provisional Thesis receipt and Delivery record. Certificate for submission of Ph.D. thesis.
21	Form NITA/ACAD/Ph.D./14(B)	
21 22	Form NITA/ACAD/Ph.D./14(B) Form NITA/ACAD/Ph.D./14(C)	Certificate for submission of Ph.D. thesis.
21 22 23	Form NITA/ACAD/Ph.D./14(B) Form NITA/ACAD/Ph.D./14(C) Form NITA/ACAD/Ph.D./14(D)	Certificate for submission of Ph.D. thesis. Declaration on modified thesis

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27	Form NITA/ACAD/Ph.D./17	Clearance certificate.			
28	Form NITA/ACAD/Ph.D./18	Declaration related to Handling and Archiving of Thesis			
20	FORTH NITA/ACAD/PILD./18	and Dissertations.			
29	Form NITA/ACAD/Ph.D./19	Application for withdrawal.			
30	Form NITA/ACAD/Ph.D./20	Advance towards TA, DA and Honorarium for Indian			
50		Examiner Coming for Ph.D. Oral Examination.			
31	Form NITA/ACAD/Ph.D./21	Remuneration bill of Indian examiner for Ph.D. Oral			
51	FORM NITA/ACAD/PII.D./21	Examination.			

# 29 Sequence of Events in the Ph.D. Curriculum

Ste ps	Event		Activities in the event	Responsibili ty	Rule associate d with the event	Related Ph.D. Form	Time	
1	Admission of Ph.D. candidates		Fill up an undertaking form	Academic section & MIS		Form 4	During Admission	
2	Bulk semester registration of admitted candidates			MIS			Immediately after the admission ends	
3	Formation of Doctoral	1	Take Approval of DC in note sheet from Chairman SENATE	DPPC	Rule 9	Form 5	One month from the date of	
	Committee (DC)	2	Create the DC online	chairman	Nuic 5	Γυπή 5	closing of admission	
4	Coursework allotment for the scholars		Allot course online in various semesters	Supervisor	Rule 11	Form 6	The DC should interview the scholar within 15 days after formation of DC	
	Semester Registration	1	Student to use MIS login ID and select the courses allotted for the semester if any.		Rule 15	Form 3	Immediately after step 4	
5		2	Semester registration is to be carried out every semester by the scholar till submission of provisional thesis/cancellation of course/ Exceeded Maximum duration	Student	Rule 19		During scheduled dates	
6	Progress Report		A Progress report every semester during semester registration for all categories of scholar	Supervisor	Rule 14	Form 11	During the semester registration schedule	
7	Comprehensive Examination	1	Create comprehensive exam committee online and take approval of the committee from Dean Acad	Supervisor	Rule 12	Form 7	After 18 months for regular scholars and 24 months for part time scholars	
		2	Report of comprehensive viva	Supervisor		Form 8	After compre- hensive viva	

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Ste ps	Event		Activities in the event	Responsibili ty	Rule associate d with the event	Related Ph.D. Form	Time
	Registration	1	Print Registration report online	Supervisor		Form 9	After
8	Seminar	2	Print Registration Memo online	Supervisor	Rule 13	Form 10	Registration Seminar
9	Synopsis Seminar	1	Print Synopsis report online	Supervisor	Rule 18, 19 & 20	Form 13	After Synopsis Seminar
		1	Supervisor gives the declaration after completion of synopsis by printing the form online	Supervisor	Rule 22.1	Form 14C	
	Submission of	2	Supervisor fills up the form for Recommendation of Thesis Examiners offline.	Supervisor	Rule 21.1	Form 14	
10	Provisional Ph.D. thesis	3	A form to seek clearance for submitting Provisional Thesis	Student prints the form online	Rule 22.1	Form 17	
		4	Scholar submits the provisional thesis along with Clearance Form and signature in Provisional Thesis submission receipt	Student prints the form online		From 14B	
11	Modified thesis as recommended by the examiner(s)	1	Scholar submits the modified thesis as per comments and recommendations by the examiner(s). Declaration to be submitted by the DC	Scholar, Supervisor and DC		Form 14(D)	After receipt of comments/ recommendatio ns from thesis examiner(s)
	Open defense viva	1	Formation of open defense committee	Supervisor prints the form online		Form 15	After the receipt of thesis report and correction of the same
12		· /	Oral examination report	Supervisor prints the form online	Rule 25	Form 16	Supervisor prints the Form online without the recommendation
			3 Fi	Fill up the Form 16	All the members of open defense committee		Form 16
13	Submission of Final thesis	1	Declaration to be given by the author of the thesis.	Student prints the form online		Form 18	After all necessary corrections are incorporated as suggested by oral exami-nation committee.

# 30 Exceptions in the Ph.D. Curriculum

S. No.	Event		Activities in the event	Responsibi lity	Rule associated with the event	Related Ph.D. Form	Time
1	Change of Doctoral Committee (DC)	1	Propose change of any member of DC other than supervisor	DPPC chairman	Rule 10	Form 6A	After DC agrees for the change

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		2	Propose change/ addition/ deletion of any supervisor			Form 12	
			in the DC				
	Change of		Propose change of any				After DC
2	Comprehensive		member of Comprehensive	Supervisor	Rule 12.5	Form 7A	agrees for
	exam committee		Exam Committee				the change
	Change of Open		Propose change of any			Form	After DC
3	defense exam	1	member of Open defense	Supervisor	Rule 25.2	Form	agrees for
	committee		Committee	-		15A	the change
4	Change of Catagory	1	The scholar generates	Scholar	Rule 16	Form	
4	Change of Category	1	the form online	SCHOIAL	Rule 16	12A	
5	Withdrawal	3	The scholar generates	Scholar	Rule 17.7	Form 19	
Э	withurawdl	5	the form online	SCHOIG	Rule 17.7	FUIII 19	

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