

Prospectus 2021

NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR

NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR
(An Institute of National Importance under MoE, Govt. of India)
Lamphel/Langol, Imphal, Manipur-795004
Phone No : 03852413205
Website : www.nitmanipur.ac.in

Vision:

The Institute aims to provide the best infrastructure and amenities to the students. The institute envisions being one of the best technical institutes in South-East Asia. The Institute aims to attract students from the neighbouring South-East Asian countries in view of the Look–East Policy of the Government of India. The Institute strongly believes that the success of an Institute lies in the faculty and will leave no stone unturned to attract the best faculty available in the country.

Mission:

- The Institute having accorded the status of “An Institute of National Importance” in 2012 aspires to be a knowledge hub for the region. The Institute through its academic and research activities would act as incubation centre for aspiring “technopreneurs”. The Institute provides an ideal platform for national integration through emotional integration as half the students are from outside the state. It envisions being an institute producing human resource of world class standard who will contribute significantly in the well being of mankind.

Objective:

- To nurture and develop talented young minds, encouraging creativity with academic excellence
- To provide a platform to young entrepreneurs and technocrats to experiment their dreams and aspirations.
- To encourage faculty and students to conduct research of international standard.
- To produce students fulfilling the employability criteria of MNCs.
- To set up Laboratories with latest equipments and other facilities.
- To set up international standard infrastructure for extracurricular activities.

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1.1 INTRODUCTION

National Institute of Technology Manipur, a centrally funded institution was set up to impart quality technical education at various levels of higher learning. It is one of the ten newly set up NITs by the Ministry of Human Resource Development, Govt. of India vide its order no. F.23-13-2009-TS-III dated 30th October 2009 and 3rd March 2010. It has been established to cater to the needs of thousands of students from the North East and outside in the field of Technical Education. With tremendous support from the State Govt. of Manipur, NIT Manipur started its first session on 1st August, 2010.

The Institute was first established under the Manipur Societies Registration Act, 1989. (Regd.No.425/M/SR/2010). Later, NIT Manipur was declared as a full-fledged NIT along with nine other new NITs, through an Act of Parliament and notified under Govt. of India Gazette notification No. 28 Of 2012 dated 7th June 2012 and declared as an Institute of National Importance.

1.2 PROFILE OF THE INSTITUTE

NIT Manipur initially started its first session with three branches of Engineering - Electrical & Electronics Engineering, Electronics & Communication Engineering and Computer Science & Engineering. It is presently functioning in both its temporary Campus, Takyelpat and permanent campus, Langol, Imphal. The Institute has an area of 341 acres of land in the lush green areas of Langol, Imphal.

The Institute is administered by the Director of the Institute under the direct supervision of the Board of Governors (BOG) headed by its Chairman. The policy for academic activity is made through the Senate with prior approval of the Board of Governors and implemented through Dean (Academic). The Planning and Development of the institute is implemented through Dean (P & D) whereas the Students Affairs is looked after by the Dean (Student Welfare). Registrar is the custodian of all the records of the institution and all administrative orders are issued through the Registrar, where he will also be responsible to the Director for proper implementation of the policy matter of the institute. A Master Plan has already been prepared for total infrastructural development of the institute so that the institute may have the facilities of international standard. Different developmental programmes have been undertaken for establishment of well equipped laboratories and library, augmentation of computer facilities.

NIT Manipur is an autonomous Institute of National importance. At present, NIT Manipur has all the five core Engineering departments viz. Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering, and Mechanical Engineering. There is an intake of 180 students per year for B. Tech programme, out of which 50% seats are reserved for the students with state of eligibility as Manipur and the rest 50% seats are for the students of other states of India. For admission to this Institute, students have to qualify JEE (Main).

NIT Manipur has gone Global under the scheme of Direct Admission of Students Abroad (DASA) from 2013.

1.3 LOCATION

Imphal is the capital of Manipur, located between 24°49'N & 24°82'N latitude and 93°57'E & 93°95'E longitude. It is the centre of all cultural, commercial and political activities of the state. Situated at an average altitude of 786 m above the sea level, Imphal has moderate temperature. Summer is from April to June, monsoon from July to September, post monsoon from October to November and winter from December to March. Summer has a temperature range of 17°C to 30°C and winter minimum can touch down to freezing sub zero temperature.

Imphal is well connected with daily flights to Guwahati, Kolkata, Bangalore, Delhi and other destinations in and outside NE Regions. Three National Highways, viz., NH 2, NH 37 and NH 150 connect Imphal with other states of India. NH 2 links Imphal with railhead at Dimapur in Nagaland, 215 km. to the north. NH 37 links Imphal with railhead at Jiribam, 225 km. in the South-West. With the coming of Jiribam to Tupul railway line, which is in progress, Imphal will be much closer to the rest of India.

1.4 NAME OF THE VARIOUS DEPARTMENTS

At present, NIT Manipur has the following departments:

Sl.	Name of the Department	Course Offered
1	Department of Civil Engineering	B. Tech, M. Tech & Ph.D
2	Department of Computer Science and Engineering	B. Tech, M. Tech & Ph.D
3	Department of Electronics and Communication Engineering	B. Tech, M. Tech & Ph.D
4	Department of Electrical Engineering	B. Tech, M. Tech & Ph.D
5	Department of Mechanical Engineering	B. Tech, M. Tech & Ph.D
6	Department of Mathematics	M. Sc & Ph.D
7	Department of Physics	M. Sc & Ph.D
8	Department of Chemistry	M. Sc & Ph.D
9	Department of Humanities and Social Sciences	Ph. D

1.5 ACADEMIC FACILITIES

The Institute has all the basic infrastructural facilities for Undergraduate, Post Graduate and Ph.D programmes. It has got adequate number of well qualified and experienced faculty members and technical supporting staff. Apart from this, the Institute has the following facilities:-

- Centralized Library
- Computer Laboratories
- HP - Centre of Excellence with HP India
- Collaborative and Innovative Centre with Tata Technologies
- Centre of Excellence in Reconfigurable Computing and Embedded System with Powai Labs
- Workshops
- Upgraded Laboratories with the latest equipments
- Campus Internet (Local Area Network & WiFi) under NME-ICT and NKN @ 100 Mbps to 1 Gbps.

1.6 OTHER CAMPUS FACILITIES

1.6.1 HOSTELS

The Institute has both Boys and Girls hostel facilities. Presently there are two Boys hostels and two Girls hostel. In coming years, more hostels will be available in the campus itself for which a master plan has already been prepared.

1.6.2 CANTEEN

Canteens near the Boys' hostel-1 and Boys' hostel-2 at Langol campus are catering to the needs of the students, faculty and staff. It serves both snacks and meals at reasonable price.

1.6.3 MEDICAL CARE

Shija Hospitals and Research Institute is located within a stone's throw away from the institute for rendering medical care to the students, staff and other inmates in the campus. Patients are also referred to Regional Institute of Medical Sciences (RIMS), Imphal and Jawaharlal Nehru Institute of Medical Sciences, Imphal, which are not very far away from the campus.

1.6.4 BANKING AND POST OFFICE

ATM facilities of State Bank of India and Punjab National Bank at the Institute's temporary campus, Takyel and State Bank of India and ICICI Bank at permanent campus,

Langol are operating round the clock. Bank of Baroda branch is fully functional at the permanent campus, Langol.

1.6.5 COMMUNICATION

The Institute has office bus services from temporary campus to permanent campus during working hours. Adequate number of private buses, Auto-Rickshaws and private vehicles are plying in and around the campuses.

1.6.6 EXTRA CURRICULAR ACTIVITIES

The students actively participate in all co-curricular activities like Cultural cum Technical fest (**OUGRI**), Technical Fest, games and sports, debate, essay competition, drama competition, NCC, NSS programmes etc. sponsored by the State Government, Central Government, other statutory bodies and the Institute authority.

1.6.7 LIBRARY

The institute library has the following facilities:-

- i) Lending section
- ii) Reading room for students
- iii) Reading room for faculty
- iv) Back-volume section
- v) Reference section
- vi) Stock room containing more than 23,000 books
- vii) Internet facilities through LAN
- viii) E-Journals and e-books
- ix) Periodical Section
- x) Processing Section
- xi) Library Automation section

1.6.8 TRAINING AND PLACEMENT

The Institute has a training and placement cell under Training and Placement Officer with supporting staff for organizing on-campus recruitment process, Industrial training of the students, study tour etc. Industrial training after the end of 6th Semester examination is compulsory for all undergraduate students of all disciplines. The training and placement cell arranges campus interview for pre-final and final-year students. Students have been placed in Microsoft, L & T ECC, L& T Infotech, Accenture, Hewlett & Packard, Infosys,

Philips, Virtusa, Tech Mahindra, Magnetti Marelli, IBM, CGI, Capgemini, Sapien Nitro, Johnson Control, Cummins, SAP, Rechner, Fluor Daniel, Cavisson System, Nokia Networks, Nomura Research Institute Financial Technologies India Pvt. Ltd., WIPRO, BPCL, TCS, MU-SIGMA, KEC International, Carbon Software Solution & AAA, HCL TSS, Huwaei, MPHASIS, Black Fig, Toppr.com, VDoIT, Crompton Greaves, Zolacode, DENSO and Power Grid Corporation of India Ltd. Students are encouraged to participate in seminars, workshops and other academic competitions by the Training and Placement Cell.

Industrial Training in the form of Internships have been organized during the summer and winter vacation periods for the respective B/Tech students in NHPC, North-Eastern Frontier Railways/Indian Railways, NEEPCO, P.W.D, Water Resources Department, PHED – Government of Manipur, as well as other states, etc

1.6.9 STIPEND

Stipend and Scholarships are facilitated to the students at B. Tech level of this institute based on the guidelines of State Government and Central Government subject to the fulfillment of academic and other criteria. The important web links for scholarships are given below.

TABLE-1.1: DETAILS OF STIPEND / SCHOLARSHIP:

Sl. No.	Important Web Links
1	www.scholarships.gov.in (National scholarships portal)
2	http://www.minorityaffairs.gov.in or www.momascholarship.gov.in
3	http://www.scholarshipsinindia.com/indianoil1.html [IOCL Scholarships]
4	http://www.scholarshipsinindia.com/ongc.html [ONGC Scholarship to SC/ST Students]
5	www.scholarships.gov.in (Meritorious SC Students are awarded scholarships under Central Sector Scholarship of Top Class Education for SC students by the Ministry of Social Justice and Empowerment, Govt. of India)
6	www.scholarships.gov.in (Central Sector Scholarship of Top Class Education for ST students by the Ministry of Tribal Affairs, Govt. of India)
7	http://www.ugc.ac.in/ner/default.aspx (Ishan Uday scholarship for Students with domicile of NER who have passed Class XII or equivalent exam from a school situated within 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
8	http://www.inspire-dst.gov.in

2. INTAKE CAPACITY AND ADMISSION REQUIREMENTS

2.1. INTAKE CAPACITY

National Institute of Technology Manipur offers 4 year Undergraduate B. Tech degree, 2 year M.Tech degree and 2 year M.Sc degree programmes in the following disciplines showing intake capacity:

TABLE 2.1: INTAKE CAPACITY OF STUDENTS

Sl. No	Course	Intake Capacity (B.Tech)	Intake Capacity (M.Tech)	Intake Capacity (M.Sc)
1	Department of Computer Science and Engineering	74	15	—
2	Department of Electronics and Communication	38	15	—
3	Department of Electrical Engineering	38	15	—
4	Department of Civil Engineering	38	15	—
5	Department of Mechanical Engineering	38	15	—
6	Department of Mathematics	—	—	15
7	Department of Physics	—	—	15
8	Department of Chemistry	—	—	15
Total		226	75	45

2.2. RESERVATION OF SEATS

Out of the total 226 seats of B. Tech admission per year, 50% seats are reserved for the candidates of Manipur and 50% for the rest of the states of India. NIT Manipur follows the reservation policy of Govt. of India where 15% seats are reserved for Scheduled Caste, 7.5% for Scheduled Tribe and 27% for OBC candidates apart from reservation for Persons with Disabilities (PWD) for the rest of the states of India. Under Manipur State quota of 50% of seats, which is home state quota, NIT Manipur follows the State Reservation Policy for admission to B.Tech programmes under home state quota. For M.Tech. M.Sc and PhDs where admission is open and under all India competitive examination, the Central Government Reservation Policy will follow. A limited number of seats for admission are offered to foreign nationals and Indians living abroad in accordance with the rules applicable for such admission issued from time to time by

Ministry of Education, Govt. of India under the Direct Admission of Students Abroad (DASA) scheme.

2.3. PROCEDURE OF ADMISSION

The candidates from Manipur and other states of India are admitted to NIT Manipur on submission of seat allotment letter from the Central Seat Allocation Board (CSAB). The selection of students is based on Joint Entrance Examination JEE (Main) strictly on merit basis.

2.4. ELIGIBILITY CONDITIONS FOR ADMISSION

2.4.1 ACADEMIC ELIGIBILITY CRITERIA

The academic eligibility criteria for admission in NIT Manipur are same as Joint Entrance Examination JEE (Main) 2021 Information Brochure.

3. APPLICATION PROCEDURE

3.1. REPORTING AT INSTITUTE

The candidates admitted through JoSAA/CSAB will do online reporting at Institute at present.

3.2 BRANCHES WITHIN THE ALLOTTED INSTITUTE

Branch in the institute will be same as allotted by the JoSAA/CSAB.

3.3 MIGRATION CERTIFICATE

Candidates who have passed Higher Secondary (10+2 Stage) Examination from any Board/Institution will have to produce and submit “**Migration Certificate in original**” from that Board/Institution at the time of admission. In case, the candidate fails to produce the Migration Certificate at the time of admission, he/she has to produce it within a stipulated period as decided by the Admission-In-Charge otherwise his/her semester registration will stand cancelled.

3.4. MEDICAL EXAMINATION

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

3.5. REGISTRATION

The candidates selected for admission will have to apply for registration with NIT Manipur in the prescribed form obtained from the Institute with the deposit of registration fee.

3.6. DOCUMENTS TO BE DEPOSITED AT THE TIME OF ADMISSION

A candidate selected for admission will have to submit the following original documents along with one copies of attested photocopy of the original documents.

Originals for Verification:

- i. Admit Card of JEE (Main)-2021.
- ii. Score Card of JEE (Main)-2021 issued by CBSE.
- iii. Allotment Letter issued by CSAB.
- iv. Age proof certificate.
- v. Pass Certificate and Marks sheet of qualifying examination.
- vi. Certificate of category (SC/ST/ OBC-NCL/EWS), if applicable, issued by the competent authority. OBC-NCL/EWS certificate should have been issued after 01 Apr 2021.
- vii. Character Certificate from Head of the Institute last attended.
- viii. Certificate for Persons with Disabilities (PWD).
- ix. Migration Certificate in original.
- x. Study Discontinuation Certificate, if any.
(The Study discontinuation certificate should be obtained from competent authority, either from the Head of the Institution where the candidate was pursuing studies or Officer in-charge of nearest Police Station where the candidate resides.)
- xi. 6 (six) passport size photographs (duly attested on the back side) identical to the one pasted on the JEE (Main) - 2021 application form.
- xii. Passport, if the candidate has passed the qualifying examination from outside India; this is required for determining the 'State from which he/she is eligible'.

Note: If the original certificates are not in Hindi / English, duly certified Hindi / English version / translation of such certificates will be required.

If the personal data viz. category, subcategory, state of eligibility and gender submitted by the candidates at the time of registration are found to be wrong at the time of verification of the original certificates at Reporting Centre, the allotment of seats are liable to be cancelled.

3.7 CHANGE OF BRANCH

Normally, no change of branch is allowed after a candidate is admitted in the institute. However, Change of branch is allowed strictly on the basis of merit if vacancy arises after completion of 2nd Semester as per rules given in section 6.6.1 to 6.6.9.

3.8. FINANCIAL REQUIREMENTS

Candidates have to pay the institution fees as per the rates for admission to B. Tech programmes in NIT Manipur during 2021-22 session as given in Annexure – I. All admission (Academic & Hostel) fees payment must be made only through online mode available in NIT Manipur website, no other mode of transaction will be entertained.

4. ADMINISTRATION AND ACADEMICS

4.1: Administration

Sl. No.	Name	Designation
1.	Prof. (Dr.) Goutam Sutradhar	Director
2.	Dr. Th. David Singh	Registrar (i/c)
3.	Prof. (Dr.) Rajesh Kumar Bhushan	Dean (Academic Affairs)
4.	Dr. Aheibam Dinamani Singh	Dean (Students' Welfare)
5.	Dr. Yumnam Rohen Singh	Dean (Research & Consultancy)
6.	Dr. P. Albino Kumar	Dean (Planning & Development)
7.	Dr. Bakimchandra Oinam	Dean (Faculty Welfare)
8.	L. Dorendro Singh	Assistant Registrar (Admn.)
9.	Dr. Khelchandra Thongam	Assistant Registrar Estt. (i/c)
10.	Dr. I. Bidhanchandra Singh	Assistant Registrar (Academic Affairs)

Sl. No.	Name	Designation
1	I. Pradeep Singh	Accounts Officer
2	L. Ibocha Singh	Internal Audit Officer
3	T. Amuba Singh	Sr. Assistant (Admin/Accounts)
4	Suchitra Wangkhem	Superintendent (Office)
5	Kh. Saikya Singh	Technical Officer
6	H. Monorama Devi	Accountant

7	L. Jennifer	Junior Assistant
8	L. Somokanta Singh	Superintendent (Academic)
9	Th. Robita Devi	Stenographer
10	Kh. Narmada	Junior Assistant (Admin)
11	Ng. Binoi Singh	Junior Assistant (Academic)
12	G. Ranita Devi	Storekeeper
13	Fanny Khangenbam	Junior Assistant
14	Ngaih lun Tonsing	Junior Assistant (Academic)
15	Richard Mareem Chothe	Junior Assistant (Admn)
16	Mohammad Amir Hussain	Senior Assistant (Accounts)
17	Jonita Khwairakpam	P.S. to Director

4.2 : Examination Section:

Sl	Name	Responsibility	Phone No.
1	Dr. Mrinal Kanti Sarkar	Controller of Examinations	8837458727

4.3 : Hostels:

Sl.	Name	Designation	Phone No.
1	Dr. Sunil Panday	Chief Warden	7648842546
2	Dr. Anil Kumar Birru	Warden (Boys Hostel-1), Langol	8787786339
3	Dr. Manoj Kumar	Warden (Boys Hostel-2), Langol	9862812186
4	Dr. Mamata Maisnam	Warden (Girls Hostel), Takyel	9436288905
5	S. Tikendrajit Singh	Assistant Supervisor (Boys Hostel -1), Langol	7085791074
6	Ng. Jitendro Singh	Supervisor (Boys Hostel -2), Takyel	7085575563

7	W. Ranita Devi	Supervisor (Girls Hostel), Takyel	9856243147
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4.4: Library:

Sl.	Name	Designation
1	Dr. N. Vidyavati Devi	Assistant Librarian
2	M. Rakesh Singh	Library Assistant/ Junior Assistant

4.5: SPORTS

Sl No.	Name	Designation	Email
1	Kh Thangkin	Sports Officer	Thangkinkhar2@gmail.com

4.6: ENGINEERING SECTION

Sl. No.	Name	Designation	Email
1	Samarjit Singh	Executive Engineer	samarjit@nitmanipur.ac.in
2	M. Nongthouba	J.E. (Civil) i/c	nongthouba@gmail.com
3	Ch. Deepak Singh	J.E. (Electrical) i/c	dpakchabungbam@gmail.com
4	N. Nabakumar Singh	Electrician	nabakum63@gmail.com

4.7: ACADEMIC DEPARTMENTS

4.7.1 : HEADS OF ACADEMIC DEPARTMENT

Sl No.	DEPARTMENT	NAME	Email
1	Computer Science & Engineering	Dr. Kh. Johnson Singh	johnkh34@gmail.com
2	Electronics & Communication Engineering	Dr. Manoj Kumar	manojara400@gmail.com
3	Electrical Engineering	Dr. Shuma Adhikari	hodeenitm@gmail.com
4	Civil Engineering	Dr. Ngangbam Romeji	hodcivil@nitmanipur.ac.in
5	Mechanical Engineering	Dr. Huirem Neerajan Singh	hodme.nitmanipur@gmail.com
6	Department of Physics	Dr. Bibhu Prasad Swain	hodphysics.nitmanipur@gmail.com
7	Department of Mathematics	Dr. Chanam Barchand Singh	barchand_2004@yahoo.co.in

8	Department of Chemistry	Dr. Chandi Charan Malakar	chdeepm@gmail.com
9	Department of Humanities and Social Sciences	Dr. Sangeeta Laishram	sangeetalaishram7@gmail.com

4.7.2: DEPARTMENT-WISE LIST OF FACULTY MEMBERS

Department of Computer Science and Engineering			
Sl.	Name of the Faculty	Designation	Qualification
1.	Prof. Kh. Manglem Singh	Professor	BE,ME(DU),MS(BITS), PhD (IITG)
2.	Dr. Khelchandra Thongam	Assistant Professor	BE, M.Tech, Ph.D (U-Aizu, Tokyo)
3.	Dr. Yambem Jina Chanu	Assistant Professor	B.Tech, M.Tech, PhD (NERIST)
4.	Dr. Kh. Johnson Singh	Assistant Professor	BE, M.Tech Ph.D
5.	Ch. Neeta Devi	Assistant Professor	M. Tech, Ph.D (pursuing)
6.	M. Mangallebi Chanu	Lecturer	M.E, Ph.D (pursuing)
7.	Anuradha Laishram	Lecturer	M.E, Ph.D (pursuing)
8.	Sanabam Bineshwor	Lecturer	M. Tech, PhD pursuing
9.	Teressa Longjam	Lecturer	M. Tech, Ph.D (pursuing)
10.	Ksh. Merina Devi	Technical Assistant	B.Tech, MS (BITS)
11.	Nirvana Thokchom	Technical Assistant	B. Tech, M.Tech (pursuing)
12.	Sanasam Renubala Devi	Technical Assistant	B.E, M.Tech
Department of Electronics and Communication Engineering			
1	Dr. Aheibam Dinamani Dinamani	Associate Professor	B.Tech, M.Tech, Ph.D
2	Dr. Ashish Ranjan	Assistant Professor	Ph.D (ISM, Dhanbad)
3	Dr. L. Surajkumar Singh	Assistant Professor	BE, M.Tech (Tezpur Univ.), Ph.D (NIT Manipur)
4	Dr. Manoj Kumar	Assistant Professor	M.Tech, Ph.D (NIT Manipur)
5	Dr. Chitralekha Ngangbam	Assistant Professor	BE, M.Tech (Anna Univ.), Ph.D (NIT Agartala)
6	Dr. K. Pritamdas	Assistant Professor	BE, M.E, Ph.D (NIT Manipur)
7	Dr. Kh. Jilenkumari	Lecturer	M. Tech, Ph.D (NIT Manipur)
8	Dr. H. Tarunkumar	Lecturer	M. Tech, Ph.D (NIT Manipur)
9	Salam Devyani Devi	Lecturer	M. Tech
10	Samom Jayananda	Lecturer	M. Tech
11	Thingujam Churchil Singh	Lecturer	M. Tech
12	Richard Ningthoujam	Lecturer	M. Tech
13	Y. Shantikumar Singh	Technical Assistant	Dip., B. Tech, M.Tech
14	Anupa Hijam	Technical Assistant	B.E, M.Tech

15	Salam Nonglenkhomba Meitei	Technical Assistant	Dip., B. Tech
16	Nameirakpam Debala Devi	Technical Assistant	Dip., B.E
17	Saikhom Deepakkumar Singh	Lab. Assistant	B.Sc. (Delhi Univ.)
Department of Electrical Engineering			
1	Dr. Mrinal Kanti Sarkar	Assistant Professor	Ph.D (NIT Durgapur)
2	Dr. Shuma Adhikari	Assistant Professor	B. Tech, M.Tech (NIT, Silchar), Ph.D (NIT Manipur)
3	Dr. Benjamin A. Shimray	Assistant Professor	B. Tech, M.Tech, Ph.D (NIT Manipur)
4	Dr.Kundan Kumar	Assistant Professor	B. Tech, M.Tech, Ph.D
5	Ph. Devakishore	Lecturer	M. Tech, Ph.D (pursuing)
6	Lukram Dhanachandra Singh	Lecturer	M.E (Anna University)
7	Ingudam Chitrasen Singh	Lecturer	M.E (Anna University)
8	Simon Tongbram	Lecturer	M.E (VTU)
9	Rk. Malennganbi	Lecturer	M. Tech, Ph.D (pursuing)
10	Laishram Khumanleima Chanu	Lecturer	M. Tech (NIT Agartala)
11	Ksh. Priyalakshmi Devi	Lecturer	M. Tech, Ph.D (pursuing)
12	P. Shantibala Devi	Technical Assistant	M. Tech (TU)
13	Mex Kumar Brahmacharimayum	Technical Assistant	B.E (G U)
Department of Civil Engineering			
1	Dr. P. Albino Kumar	Associate Professor	B.E, M.Tech, Ph.D (IIT Guwahati)
2	Dr. Bakimchandra Oinam	Associate Professor	B.E, M.E., Ph.D (Ing.) (University of Stuttgart, Germany)
3	Dr. M. Sunil Singh	Assistant Professor	B.E, M.Tech, Ph.D (NIT Silchar)
4	Dr. Ngangbam Romeji	Assistant Professor	B.E, M.Tech (IIT Roorkee), Ph.D (IIT Roorkee)
5	Dr. Th. Tamphasana Devi	Assistant Professor	B.E, M.Tech, Ph.D (IIT Guwahati)
6	Dr.Khwairakpam Sachidananda	Assistant Professor	B. Tech, M. Tech (NIT Silchar), Ph.D (IIT Guwahati)
7	Dr. Waikhom Victory	Lecturer	B. Tech, M. Tech (NIT Silchar), Ph.D (NIT Silchar)
8	Sarungbam Pipileima	Lecturer	B. Tech, M. Tech (NIT Agartala), Ph.D* (pursuing in NIT Manipur)
9	Maisnam Nongthouba	Lecturer	B. Tech, M. Tech (NIT Silchar), Ph.D* (pursuing in NIT Manipur)
10	Ingudam Bigyananda	Technical Assistant	B.Tech (CE)
11	Koroungamba Laishram	Technical Assistant	B. Tech, M. Tech (NIT Manipur),

			Ph.D* (<i>pursuing in NIT Manipur</i>)
12	Polem Jesiada	Technical Assistant	B.Tech (CE)
13	Naoroibam Bidyamani Chanu	Technical Assistant	B.Tech (CE)
14	Khongbantabam Jayalalita Devi	Technical Assistant	B. Tech, M.Tech* (<i>pursuing in NIT Manipur</i>)
Department of Mechanical Engineering			
1	Prof. Rajesh Kumar Bhushan	Professor	Ph.D
2	Dr. Anil Kumar Birru	Assistant Professor	B.Tech, M.E (IEM), Ph.D (IIT, Roorkee)
3	Dr. Dushyant Singh	Assistant Professor	B.Tech, M. Tech, PhD (IIT Delhi)
4	Dr. Huirem Neerajan Singh	Assistant Professor	B. Tech, M. Tech(NIT SVNIT SURAT) Ph.D.
5	Dr. Sabindra Kachaap	Assistant Professor	B.Tech, M.E, Ph.D
6	Khundrakpam Nimo Singh	Sr. Lecturer	B.E, M. Tech, PhD
7	Maibam Bindya Devi	Lecturer	B.E, M. Tech (NIT Warangal)
8	Thokchom Subhaschandra Singh	Lecturer	B.E, M.E, PhD (pursuing)
9	Thiyam Lakshmi Devi	Technical Assistant	B. E (Aeronautical Engineering)
10	Laishram Birjit Singh	Technical Assistant	B.E (NIT Agartala)
11	Oinam Adeep Meitei	Technical Assistant	B. Tech
Department of Mathematics			
1.	Dr. Yumnam Rohen Singh	Associate Professor	Ph.D (MU)
2.	Dr.Chanam Barchand Singh	Associate Professor	Ph.D (JMI)
3.	Dr. Sanasam Surendra Singh	Assistant Professor	Ph.D (MU)
4.	Dr. Sunil Panday	Assistant Professor	Ph.D (NIT Bhopal)
Department of Chemistry			
1	Dr. Thiyam David Singh	Associate Professor	MSc (MU), Ph.D (NU)
2	Dr. Mithun Roy	Assistant Professor	Ph.D (IISc)
3	Dr. Chandi Charan Malakar	Assistant Professor	Ph.D(University of Stuttgart, Germany),Post Doctoral(Germany, Belgium, IISc)
4	Dr. Nagarajan S.	Assistant Professor	Ph.D (NCL-Pune)
5	Dr.Wangkheirakpam Sujata	Lecturer	Ph.D (MU)
6	Dr. Laishram Ronibala Devi	Lecturer	Ph.D (MU)
7	Dr. Henam Premananda Singh	Lecturer	Ph.D (DU)
8	Longjam Reena Devi	Technical Assistant	M.Sc (Mysore University)
9	Ngasepam Bhogenjit Singh	Technical Assistant	M.Sc (MU)
Department of Physics			
1	Dr. Bibhu Prasad Swain	Associate Professor	M.Sc (NIT Rourkela), M.Tech (Barkatullah University, Bhopal) PhD (IIT Bombay), Project Scientist (IIT Kanpur), NRF fellow

			(University of Cape Town, South Africa), Brain Korea, 21 Fellow Seoul National University, South Korea, Japan Society for the Promotion of Science (JSPS) Fellow (Govt. of Japan)
2	Dr. Ibetombi Soibam	Associate Professor	MSc (MU), Ph.D (MU)
3	Dr. Mamata Maisnam	Assistant Professor	M.Sc (MU), Ph.D (MU), CSIR-RA (MU), UGC-PDF (MU).
4	Dr.L. Herojit Singh	Assistant professor	M.Sc (MU), Ph.D (Homi Bhabha National Institute, Mumbai, PDF (Universidade de Brasilia)
5	Dr. Sh. Lenin Singh	Assistant Professor	M.Sc (JNU), Ph.D(Leibniz Institute of Polymer Research Dresden, Germany & Technische Universitat Dresden, Germany, PDF (Bar-IlanUniv, Israel)
4	Dr. Th. Diana	Lecturer	M.Sc (Dr. B.R Ambedkar University, Agra),Ph.D (MU)
5	Sujata Tongbram	Technical Assistant	M.Sc (MU), Ph.D (pursuing)
6	Jimpaul Samukcham	Technical Assistant	M.Sc (MU)
Department of Humanities & Basic Sciences			
1	Dr. Sangeeta Laishram	Assistant Professor	MA (MU), Ph.D (MU)
2	Dr. H Soni Devi	Lecturer	MBA, Ph.D (MU)
3	Daina Rajkumari	Lecturer	MA

5. DEPARTMENTAL LABORATORIES

5.1 COMPUTER SCIENCE & ENGINEERING

Laboratories

- Programming Lab
- Digital Circuits & Logic Design Laboratory
- OOP & Data Structure Lab
- Database Management System Lab.
- Network Security Lab
- Local Area Network Lab.
- Cyber Forensic Lab.
- Microprocessor Lab.
- Operating System & Compiler Design Lab.
- Software Engineering Lab.
- Computer Networks Lab.
- Web Technology Lab.
- Robotics Automation Lab.
- Network & Data Communication Lab

- Language Lab
- Image & Video Processing Lab
- **List of Software**
 - i) C++ Compiler
 - ii) Matlab
 - iii) Windows 7
 - iv) Linux – Fedora 12
 - v) NS 2
 - vi) LAN Trainer kit
 - vii) Network Trainer kit
 - viii) Computer Security Trainer kit
 - ix) Rational Rose
 - x) Microsoft Office
 - xi) Visual Studio
 - xii) Network Security attacks detection & analysis software
 - xiii) Cyber forensic hardware & software – ENCASE
 - xiv) My Eclipse
 - xv) Dreamweaver CS6
 - xvi) Oracle

5.2 ELECTRICAL ENGINEERING

Laboratories

- Basic Electrical Lab
- Basic Electronics Lab.
- Digital Electronics Lab
- Analog Circuit Lab
- Electrical Machines Lab
- Power System Lab
- Control Engineering Lab
- Industrial Electronics Lab
- Instrumentation & Measurement Lab
- Computer Simulation Lab
- Electrical Measurement & measuring Instruments Lab
- Instrumentation Lab
- Control system Lab
- Power Electronics Lab
- Electrical Drives Lab
- Microprocessor & Micro Controller Lab
- Digital Signal processing Lab

- Electrical machine Design and power circuit Lab
- Microprocessor Lab
- Computer Lab

5.3 ELECTRONICS & COMMUNICATION ENGINEERING

Laboratories

- Network Analysis Lab
- Semiconductor Device and Circuits Lab
- Analog Circuits Lab
- Digital Electronics Lab
- Analog Communication Lab
- Electronics and Electrical Measurement & Instrumentation Lab
- Microprocessor Lab
- Digital Communication Lab
- Digital signal processing Lab
- VLSI and VHDL Lab
- Embedded system Lab
- Industrial Electronics Lab
- Antenna Design Lab
- Microwave Engineering Lab
- Computer Networks Lab

5.4 CIVIL ENGINEERING

Laboratories (Instruments/Equipments)

- Engineering Materials Lab
- Fluid Mechanics Lab
- Concrete Technology Lab
- CAD, Computational and GIS Lab
- Hydraulics Lab (Sediment Transport Flume, Hydraulic Structures, etc)
- Surveying Lab (ETS, GPS, Differential GPS, Real Time Kinematic (RTK) Survey set, etc)
- Environmental Engineering Lab
- Geotechnical Engineering Lab
- Transportation Engineering Lab
- Engineering Geology Lab
- Field Hydrographic Survey/Hydrometry (Digital Echo/Depth Sounder– Dual Frequency, Digital Flow Probe, USD Sediment Sampler, etc)

Software Modules:

- AutoCAD 2015
- ArcMap ver. 10.3 (ESRI) upgraded
- ERDAS IMAGINE 2015 (Intergraph)
- ANSYS FLUENT 3D

- STAAD Pro
- ENVI ver 5.5 IDL ver 8.7 (Harris Geospatial)*
- Origin Pro, Sigma Plot (Educational ver.)
- AERMOD*
- MATLAB

(*research/sponsored project procurement)

5.5 MECHANICAL ENGINEERING

Laboratories

- Machine Drawing
- Strength of Materials Lab
- Heat Transfer Lab
- Manufacturing Technology Lab
- Measurements and Metrology Lab
- Fluid Mechanics & Turbo Machinery Lab
- Dynamics of Machines Lab
- Mechatronics Lab
- Automobile Engineering Lab
- Thermal Engineering Lab-II
- CAD/CAM Lab

5.6 CHEMISTRY

Laboratories

- Chemistry Lab

5.7 PHYSICS

Laboratories

- Physics Lab

Research Lab

- Agilent E4980A, 2 MHz precision LCR meter
- Microwave Furnace (1400⁰ C)
- High Temperature Muffle Furnace (1400⁰ C)
- Spin Coating Unit
- Material Synthesis Lab

5.8 MATHEMATICS

6. B. Tech Ordinances, Rules and Regulations

B. Tech. ORDINANCES, RULES AND REGULATIONS

(Applicable from 2020 Batch Onwards)

ORDINANCES

	All B. Tech. programmes offered by the Institute shall be governed by the B. Tech. Rules and Regulations.														
	The B. Tech. rules and regulations shall be applicable to any new discipline(s) under these programmes that may be introduced in future.														
	A student becomes eligible for the award of the B. Tech. degree after fulfilling all the academic requirements and extra-academic activities as prescribed by the B. Tech. Rules and Regulations.														
	<p>The Institute shall have the following B. Tech. branches:</p> <p><u>B.Tech. Programme</u></p> <table><thead><tr><th>Branches</th><th>Departments</th></tr></thead><tbody><tr><td>Civil Engineering</td><td>Civil Engineering</td></tr><tr><td>Computer Science & Engineering</td><td>Computer Science & Engineering</td></tr><tr><td>Electronics & Communication</td><td>Electronics & Communication</td></tr><tr><td>Engineering</td><td>Engineering</td></tr><tr><td>Electrical Engineering</td><td>Electrical Engineering</td></tr><tr><td>Mechanical Engineering</td><td>Mechanical Engineering</td></tr></tbody></table>	Branches	Departments	Civil Engineering	Civil Engineering	Computer Science & Engineering	Computer Science & Engineering	Electronics & Communication	Electronics & Communication	Engineering	Engineering	Electrical Engineering	Electrical Engineering	Mechanical Engineering	Mechanical Engineering
Branches	Departments														
Civil Engineering	Civil Engineering														
Computer Science & Engineering	Computer Science & Engineering														
Electronics & Communication	Electronics & Communication														
Engineering	Engineering														
Electrical Engineering	Electrical Engineering														
Mechanical Engineering	Mechanical Engineering														

RULES AND REGULATIONS

6.1 : ACADEMIC CALENDAR

6.1.1	Each academic session is divided into two semesters of approximately eighteen weeks duration (with at-least seventy working days for classes in each semester): an odd semester (July --December) and an even semester (January -- May).
6.1.2	The Senate approved schedule of academic activities for a session, inclusive of dates for registration, mid-semester and end-semester examinations, inter-semester breaks etc, shall be laid down in the Academic Calendar for the session.

6.2: ADMISSION

6.2.1	The number of seats in each branch of the undergraduate programme for which admission is to be made in NIT Manipur will be decided by the Senate of NIT Manipur. Seats are reserved for candidates as per CSAB/JoSAA.
6.2.2	Admission to all courses will be made in the odd semester of each session, at the first year level, through a Joint Entrance Examination (JEE) conducted by NTA. Detailed rules of JEE are available in the "Information Brochure" published by the IITs/NITs every year.
6.2.3	No student is allowed to transfer to other NITs.
6.2.4	If, at any time after admission, a candidate is found not fulfilling 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.
6.2.5	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 on disciplinary grounds. The criteria for the former will be governed by these Rules and Regulations, while the criteria for the latter will be governed by the Rules and Regulations of the Ordinance on Code and Conduct of Students
6.3: RESIDENCE	
6.3.1	Under special circumstances, the Director 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 Hostel Affairs' Board. However, this permission may be withdrawn at the discretion of the Institute, at any time considered appropriate by it, without assigning any reason.
6.3.2	No married accommodation shall be provided to any student of the undergraduate courses.
6.3.3	All students must abide by the rules and regulations of the hostel as may be framed from time to time by the Hostel Affairs' Board.
6.4: ATTENDANCE	
6.4.1	<p>(a) Students are required to attend all the classes (Lectures, Tutorials/Studios, Laboratories, Practical, Workshops etc) for which they have been registered. Students are required to attend all the classes of Extra Academic Activities (Physical Training, NCC, NSS, NSO including camps and other pre-publicised programmes) for which they have been registered.</p> <p>(b) Students will have to attend all classes. A student will be debarred from appearing in an end-semester examination if his/her attendance falls below 75 percent and will be awarded an "F" grade in that course.</p> <p>Similarly, a student will be awarded "NP" grade in Extra Academic Activities if his/her attendance falls below 75 percent.</p>
6.4.2	<p>LEAVE OF ABSENCE</p> <p>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 for the leave requested for along with supporting document(s). Such leave will be granted by the Head of the Department.</p> <p>b) Absence for a period not exceeding two weeks in a semester due to sickness or any other unavoidable reasons for which prior application could not be made may be condoned by the Head of the Department provided he/she is satisfied with the explanation.</p> <p>c) If the period of absence is likely to exceed two weeks, a prior application for grant of leave will have to be submitted through the Head of the Department to the Dean of</p>

	<p>Academic Affairs with supporting documents 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.</p> <p>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.</p> <p>e) The leave of absence as per Clauses 4.2 (a) to 4.2 (c) will not be condoned for attendance.</p>
6.4.3	It will be the responsibility of the student to intimate the Warden of the hostel in which he/she is residing, and the concerned instructors regarding his/her absence before availing the leave.
6.4.4	In exceptional circumstances, the Dean of Academic Affairs in consultation with the Chairman, Senate may relax any of the above requirements.
6.5: CONDUCT AND DISCIPLINE	
6.5.1	Students shall conduct themselves within and outside the precincts of the Institute in a manner befitting the students of an institution of national importance. The Institute has a separate ordinance Code and Conduct of Students which is applicable to all students of the Institute.
6.6: CHANGE OF BRANCH	
6.6.1	Normally a student admitted to a particular branch of the undergraduate programme will continue studying in that branch till completion.
6.6.2	However, in special cases the Institute may permit a student admitted through JEE 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 hereinafter.
6.6.3	Only those students will be considered eligible for change of branch/programme after the second semester, who have completed all the common credits required in the first two semesters of their studies, in their first attempt, without having had to pass any course requirement in the supplementary and parallel examinations.
6.6.4	Applications for a change of branch/programme must be made by intending eligible students in the prescribed form. The academic section will call for applications at the end of second semester of each academic year and the completed forms must be submitted by the last date specified in the notification
6.6.5	Students may enlist their choices of branch/programme, in order of preference, to which they wish to change over. It will not be permissible to alter the choices after the application has been submitted.
6.6.6	Change of branch/programme shall be made strictly in order of merit of the applicants. For this purpose the CPI 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.
6.6.7	The applicants may be allowed a change in branch/programme, strictly in order of inter se merit, subject to the limitation that the strength of a branch should not fall below the

	existing strength by more than ten percent and should not go above the sanctioned strength by more than ten percent.
6.6.8	All changes of branch/programme made in accordance with the above rules will be effective from the third semester of the applicants concerned. No change of branch/programme shall be permitted after this.
6.6.9	All changes of branch/programme will be final and binding on the applicants. No student will be permitted, under any circumstances, to refuse the change of branch/programme offered.
6.7: COURSE STRUCTURE	
6.7.1	Teaching of the courses shall be reckoned in credits; Credits are assigned to the courses based on the following general pattern: 2 credits for each lecture period 2 credits for each tutorial period 1 credit per hour for each Laboratory or Practical or Project session.
6.7.2	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. The credit requirements for a programme will be in the range of 290-320 credits.
6.7.3	No semester will normally have more than six lecture based courses and four laboratory courses. However, in special cases, students may be permitted to take seven lecture-based courses subject to the recommendation of Faculty Advisor and approval of Departmental Undergraduate Programme Committee (DUPC). The composition, tenure and functions of DUPC, are indicated at Annexure-I .
6.7.4	In addition to the prescribed credit requirement (between 290 and 320) a student shall have to complete the requirements of Extra Academic Activities (EAA) during the first four semesters. Students will be awarded (PP/NP) grades for the EAA, which will be recorded in the Grade Card but not taken into account for computing the SPI and the CPI.
6.7.5	The course work requirements may be broadly divided into following four main groups of subjects: Institutional Core subjects Departmental Core subjects Departmental Elective subjects Institutional Elective subjects
6.7.6	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 Institute Undergraduate Programme Committee (IUPC). The IUPC will consider the

	<p>proposals from the departments and make recommendations to the Senate for consideration and approval. For all approved courses, the copyright will be with NIT Manipur.</p> <p>The composition, tenure and functions of IUPC, are indicated at Annexure-I.</p>
6.7.7	Medium of instruction, examination and project reports will be in English.
6.7.8	<p>The curriculum of an individual department may include summer training for eight to ten weeks for every undergraduate student. Summer training is to be satisfactorily completed before a student is declared eligible for the degree. The curriculum for an individual department may show a credit allocation for summer training, if considered necessary.</p> <p>Normally summer training will be mandatory with 2 credits during the summer vacation following the sixth semester of studies.</p>
6.7.9	Faculty Advisor: To help the students in planning their courses of study and getting general advice on the academic programme, the concerned department will assign a Faculty Advisor to each student.
6.8: ELECTIVE COURSES	
6.8.1	<p>Two types of elective courses are offered.</p> <p>I. Departmental Elective Subjects</p> <p>II. Institutional Elective Subjects (Open Electives)</p>
6.8.2	Departmental Electives are offered in the same department.
6.8.3	Open Electives are offered in other departments, and a student can opt these electives provided the electives are related to his/her areas.
6.9: REGISTRATION	
6.9.1	Every student is required to register for approved courses through the assigned Faculty Advisor at the commencement of each semester on the day fixed for such registration and notified in the Academic Calendar. The Dean Academic Affairs may cancel the registration of one or more courses if they are found to violate some rules or if there are restrictions imposed due to disciplinary reasons.
6.9.2	<p>Only those students will be permitted to register who have :</p> <p>a) cleared all Institute, Hostel and Library dues and fines (if any) of the previous semesters,</p> <p>b) paid all required advance payments of Institute and Hostel dues for the current semester, and</p> <p>c) not been debarred from registering on any specific ground.</p>
6.9.3	<p>During registration following conditions must be fulfilled :</p> <p>a) Normally, the number of credits registered for during a semester should not be less</p>

	than 30 credits. The L-T-P loading for a semester should not exceed 48 credits.
6.9.4	<p>a) Students obtaining grade 'F' in any compulsory subject in any semester may clear it in the subsequent supplementary and parallel examinations or must repeat it in the next appropriate semester when it is offered.</p> <p>b) Those who obtain grade 'F' in an elective subject may similarly clear the backlog in the supplementary and parallel examinations or, alternatively, register for any elective subject from within the same group of electives offered in the next semester.</p> <p>c) In case of failure in Laboratory/Practical subject, the student will have to appear supplementary or parallel examination.</p> <p>d) Similarly, in case of failure in Extra Academic Activities the student will have to re-register for it in the appropriate semester of the next academic session.</p>
6.9.5	A student who obtains a CPI lower than 5.00 with grade 'P' in some subjects or grade 'F' in some subjects may be permitted by the Dean of Academic Affairs on the recommendations of the DUPC to repeat one or more P graded subjects along with the failed subjects, provided, the subject(s) is /are being offered therein.
6.9.6	When a student re-registers for a subject, in accordance with clause 9.4 and clause 9.5 above, his/her new grade will be used for SPI calculation, whereas for CPI calculation, the better of the two grades (the old and the new) of that subject will be considered.
6.9.7	Students may add and drop subject(s) with the concurrence of the Faculty Advisor, and under intimation to the concerned course instructors and the academic section provided this is done within the date mentioned in the Academic Calendar and as per the conditions given in clause 9.3 above.
6.10: SUPPLEMENTARY EXAMINATION	
6.10.1	Supplementary examination may be arranged in the summer by a department on the recommendation of DUPC and with the approval of Dean (Academic Affairs) so that a student can appear supplementary examination in courses with P and F, which should be announced by the Academic Affairs at the end of the even semester and before the commencement of the next session, and a student should pay the prescribe fees within the stipulated time in the announcement. Time and date will be announced by Examination Controller. 1 grade down will be awarded except for P and F.
6.10.2	Parallel examination may be arranged during odd semester examination by a department on the recommendation of DUPC and with the approval of Dean (Academic Affairs) so that a student can appear parallel examination in courses with P and F, which should be announced by the Academic Affairs before odd semester examination, and a student should pay the prescribe fees within the stipulated time in the announcement. 1 grade down will be awarded except for P and F.
6.11: PROGRAMME	
6.11.1	<p>Normally a student should complete all the requirements for undergraduate programme in eight semesters.</p> <p>However, academically weaker students who do not fulfil some of the requirements in their first attempt and have to repeat them in subsequent semesters may be permitted up</p>

	to 12 consecutive semesters (from the first semester registration) to complete all the requirements of the degree.
6.12: TEMPORARY WITHDRAWAL FROM THE INSTITUTE	
6.12.1	<p>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 prolonged illness or grave calamity in the family for a period of one semester or more, provided:</p> <p>a) he/she applies to the Institute within at least 6 weeks of the commencement of the semester or from the date he last attended his/her classes whichever is later, stating fully the reasons for such withdrawal together with supporting documents and endorsement of his/her guardian;</p> <p>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 Clause 11 above; there are no outstanding dues or demands in the Institute/ Hostel /Department/Library/NCC/NSS/NSO.</p>
6.12.2	A student who has been granted temporary withdrawal from the Institute under the provisions of Clause 12.1 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 refunded.
6.12.3	Normally, a student will be permitted only one such temporary withdrawal during his/her tenure as a student of the undergraduate programme.
6.13: TERMINATION FROM THE PROGRAMME	
6.13.1	<p>A student is required to leave the Institute on the following grounds:</p> <p>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.</p> <p>b) A student may also be required to leave the Institute on disciplinary grounds.</p> <p>c) On having been found to have produced false documents or having made false declaration at the time of seeking admission.</p> <p>d) On having been found to be pursuing regular studies and/or correspondence courses (leading to degree or diploma) in any other college, university or an educational institution.</p> <p>e) On having been found to be concurrently employed and performing duty or carrying out business in contravention to academic schedules of the Institute and without approval from the Institute.</p>
6.14: GRADING SYSTEM	
6.14.1	<p>Based on the performance of a student, each student is awarded a final letter grade in each subject at the end of the semester. Absolute grading is followed. The letter grades and the corresponding grade points are as follows :</p> <p>I. Grades</p>

	Grade	Grade Point	Marks
	Ex	10	100-90
	A	9	89-80
	B	8	79-70
	C	7	69-60
	D	6	59-50
	P	5	49-40
	F	0	below 40
	In addition, there shall be two transitional grades I and X used by the instructors.		
	II. Percentage conversion and Division		
	Percentage Marks = (CPI-0.5) x 10		
6.14.2	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.		
6.14.3	<p>The Transitional Grades I and X</p> <p>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:</p> <p>(i) Illness or accident which disabled him from appearing at the examination.</p> <p>(ii) A 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.</p> <p>A student will be eligible for the award of grade ‘I’ only if his/her attendance at classes and performance in other components of assessment are complete and satisfactory.</p> <p>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.</p> <p>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) within two 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.</p>		
6.14.4	<p>A Semester Performance Index (SPI) will be computed for each semester rounded up to two decimal places. The SPI will be calculated as follows:</p> $\text{SPI} = (C1*G1 + C2*G2 + C3*G3 + \dots + Cn*Gn) / (C1 + C2 + C3 + \dots + Cn)$		

	<p>where, n is the number of courses registered during the semester,</p> <p>C_i is the number of credits allotted to a particular course, and</p> <p>G_i is the grade points corresponding to the grade awarded for the course.</p>
6.14.5	<p>A Cumulative Performance Index (CPI) will be computed at the end of each semester and communicated to the students along with the SPI and the grades obtained by them for that semester.</p> <p>The CPI gives the cumulative performance of the student from the first semester up to the end of the semester to which it refers, and will be calculated rounded upto two decimal places as follows:</p> $\text{CPI} = (C_1 * G_1 + C_2 * G_2 + C_3 * G_3 + \dots + C_m * G_m) / (C_1 + C_2 + C_3 + \dots + C_m)$ <p>where, m is the number of courses registered upto that semester,</p> <p>C_i is the number of credits allotted to a particular course, and</p> <p>G_i is the grade points corresponding to the grade awarded for the course.</p> <p>Whenever a student repeats or substitutes a course in any semester, the lower grade(s) obtained by him/her in the course is to be ignored in the computation of CPI from that semester onwards.</p>
6.14.6	<p>Both SPI and CPI will be rounded off to the second place of decimal and recorded as such. Whenever these CPI 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.</p>
6.14.7	<p>When a student gets the grade 'I' or 'X' for any course during a semester, the SPI for that semester and the CPI 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 SPI and CPI for that semester will finally be recalculated after taking the converted grade(s) into account.</p>
6.14.8	<p>There are, however, a few other academic requirements for undergraduate programmes where student will be awarded following two grades viz., 'PP' – Passed and 'NP' – Not Passed. All non-credit subjects (such as Physical Training/NCC/NSO/NSS, industrial training, field visits and 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 SPI or CPI. However, the award of the degree is subject to obtaining a 'PP' grade in all such subjects.</p>
6.14.9	<p>The faculty advisor may permit a student to register for an audit course provided the course instructor allows auditing a course. The word "AU" shall be written alongside the</p>

	Course Name in the Grade Card. The audit course & the grade “AU” shall not carry any credits and grade points. Pass or fail status will be shown in the grade card as “PP” for passed and “NP” for not passed. However, a student is not required to register again for passing a failed audit course.
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6.15: ASSESSMENT OF PERFORMANCE

6.15.1	<p>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.</p> <ol style="list-style-type: none"> a) In case of theoretical subjects, the evaluation will be based on instructors’ assessment & quizzes (20% including assignments, conduct, attendance etc), mid semester examination (30%) and end semester examination (50%), and sessional subjects (Laboratory/Design/Drawing/Studio/Workshop etc.), the evaluation will be on the basis of attendance, assessment of the tasks assigned and end semester test/viva. b) The evaluation of the project work will be based on sessional work assigned by the supervisor, seminar, project report and project evaluation committees’ assessment (also see Clause 15.2 below). c) In case of other requirements such as seminar, extra academic activities etc., evaluation will be as determined by the grade awarding authority. d) The mid-semester and end-semester examination will be conducted centrally by the Academic Section of the Institute every semester. Every theory course must have a mid-semester and an end-semester examination. The durations of the examinations will be 90 minutes and 2 hours respectively. No course can have an examination of shorter durations. The class-tests or quizzes will be organized by the instructor concerned. e) The weightage assigned to different components of assessment will be announced by the concerned instructor(s) in the beginning of the semester. f) The results of performance of the students in the mid-semester examination shall be announced by the instructors. The instructors should workout following points for returning evaluated mid-semester answer scripts: <ol style="list-style-type: none"> I. for spot verification by students, the evaluated answer scripts shall be made available during one of the lecture classes/lab classes/tutorials or during a special session, as may deemed fit by the instructor; II. at least a week ahead of the notified time-schedule for verification of answer scripts by the students, individual course instructor(s) may display the model answers relating to the question paper, through website for information to the students; III. students shall point out discrepancies in the evaluation by the instructor, if any, on the spot; IV. After conclusion of the spot verification of answer scripts, the students shall be allowed to carry their answer scripts; and no claim whatsoever shall be entertained afterwards.
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	<p>V. All instructors should report to their respective Heads of the Department/Centre about showing of evaluated answer scripts to the concerned students by the stipulated date set for the purpose in the academic calendar.</p> <p>VI. The concerned Head of the Department/Centre in turn shall send their respective reports on the subject to the Dean of Academic Affairs, within 7 (seven) days from the scheduled last date for showing evaluated answer scripts to the students.</p> <p>g) The final grades for a subject must be submitted after the end-semester examination by the instructor(s) concerned to their Head of the Department for onward transmission to the Assistant Registrar (Academic) within the date stipulated in the academic calendar.</p>
6.15.2	<p>Evaluation of Projects:</p> <p>a) The project work is normally in two stages, each spread over a semester. At the end of the 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 the work is continued in the following semester.</p> <p>b) The second stage of project work is also evaluated in the same manner as in the first stage. However, in the second stage the students are required to submit unbounded copies of the report for examination.</p> <p>On successful completion of the oral examination, each student will be required to submit corrected bound copies of the project report one each to the department and the supervisor(s).</p> <p>c) 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 obtain an 'F' grade in the final (second stage) assessment will be required to re-register for it in a subsequent semester (including a summer semester).</p> <p>d) For students having insufficient progress either in the second stage of a two stage project or in a single stage project, extension of time in the summer vacation not exceeding ten weeks from the announced last date for submission of the project report may be granted by the DUPC. In such cases, the concerned students will be temporarily awarded an 'I' grade. Further, if the reports are not submitted within the allowed period of time, the 'I' grade will be automatically converted to an 'F' grade.</p>
6.15.3	The evaluation of performance in Extra Academic Activities will be done by the authorities conducting them and they will communicate grades to the Academic Section.
6.16: METHOD OF AWARDING LETTER GRADES	
6.16.1	The instructor(s) shall submit two copies of letter grades to the Head of the Department, concerned by the due date specified in the Academic Calendar. The Head of the Department will forward all grades to the Academic Section by the due date specified in the Academic Calendar.
6.16.2	End-semester examination answer scripts and the sheet containing details of marks converted to grades shall be preserved by the instructor(s) concerned for a period of one

	semester.
6.16.3	Changes in Grades Already Awarded: If a student feels that he/she has not been awarded a deserving grade in a course, he/she may request the instructor of the course within one week of the start of the next semester, to show him/her the end-semester answer script in order to ensure that all the questions have been evaluated properly. In case of any change in grade, the same with due justification has be communicated by the Instructor to the Dean of Academic Affairs through the Head of the Department.
16.17: EXAMINATIONS	
6.17.1	In assessing the student's attainment 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 instructors' assessment and quizzes etc.
6.17.2	A student may be debarred from appearing in the 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 not been satisfactory during the semester, and/or, ii) his/her performance in the sessional work done during the semester has been unsatisfactory.
6.18: MAKE-UP EXAMINATIONS	
6.18.1	Students who have missed an end-semester examination on valid reasons and have been awarded "I" grade are eligible for a make-up examination. They should make an application to the Dean of Academic Affairs through the Instructor/HOD within seven days from the date of the examination missed explaining the reasons for their absence.
6.18.2	No make-up examination will be scheduled for the mid-semester examination and quizzes. It is entirely up to the instructor to ascertain the proficiency of the student by whatever means considered appropriate to him/her if he/she is satisfied of the bonafides of the case.
6.18.3	Official permission to take 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 authorised 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. Certificates from private medical practitioners will not be accepted. The Dean of Academic Affairs can use his/her discretion in giving permission to a student to take a make-up examination.
6.18.4	Students who are awarded "X" grade by the teachers are also eligible for the make-up examination.

6.18.5	Make-up examination will be held as per dates notified in the Academic Calendar. Make-up examinations at any other time can be held only with the permission of the Dean of Academic Affairs.
6.19: WITHHOLDING OF GRADES	
6.19.1	Grades shall be withheld when the student has not paid his/her dues or when there is a disciplinary action pending against him/her.
6.20: ELIGIBILITY FOR AWARD OF B. TECH. DEGREE	
6.20.1	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 a 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, Industrial Training, etc (if any); c) no dues to the Institute, Department, Hostels, NCC, NSS and NSO; and d) no disciplinary action is pending against him/her.
20.2	The award of B. Tech. degree must be recommended by the Senate and approved by the Board of Governors of the Institute.

6.21: DEPARTMENTAL UNDERGRADUATE PROGRAMME COMMITTEE (DUPC)		
Composition		
I	Head of the Department (ex-officio)	Chairman
II	Six faculty members to be nominated by the Department of which one will be nominated by the Department as the member secretary. (Note : If faculty strength of a department is less than or equal to six, then all the faculty members will be members of DUPC)	Members
III	One faculty member from another department. The department will be chosen by the committee. The faculty member from the chosen department will be nominated by the HOD of that department.	Member
IV	Two students with CPI not less than 7.5 to be elected by the undergraduate students of the 2nd, 3rd and 4th year. One student member from any other department may be co-opted if necessary.	Members
TENURE		
Two years for faculty members and one year for student members.		

FUNCTIONS	
I	To oversee the conduct of all undergraduate courses of the department.
II	To ensure academic standard and excellence of the courses offered by the department.
III	To discuss and recommend the syllabi of all the undergraduate courses offered by the department from time to time before sending the same to the Institute Undergraduate Programme Committee(IUPC)
IV	To consider any matter related to the undergraduate programme of the department.

6.22: INSTITUTE UNDERGRADUATE PROGRAMME COMMITTEE (IUPC)

COMPOSITION		
I	Dean of Academic Affairs (ex-officio)	Chairman
II	DUPC Secretaries of all departments.	Members
III	DR (Academic) or AR (Academic)	Non-Member Secretary
TENURE		
Two years		
Functions		
I	To oversee the conduct of all undergraduate 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 undergraduate programme of the Institute.	

7. Common Syllabi of B. Tech I & II Semesters (2015 Onwards)

B. Tech I Semester Group 1

Course No.	Course Name	L	T	P	C
CH101	Engineering Chemistry	3	0	0	6

ME101	Engineering Mechanics	3	1	0	8
MA101	Engineering Mathematics - I	3	0	0	6
EC101	Basic Electronics Engineering	3	0	0	6
HS101	Communication Skills	2	0	0	4

PRACTICLE

CH131	Engineering Chemistry Laboratory	0	0	2	2
ME131	Workshop	0	0	3	3
ME133	Engineering Drawing	1	0	3	5
SA101	NCC/NSS/NSOII	0	0	2	0

B. Tech I Semester Group 2

Course No.	Course Name	L	T	P	C
CS101	Introduction to Computing	3	0	0	6
EE101	Basic Electrical Engineering	3	0	0	6
MA101	Engineering Mathematics - II	3	0	0	6
PH101	Engineering Physics	3	0	0	6
CE101	Environmental Studies	2	0	0	4

PRACTICLE

CS131	Computing Laboratory	0	0	4	4
PH131	Engineering Physics Laboratory	0	0	3	3
EE131	Basic Electrical Laboratory	0	0	3	3
SA101	NCC/NSS/NSOII	0	0	2	0

FEE STRUCTURE:**Academic Fees:**

Sl. No.	Items	1 st sem fee (Rs.)	2 nd sem fee (Rs.)	3 rd sem fee (Rs.)	4 th sem fee (Rs.)	5 th sem fee (Rs.)	6 th sem fee (Rs.)	7 th sem fee (Rs.)	8 th sem fee (Rs.)
1	Admission fee (one time)	1000	00	00	00	00	00	00	00
2	Tuition fee *	62500	62500	62500	62500	62500	62500	62500	62500
3	All other fees	1000	1000	1000	1000	1000	1000	1000	1000
4	Institution Development fees	5000	5000	00	00	00	00	00	00
5	Students activity fee	1000	1000	1000	1000	1000	1000	1000	1000
6	Medical Insurance & OPD facility fees (per annum)	1200	00	1200	00	1200	00	1200	00
7	Caution money (Refundable)	5000	00	00	00	00	00	00	00
8	Grade Card fee	500	500	500	500	500	500	500	500
9	Smart ID fee	200	00	200	00	200	00	200	00
10	Communication Skill Development fee	00	00	1000	1000	1000	1000	00	00
11	T&P fee	00	00	00	00	00	00	2000	2000
12	Alumni fee	00	00	00	00	00	00	00	300
13	Degree Certificate fee	00	00	00	00	00	00	00	500
14	Prospectus Fee	300	00	00	00	00	00	00	00
	Total (Rs)	77700	70000	67400	66000	67400	66000	68400	67800

* Ref: Letter F.No.33-4/2014-TS.III dated 24/06/2016, Ministry of Human Resource Development, Govt. of India,

- The SC/ST/PH students shall get complete tuition fee waiver
- The most economically backward students (whose family income is less than Rs. 1.00 lakh per annum) shall get full remission of the tuition fee.
- 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 2/3rd of the tuition fee.

SC/ST students who are eligible for any kind of scholarship or financial aid which incorporates the tuition fees from the Central/State Govt./Ministries must submit an undertaking to deposit the tuition fee amount with the Institute as soon as they receive the scholarship amount as per the letter No.F.14-5/2013-SC/ST dated 13/01/2014 of Ministry of Human Resource Development, Govt. of India

HOSTEL FEES

Sl. No.	Items	1 st sem fee (Rs.)	2 nd sem fee (Rs.)	3 rd sem fee (Rs.)	4 th sem fee (Rs.)	5 th sem fee (Rs.)	6 th sem fee (Rs.)	7 th sem fee (Rs.)	8 th sem fee (Rs.)
1	Hostel Admission fee	500	00	00	00	00	00	00	00
2	Hostel Rent	2500	2500	2500	2500	2500	2500	2500	2500

3	Light and Water	1000	1000	1000	1000	1000	1000	1000	1000
4	Hostel Caution Money	5000	00	00	00	00	00	00	00
5	Mess Charge**	19800	19800	19800	19800	19800	19800	19800	19800
	Total	28800	23300	23300	23300	23300	23300	23300	23300

****Mess charge may be refunded in case of surplus or additional amount may be charged according to actual expenditure.**

The above fee structure is effective from the 2016-17 batch onwards.

All admission (Academic & Hostel) fees payment must be made only through online mode available in NIT Manipur website, no other mode of transaction will be entertained. For loanee students, Demand draft has to be in favour of Director, NIT Manipur payable at Bank of Baroda.