



MANIPUR TECHNICAL UNIVERSITY

# Manipur Technical University

(A University created by the Manipur Technical University Act, 2016)

Takyelpat, Imphal West, Manipur – 7950 004

Information Brochure  
for B. Tech  
Programme 2017 – 18



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Takyelpat, Imphal West, Manipur – 7950 004

## Information Brochure for B. Tech. Programme 2017-18



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## Objects of the University

*"To disseminate, create and preserve the knowledge in the field of technical education for the advancement of mankind and understanding by teaching, training, and research."*



MANIPUR TECHNICAL UNIVERSITY

## Manipur Technical University – A Ragging Free University

According to “The UGC Regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009”, the definition of ragging includes, among other things, one or more of the following acts: any conduct which has the effect of teasing whether by words spoken or written or by an act; treating or handling any other student with rudeness; indulging in rowdy or undisciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or a junior student; asking a student to do any act or perform something which such student will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect his physique or psyche.

### IMPORTANT INSTRUCTIONS FOR THE STUDENTS

- According to Hon'ble Supreme Court of India, ragging in educational institutions is banned.
- Ragging is a cognizable offence.
- Students are advised not to indulge in ragging.
- Ragging entails heavy fines and/or suspension/expulsion.
- Ragging is an undesirable social offence, which is totally banned in the university campus.
- In case the applicant for admission in the institute is found to have indulged in ragging in the past or if it is noticed that he/she has indulged in ragging, admission may be refused or he/she shall be expelled from the university.
- In case of ragging, please do not keep quiet, report it to the authorities immediately.
- It is mandatory for the parents to report immediately to the authorities of the university in case their wards inform them about ragging.

### STUDENTS' CODE OF CONDUCT

The students must strictly follow the code of conduct as laid down by the University from time to time. Violation of any clause by any student will attract disciplinary action as per the regulations.

## Important Functionaries of the University

NAME	DESIGNATION	EMAIL ID
W. Malemnganba Chenglei	Registrar	w.m.chenglei@gmail.com
Vivek Elangbam	Finance Officer	velangbam@gmail.com
Peter Salam	Assistant Registrar	petersalam@gmail.com
P. Shantikumar Singh	Assistant Registrar	pangambams@gmail.com
K. Kenish Sharma	Asst. Finance Officer	kenishsharma@gmail.com



**SECTION ONE**  
**The University**



MANIPUR TECHNICAL UNIVERSITY



# About the University

## Introduction

The Manipur Technical University was established on 23<sup>rd</sup> April, 2016 by an Act of the Government of Manipur –“The Manipur Technical University Act, 2016” (Manipur Act No. 8 of 2016). It is located at Takyelpat, Imphal West District, Manipur. The Manipur Technical University is the only technical university of the State of Manipur. All the technical institutions of the State are to be affiliated to the University in due course of time. At present the University offers B. Tech. courses in Civil Engineering, Electrical Engineering, Mechanical Engineering, Electronics & Communication Engineering and Computer Science and Engineering.

The University has engaged itself in the process of capacity building, both in terms of infrastructure and human resource development. The University has mounted tremendous efforts in developing it into a modern university incorporating all elements from the contemporary scientific and socio-cultural milieu. The University will have good laboratories, computing facilities, internet connectivity, a dedicated power supply system and a rich library having connectivity to several digital libraries. While students’ accommodation will be provided in separate gents and ladies hostels, several residential quarters will be built for accommodating teachers and non-teaching staff. Other basic amenities like Wi-Fi facility, Water supply, Campus security with CCTV cameras, Canteen, Gymnasium, Outdoor & Indoor Sports Facilities, Banks, etc. will be available to cater to the various needs of the University community.

The University attracts outstanding faculty members of different Departments from all across the country. Special efforts are made by the University to encourage the Faculty Members in conducting outstanding research. The University endeavours to collaborate with prestigious Industries to promote industry sponsored projects and meaningful research.

## Location

The university campus is located at Imphal, the capital city of Manipur at a distance of about 5 kms on the National Highway – 37 from the heart of Imphal City. The sprawling, serene and green University Campus provides the best of atmosphere including modern infrastructure conducive for dedicated research and learning. At present classes of all branches will be held at the campus of State Academy of training (SAT), Takyelpat and Government Polytechnic, Manipur.

## Facilities and Services

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The University has the following facilities and services for the students and research scholar:

### University Library

The University Library have a good collection of books which will be subsequently upgraded to a world class library with a large collection of books, periodicals and journals with many in electronic form. All the necessary books will be made available in the library. The catalogue of books and journals will be available for users for online access on the campus network.

### Computing Facilities

The University will have elaborate computing facilities accessible to the students and scholars. The computer facilities will be provided in a dedicated Computer Lab and the Library with common desktop applications and specialist software in the computers such as Microsoft Office, Microsoft Outlook, Quantitative Analysis & Qualitative Analysis software etc. There will also be a dedicated IT Help Desk for the benefit of Staff Members and Students. Computing Facilities with 24x7 internet facilities will be provided in the hostels.

### Residence Facility (Hostel Accommodation)

The University will have separate residence facilities (Hostels) for men and women to accommodate all the students. The Hostels will possess all the necessary modern amenities. At present hostel accommodation is provided to a limited number of students.

### Health Care

The University has a Health Centre to provide basic medical services with its own medical and paramedical staff. It is being planned to provide students with the benefit of a group health insurance scheme.

### Games and Sports

The University provides opportunities for students to excel in various departments of sports. The University will have facilities that include Indoor Stadium, Volleyball, Cricket and Football grounds with playing facilities under flood light and a well-equipped multi Gymnasium.

## Instruction Methodology

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The medium of instruction / examination in the University at all levels is English. In framing the courses, care has been taken to see that they are not burdened with formal lectures only. There is adequate provision for seminars, tutorials etc. to promote the habit of independent thinking and application of the concepts taught in the lectures. To relate theoretical knowledge to the practical field, proper measures are taken to conduct case studies and guided field works. Group Discussion is an integral part of teaching pedagogy to help the students in increasing their analytical capability and creativity.

## Training and Placement

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One of the unique features of the University is its commitment not only to produce quality manpower, but also to guide and shape the career of students. In order to meet this objective, the University will have a *Training and Placement Cell* which will act as the interface between the recruiting organizations and the University students. It will facilitate recruitment events on-campus as well as off-campus as required. It will also organize with the help of the Departments concerned various pre-placement training programmes to enhance the employability of the targeted students.

## Academic Calendar

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The university strictly adheres to a well-planned Academic Calendar specifying the schedule of academic activities. Detailed academic calendar will be made available in the University website as well as in the Departments.

## Course Registration and Attendance

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### Course registration

The Courses opted by the students in a particular semester are to be registered on the specified date(s). For newly admitted students, registration of Courses shall take place during the time mentioned in “Important Dates” in **Annexure -I** along with the admission formalities.

## Attendance requirement

All students must attend at least 75 % of the total classes of the course registered by him/her. However, to account for late registration, sickness or other such contingencies, the attendance requirement may be given some relaxation on production of valid documents/certificates. Students with deficiency in attendance in a course will not be allowed to appear in the Semester-end Examination except under relaxation mentioned above.

## Academic Session

An academic year of the University consists of two Semesters - Autumn (August to January) and Spring (February to July).

### Abridged Academic Calendar 2017-18 (Tentative)

First year

Semester	Commencement of classes	End of classes
First Semester	1 <sup>st</sup> August	30 <sup>th</sup> November
Second Semester	1 <sup>st</sup> January	30 <sup>th</sup> April

Second year onwards

Semester	Commencement of classes	End of classes
Odd Semester	15 <sup>th</sup> July	15 <sup>th</sup> November
Even Semester	15 <sup>th</sup> December	15 <sup>th</sup> April

*NOTE: Detailed academic calendar will be made available on the University website as well as in the Departments.*



**SECTION TWO**  
**Departments**

  
MANIPUR TECHNICAL UNIVERSITY

In this section, a brief idea on the Departments of the University is given.

For detailed information, the reader can visit the University website at [www.mtuonline.in](http://www.mtuonline.in) or [www.mtu.ac.in](http://www.mtu.ac.in) and follow the appropriate links of each Department.

## Civil Engineering

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The department of Civil Engineering of the Manipur Technical University is established in the year 2016 under the School of Engineering for offering B. Tech. Degree. The Department aims to provide quality educational research and professional experiences in many fields including design of steel structures, hydraulic structures, transportation engineering, hydrology and water resources engineering, geotechnical engineering, fluid mechanics, reinforced concrete design etc. The Department offers a 4 years B. Tech. Course in Civil Engineering with an intake of 30 students.

### Programmes offered

- 4 years B. Tech. Course in Civil Engineering.

## Computer Science and Engineering

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The Department of Computer Science and Engineering is established in the year 2016. The Department aims to provide quality educational research and professional experiences in the fields of computational theory, computer networks, network security, mobile computing, soft computing and data mining, natural language processing, workflow management, qualitative spatial reasoning, web services, rehabilitation robotics, and pattern recognition. The students will study courses in programming and data structures, digital logic design, computer organization and architecture, design and analysis of algorithms, microprocessors and applications, operating systems, computer networks, data management system, software engineering, computer graphics etc. The Department offers a 4 years B. Tech. Course in Computer Science and Engineering with an intake of 30 students.

### Programmes offered

- 4 years B. Tech. Course in Computer Science and Engineering

## Electronics and Communication Engineering

The Department of Electronics and Communication Engineering is established in the year 2016. This course has been designed with the aim to meet industrial requirements in the field of Electronics and Communication with emphasis on latest technological developments including semiconductor devices, microprocessors, network theory, analogue and digital electronics, digital signal processing, VLSI, industrial electronics, communication systems and networks, antenna design, microwave engineering, communication networks etc. The Department offers a 4 years B. Tech. Course in Electronics and Communication Engineering with an intake of 30 students.

### Programmes offered

- 4years B. Tech. Course in Electronics & Communication Engineering

## Electrical Engineering

The Department of Electrical Engineering is established in 2016. The Course has been designed with the aim to meet industrial requirements in the field of Electrical with emphasis on latest technological developments including power systems, energy conversion system, solid state devices, electrical measurement and instruments, microprocessors & microcontrollers, digital signal processing etc. The Department offers a 4 years B. Tech. Course in Electrical Engineering with an intake of 30 students.

### Programmes offered

- 4 years B. Tech. Course in Mechanical Engineering

## Mechanical Engineering

The Department of Mechanical Engineering is established in 2016 under the School of Engineering for offering B. Tech degree in Mechanical Engineering with special emphasis on turbo machines, manufacturing processes and systems, design of machine elements, fluid systems, automobile engineering, refrigeration and air conditioning, industrial engineering and mechanical vibration etc. The Department offers a 4 years B. Tech. Course in Mechanical Engineering with an intake of 30 students.

### Programmes offered

- 4 years B. Tech. Course in Mechanical Engineering



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**SECTION THREE**  
**Admission Procedure**



MANIPUR TECHNICAL UNIVERSITY

## Distribution of Seats for B. Tech (First Semester), 2017-18

Sl	Name of the Branch	No. of seats						Total
		UR	OBC			SC	ST	
			Meitei	Meitei Pangal	Nepali/ Teli			
1	Civil Engineering	14	05	01	Nil	01	09	<b>30</b>
2	Electrical Engineering	14	05	01	Nil	01	09	<b>30</b>
3	Mechanical Engineering	14	05	01	Nil	01	09	<b>30</b>
4	Electronics & Communication Engineering	14	05	01	Nil	01	09	<b>30</b>
5	Computer Sc. & Engineering	14	05	01	Nil	01	09	<b>30</b>

**Note: 01 seat is reserved for PWD (Locomotor disability)**

### Eligibility for Admission

Applicants seeking admission to the B. Tech. Degree programmes must have passed the Higher Secondary School Examination or equivalent Class 12<sup>th</sup> examination conducted by a recognized Central / State Board with Physics, and Mathematics as compulsory subjects along with one of Chemistry / Biotechnology / Biology / Technical Vocational subject. The candidate should also have obtained at least 45% marks (40% in case of candidate belonging to reserved category) in the above subjects taken together. Qualification certificate/ Mark Sheet will be the proof for passing of the Examination.

The candidates should have also appeared in JEE (Main), 2017.

Relaxation in requisite eligibility for SC/ST/OBC/PWD candidates shall be followed as per State Government Rules.

### Date of Birth

Only those candidates whose date of birth falls on or after 31.07.1992 are eligible for admission. For SC/ST and Persons with Disabilities (PWD) candidates, upper age limit is relaxed by 5 years. Date of birth as recorded in the Secondary Education Board certificate will only be considered.

## Selection Procedure

Selection of candidates in different streams will be done on the basis of their preferences in the application form and the score they get in JEE (Main) 2017.

*Canvassing in any form to obtain a seat will lead to disqualification of the candidate.*

Faculty	Department	Qualification
ENGINEERING	1. Civil Engineering,	Class XII Passed with Physics and Mathematics as compulsory subjects along with one of Chemistry / Biotechnology / Biology / Technical Vocational subject. The candidate should also have obtained at least 45% marks (40% in case of candidate belonging to reserved category) in the above subjects taken together. Appeared in JEE (Main), 2017
	2. Computer Science & Engineering,	
	3. Electronics and Communication Engineering,	
	4. Mechanical Engineering	

Seats are reserved for SC/ST/ OBC and Person with Disability (PWD) candidates as per State Government rules.

## Short-listing

The list of shortlisted candidates selected for admission on the basis of the preference/priority of branches as found in the application form shall be displayed in the notice board and also uploaded in the University website after the last date of application.

## Admission

The tentative schedule of Course Registration and Admission is given in **Annexure I**. Selected candidates should get admitted to the concerned programme by paying all fees as per schedule. The candidate's presence at the time of verification of testimonials etc., course registration and hostel admission is essential. The fee structure is given in **Annexure-II**. The selected candidates will have to produce all relevant documents in original at the time of admission.

### Refund of Caution Deposit

Refund of caution money shall be made to a student after his/her release from the University. The claim for refund of caution money shall not be entertained beyond a period of one year from the date of release of the student. The caution money shall not be refunded if a student leaves the programme without permission and/or does not join and attend any class after admission. Refund of caution money shall be made against application in prescribed form and production of Release Order.

## How to Apply

Eligible candidates can apply online for admission in the website [www.mtuonline.in](http://www.mtuonline.in) or [admission.mtuonline.in](http://admission.mtuonline.in). They may apply offline also by submitting duly filled application form to the office of the Registrar Manipur Technical University, 2<sup>nd</sup> Floor, Secured Office Building, North AOC, Imphal on or before the last date. The application form may be downloaded from the website [www.mtuonline.in](http://www.mtuonline.in) or [www.mtu.ac.in](http://www.mtu.ac.in). They have to pay an application fee of Rs. 400/- (for Gen/OBC) and Rs. 200/- (for SC/ST) respectively. They can pay the fee either online or offline (in DD or cash). Demand Draft should be drawn in favour of “Manipur Technical University” and payable at Imphal.

### Documents to be submitted along with the application form

1. Self-attested photocopy of Certificate of High School Leaving Certificate (HSLC) Examination or equivalent Class 10<sup>th</sup> Examination (As proof of Date of Birth).
2. Self-attested photocopy of Mark Sheet of High School Leaving Certificate (HSLC) Examination or equivalent Class 10<sup>th</sup> Examination.
3. Self-attested photocopy of Mark Sheet of Higher Secondary School Leaving Certificate (HSSLC) Examination or equivalent Class 12<sup>th</sup> Examination.
4. Details of Fees Paid.
5. SC/ST/OBC/Person with Disability (PWD) Certificate (if applicable). A copy of such Certificate is mandatory in case the applicant/candidate wants to claim seat under the respective reserved category.
6. JEE (Main) 2017 score card.



# SECTION FOUR

# Annexures



MANIPUR TECHNICAL UNIVERSITY

## ANNEXURE – I

### Important Dates

Sl.	Event (s)	Date (s)
1	Issue of Application Forms & receipt of <b>online &amp; offline</b> application forms for students with JEE(Main) score card	31 <sup>st</sup> May to 20 <sup>th</sup> June <b>(21 days)</b>
2	Publication of the list of selected students based on JEE (Main), 2017 score for admission	22 <sup>nd</sup> June
3	Admission of the selected students based on JEE (Main), 2017 score	23 <sup>rd</sup> June to 7 <sup>th</sup> July <b>(15 days)</b>
4	Issue & receipt of forms from students without JEE (Main), 2017 score card <b>(in case of availability of vacancies)</b>	8 <sup>th</sup> July to 19 <sup>th</sup> July <b>(12 days)</b>
6	Entrance Test for admission to vacant seats in B. Tech.-1 <sup>st</sup> semester	23 <sup>rd</sup> July (Sunday)
7	Publication of the result of the entrance test	25 <sup>th</sup> July
8	Admission of selected students through entrance test	25 <sup>th</sup> July 31 <sup>st</sup> July <b>(7 days)</b>
9	Commencement of classes for 1 <sup>st</sup> semester	1 <sup>st</sup> August

## ANNEXURE – II

### Fee Structure for Admission

#### Academic Fees:

SL. NO.	ITEMS	1 <sup>ST</sup> SEM FEE (₹)	2 <sup>ND</sup> SEM FEE (₹)	3 <sup>RD</sup> SEM FEE (₹)	4 <sup>TH</sup> SEM FEE (₹)
1	Admission fee (one - time)	1000	-	-	-
2	Tuition Fee *	16000	16000	16000	16000
3	Institution Development fee	6000	6000	6000	6000
4	Students activity fee	1000	1000	1000	1000
5	Medical facility fee	1200	-	1200	-
6	Caution Money (Refundable)	5000	-	-	-
7	ID fee	300	-	-	-
8	Library and Laboratory Fee	1000	-	1500	-
9	Degree Certificate Fee	-	-	-	-
	<b>Total</b>	<b>31500</b>	<b>23000</b>	<b>25700</b>	<b>23000</b>

*\* A concession of 1/3rd of Tuition Fee is given for ST/SC students.*

## Residence Fees:

SL. NO.	ITEMS	1 <sup>ST</sup> SEM FEE (₹)	2 <sup>ND</sup> SEM FEE (₹)	3 <sup>RD</sup> SEM FEE (₹)	4 <sup>TH</sup> SEM FEE (₹)
1	Residence Admission fee (one time)	1000	-	-	-
2	Hostel rent	2500	2500	2500	2500
3	Electricity and water charge	1500	1500	1500	1500
4	Hostel caution money (Refundable)	5000	-	-	-
5	Mess charge	13000	13000	13000	13000
	<b>Total</b>	<b>23000</b>	<b>17000</b>	<b>17000</b>	<b>17000</b>

*The University will follow the above fee structure. However, changes may be there in it due to unavoidable circumstances. In such a case, notification will be made available on the University Notice Board and Website.*