

NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA

An Institute of National Importance

B.Tech Information Brochure



Established in 2010

Institute Rank: Done by National Institutional Ranking Framework, MHRD

57 among all Engineering Institutes in India

15th Among all 31 NITs

1st Among all new 11 NITs

1st Among all 31 NITs (Based on Teaching-Learning-Resources)

Information Brochure has been prepared by compiling some useful information for the benefit of the candidates seeking admission in NIT Meghalaya. For detail information, it is suggested to visit Institute website: www.nitm.ac.in

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NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA
Information Brochure

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Chapter-1

The Institute

The National Institute of Technology (NIT) Meghalaya is one among the thirty NITs in India established under the NITSER Act 2007 (Amended 2012) of the Parliament of India as Institutes of National Importance with full funding support from the Ministry of Human Resource Development, Government of India.

1.1 Vision, Mission & Guiding Principles:

Vision:

A Centre of Excellence vibrant with academic activities and bubbling with youthful creative energy, making significant contribution to the World of Knowledge and Technology and to the Development of the State, the Region and the Nation.

Mission:

- To impart quality education in the fields of Engineering, Science and Technology at Undergraduate as well as Postgraduate levels with special attention to encourage innovation and creativity in these fields in a clean and healthy environment.
- To engage in creation of knowledge and development of technologies through effective research programs.

Guiding Principles:

- *Every entity deserves respect; responsiveness, fairness and transparency are keys to it.*
- *Role of an academic institution is to enable unhindered exchange of knowledge.*
- *True education promotes the spirit of enquiry.*
- *Nurturing of talent and promotion of creativity must for achieving excellence.*
- *Learning is a lifelong process.*
- *Examination and evaluation processes are tools to enable better learning, not the ends.*
- *Every effort should be made to take the benefit of science and technology to the poor and underprivileged.*
- *Rural development is must for balanced development of the nation.*
- *Protection of the environment must get priority.*

1.2 Why NIT Meghalaya:

National Institute of Technology (NIT) Meghalaya is a new Institute established in the year 2010. It completes six years of its existence this year. It has so far produced two batches of B. Tech graduates and the third batch is about to graduate. The first batch of M. Tech is graduating this year. A couple of Ph D scholars are also about to submit their thesis.

From the outset the endeavor of the Institute has been to provide the students with an environment and opportunities to train and equip themselves with knowledge and expertise in their chosen fields and bring to the fore their inherent talents. The focus of the Institute has been to enable the process of learning. Efforts have been made to keep the curricula open enough not to bind the students to narrow boundaries. The role of the faculty in the institute has been envisaged as friend-philosopher-guide and not just tutors.

It is still a very young Institute. But it has been able to prove its potential. This year, in the national ranking done by National Institutional Ranking Framework (NIRF), MHRD, NIT Meghalaya has secured the 15th position among the 31 NITs and the top position among the 11 new NITs.

The placement record of the Institute has been pretty good. For the three batches of B Tech graduates the Institute has been able to achieve a placement record of 96% for those qualifying as per the recruiters' norms. There have been a good number of our students qualifying in competitive examinations such as GATE.

The M. Tech students have been performing very well. The research oriented curricula and the provision of extensive project works have resulted in the M. Tech students publishing papers in reputed international journals and presenting their works in international conferences.

The Institute faculty members are young, but very well qualified having received their training from premier institutions within the country and abroad. We have been able to maintain close to *10:1 Student : Faculty* ratio so that every student gets good attention and necessary care.

The development work of the Permanent Campus of the Institute is making rapid progress and the Institute hopes to occupy it in 2017. With that the Institute will overcome the constraints of a temporary campus.

NIT Meghalaya is committed to continue taking good care of its students. The Institute is now ready to welcome a new batch of talents to its fold.

1.3 Authorities, Administrative Heads:

1.3.1 Authorities:

Visitor: President of India

Board of Governors:

1. Professor D. K. Basu, Chairman.
2. Director, IIT Guwahati, Member.
3. Prof. P. K. Bora, Department of EEE, IIT Guwahati, Member
4. Prof. P. S. Choudhury, Dept. of Civil Engineering, NIT Silchar, Member.
5. Shri W. Roy, Managing Director, Meghalaya Power Carriers Pvt. Ltd., Shillong, Member
6. Shri R. D. Shira, FIE, Director (Retd.), Bongaigaon Refinery and Petroleum Ltd., Tura, Member
7. Additional Secretary, Department of Higher Education (TE), MHRD, GoI, Member
8. Financial Adviser, Department of Higher Education (TE), MHRD, GoI, Member
9. Prof. D. K. Saikia, Director, NIT Meghalaya, Member.
10. Registrar, NIT Meghalaya, Secretary

Senate:

1. Prof. D. K. Saikia, Director, NIT Meghalaya, Chairman
2. Professor R. Sirohi, Former Director, IIT Delhi, Member
3. Prof. P.K. Basu, Retd. Professor, Institute of Radio Physics & Electronics, University of Calcutta, Member
4. Prof. P. Mujumdar, Dept. of Civil Engineering, IISc Bangalore, Member
5. Prof. P. Mahanta, Dept. of Mechanical engineering, IIT Guwahati, Member
6. Dr.(Mrs.) M.P.R. Lyngdoh, Former Principal, Shillong College, Member
7. Dr. P. Bharali, Former Director (Operations), Oil India, Member
8. Professors of NIT Meghalaya, Member
9. Deans and Heads of the Departments, Special Invitees
10. Registrar, NIT Meghalaya, Secretary

Finance Committee:

1. Prof. D. K. Basu , Chairman
2. Prof. D. K. Saikia, Director, NIT Meghalaya, Member
3. Prof. P. K. Bora, Department of EEE, IIT Guwahati, Member
4. Shri W. Roy, Managing Director, Meghalaya Power Carriers Pvt. Ltd., Shillong, Member
5. Joint Secretary (TE) or his Nominee, Department of Higher Education, MHRD, GoI, Member
6. Finance Adviser, MHRD or his nominee, Member
7. Registrar, NIT Meghalaya, Secretary

Building & Works Committee:

1. Prof. D. K. Saikia, Director, NIT Meghalaya, Chairman
2. Director (NITs), MHRD, GoI, Member
3. Prof. S. K. Deb, Dept. of Civil Engg, IIT Guwahati, Member
4. Mr. C. D. Saio, Technical Adviser to the Govt. of Meghalaya (Power Department), Member
5. Mr. E. B. Kharmujai, Additional Chief Engineer (EZ), MePDL, Shillong, Member

6. Mr. W. Marbaniang, Superintendent Engineer (Design),
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7. Registrar, NIT Meghalaya, Secretary

1.3.2 Administrative Heads:

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1.4 How to reach NIT Meghalaya

Address:

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How to Reach Shillong by Air:

To reach Shillong by Air one has to take a flight to Gopinath Bordoloi Airport, Guwahati, Assam. From there one can reach Shillong in three hours by hiring Taxi (Rs. 2000/- per car, approx.)/Shared Taxi (Rs. 500/- per passenger, approx.).

How to Reach Shillong by Rail:

The nearest railway station is Guwahati. From the railway station, one can travel by bus or shared taxi (Rs. 150/- to Rs. 300/- per passenger) to Shillong. It takes about 3 hours to reach Shillong.

Reaching the campus:

After reaching Shillong, one can hire a local taxi (~ Rs. 100/- fare) to reach the campus at Bijni Complex, Laitumkhrah.

Chapter-2

Departments

Presently there are nine academic Departments. These are: (i) Civil Engineering, (ii) Computer Science and Engineering, (iii) Electronics and Communication Engineering, (iv) Electrical Engineering, (v) Mechanical Engineering, (vi) Physics, (vii) Chemistry, (viii) Mathematics and (ix) Humanities and Social Sciences.

2.1 Departmental Laboratory Facilities

All the academic Departments are well equipped with UG, PG and Research level laboratory facilities. Some of the State-of-art laboratory facilities of various Departments are given below:

Electronics and Communication Engineering:

- Basic Electronics Lab
- Device & Circuit Lab
- Digital Design lab
- Microprocessor lab
- Digital & Analog Communication lab
- Fiber optics & Microwave Lab
- VLSI Design Lab
- Low Power VLSI Lab
- Research Lab
- Digital System Design Lab

Electrical Engineering:

- Basic electrical & electrical technology lab.
- Network analysis lab.
- Digital logic design lab.
- Measurement & instrumentation lab.
- Electrical machines lab.
- Control system lab.
- Microprocessor & embedded system lab.
- Power system & switchgear-protection lab.
- Power electronics lab.
- Electrical drives lab.

Computer Science and Engineering:

- Computing Lab
- Network Lab
- Wireless Sensor Networks Lab
- High Performance Computing Lab
- Embedded Systems Lab

- HP Centre of Excellence for Software Engineering, Cloud Computing and Network Security
- Real-time Operating Systems (RTOS) Laboratory with VxWorks Architectural Simulation Laboratory with Simics

Mechanical Engineering:

- Fluid mechanics Lab
- Strength of Material Lab
- Theory of Machine Lab
- Computational Lab
- Thermal Science Lab
- Material Science
- Metrology and Instrumentation Lab
- Advanced Manufacturing
- Machine Shop
- Fitting Shop
- Carpentry Shop
- Welding Shop
- Tool Room Shop

Civil Engineering:

- Environmental Engineering Lab
- Fluid Mechanics Lab
- Geotechnical Engineering Lab
- Surveying Lab
- Transportation Lab
- Structural Lab

Chemistry:

- PG & Research Lab
- Chemistry Lab

Mathematics:

- Computing Laboratory

Physics:

- B. Tech Lab
- M. Sc Lab
- Research Lab

Humanities and Social Science

- Language Lab

2.2 Faculty Members and Staff

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Civil Engineering

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Chemistry

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3	Dr. Kasilingam Senthilkumar, PhD(Shimane University, Japan)	Assistant Professor	akskumar@nitm.ac.in
4	Dr. Tribedi Bora, Ph.D.(IIT Guwahati)	Assistant Professor	t.bora@nitm.ac.in
5	Dr. Vivek kumar, PhD(IIT Delhi)	Assistant Professor	vivekkumar@nitm.ac.in
6	Dr. Wandahun Longtra Reenbohn, PhD(NEHU, Shillong)	Assistant Professor	wlreenbohn@nitm.ac.in
Staff Details			
	Name of the Staff	Designation	Email id

1	Mr. Pynshailang Walbert Khongsit, M.Sc	Laboratory Assistant	heimashai@gmail.com
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Humanities and Social Sciences

Faculty Details			
Sl. No.	Name of the Faculty	Designation	Email id
1	Dr. Paonam Sudeep Mangang, PhD(Manipur University)	Assistant Professor Head of the Department	paonam.sudeep@nitm.ac.in
2	Mr. Amal Dev Sarma, MBA (NIT Durgapur), PhD (Pursuing at NIT Meghalaya)	Assistant Professor	amal.sarma@nitm.ac.in
3	Dr. S. K. Dutta, PhD (IIT Kanpur)	Visiting Professor	sujitkumar.dutta@nitm.ac.in

Chapter-3

Academics

3.1 Academic bodies & Committees:

The Senate:

- The highest Academic Body for Formulating the Academic Policies, Planning Academic Programmes, Approving Curriculum.

Academic Programmes Committee (APC):

- The Academic Programmes Committee(APC) constituted by the Senate.
- One faculty member from each department as member and the Dean of Academic Affairs (DAA) as its Chairman.
- The APC assists the Senate in Formulating the Academic Policies, Planning Academic Programmes, Preparing the Curriculum and Syllabi.

Departmental Advisory Committee (DAC):

- Each department has a Departmental Advisory Committee with the Head of the Department as its Chairman.
- All the faculty members of the department are its members,
- A faculty member from another department is its external member.
- Departmental decision making body.
- Proposes new programmes, courses and prepare syllabi etc.

Academic Probation Committee:

- Each Department has an Academic Probation Committee with the HoD as its Chairman
- Two other faculty members of the department are Members.
- This Committee monitors the status of the students of the department under academic probation and provide counselling.

Students Appeal Committee:

- Each department has a Students Appeal Committee constituted by the Director with three faculty members of the department.
- In case a student is not satisfied with the explanation given by the teacher on the grade assigned to him/ her in a course, he/ she may approach the Students Appeal Committee with his/ her grievance.

3.2 Programmes Offered:

The Institute currently offers **B. Tech. & M. Tech Programmes** in five disciplines namely Electronics and Communication Engineering, Electrical Engineering, Computer Science Engineering, Mechanical Engineering and Civil Engineering , **M.Sc Programme** in Physics,

Chemistry & Mathematics and **PhD. Programme** in Engineering, Science and Humanities disciplines

The Institute shall soon start UG/ PG Programmes in various other disciplines that are of relevance to the State and the Region. It shall always strive to provide the best environment for learning and research. Endeavour shall be to imbibe the spirit of creativity and entrepreneurship in its students.

Programme	Department	Specializations	Intake capacity	Starting Year
B. Tech	Computer Sc. and Engineering	Software Engineering, Digital Systems, Networks, System Verification, Image Processing	30 each	2010
	Electronics and Communication Engineering	VLSI, Communication, Image Processing, Speech Processing		2010
	Electrical Engineering	Power Systems, Machines & Drives, Power Electronics, Instrumentation & Control		2010
	Civil Engineering	Structural Engineering, Water Resources, Geo-techniques, Environment Engineering		2013
	Mechanical Engineering	Fluids and Thermal Engineering, Machine Design, Manufacturing		2013
M. Tech	Computer Sc. and Engineering	Digital Systems, Networks, Formal Verification	20 each	2014
	Electronics and Communication Engineering	VLSI, Communication		2014
	Electrical Engineering	Power and Energy Systems		2014
	Mechanical Engineering	Fluids and Thermal Engineering	15 each	2015
M. Sc	Physics		16 each	2015
	Chemistry			
	Mathematics			
Ph. D	All Departments	As per expertise of the faculty members		2013

3.3 Credit Requirement:

A well defined curriculum structure for each of the academic programmes in the Institute is followed.

The curriculum structure specifies the following:

- The minimum credit requirements of the programme in total, for the core courses, and for the different categories of electives. The lists of the courses under the different categories specifying the credit, contact hour load in terms of L-T-P (Lecture, Tutorial, Practical) breakup and the prerequisite(s) of each course.

- **B. Tech Programme Credit Requirements:**

Minimum Credit Requirement	: 170
Science Courses (Minimum)	: 31
Engineering Core Courses (Minimum)	: 20
Departmental Core Courses (Minimum)	: 53
Departmental Elective Courses (Minimum)	: 20
Project Work	: 12
Humanities, Social Sc. & Management (Minimum)	: 14
<u>Open Elective Courses (Min)</u>	<u>: 20</u>
Total-	:170

3.4 Course Registration

- **Pre-registration counselling:**

- ✓ Course advisors of each Department advise students on selecting elective courses.
- ✓ Academic probation committee send their report to the advisors before counselling.
- ✓ Each of the students fills-up a pre-registration form indicating the courses he/ she intends to register for in that semester.

- **Enrolment:**

- ✓ At the beginning of every semester a student shall enrol himself/ herself by filling-in the prescribed Enrolment cum Course Registration Card and paying the prescribed fee.
- ✓ A student is allowed to make changes in the list of registered courses up to a date specified in the Academic Calendar.

3.5 Lesson Plan & Evaluation Systems:

The faculty member(s) who is (are) assigned to teach a course in a semester prepares a lesson plan and an evaluation plan for the course which is presented before the DAC or a Sub Committee constituted by it before the commencement of the semester. The lesson plan consists of the class wise list of the topics to be covered, the books to be followed and the list of experiments to be carried out. The evaluation plan for a course specifies the evaluation components for the course during the semester with their weights. The lesson plan and the evaluation plan for each course is made available to students by the concerned faculty within the first week of commencement of the semester. The evaluations plans of each of the courses offered is notified by the concerned Head of the Department.

The evaluation process is of continuous in nature and done as follows:

- **Evaluation plan:**

- ✓ The evaluation plan for each course is *made available* to students by the concerned faculty *within the first week of commencement of the semester*.
- ✓ The evaluation plan includes one end-term and one mid-term examination and also unit tests, quizzes, home assignments, term papers, term projects, seminars etc.

- **Transparent evaluation system:**

Answer scripts are evaluated within a week and those are shown to students and results are declared within two weeks of completion of the end-term examinations.

- **Students' Appeal Committee:**

In case a student is not satisfied with the explanation given by the teacher on the grade assigned to him/ her in a course, he/ she may approach the Students Appeal Committee with his/ her grievance.

Relative grading is followed for the grading of the students. The following Letter Grades are assigned based on performance of a student in a course-

Letter Grade	Grade Point	Description
AA	10	Outstanding
AB	9	Excellent
BB	8	Commendable
BC	7	Very Good
CC	6	Good

CD	5	Average
DD	4	Marginal
FF	0	Poor

- **Submission of Grades:**

The teacher concerned submits the final grades of the students for a course to the office of the Dean(Academic) through the Head of the Department within one week of completion of the end term examination of the course.

- **Transparency in Grading:**

- ✓ The course instructor displays the grades with the detailed break-up of marks on the departmental notice boards for viewing by the students.
- ✓ Students are allowed to see their answer scripts.

The Institute Website (www.nitm.ac.in) may be referred for complete information on Academic rules and regulations placed under the head of Regulations and Acts.

Chapter-4

Admissions

4.1 Admission Process for Different Programmes

B. Tech: Through central counselling (CSAB) based on JEE (main) score.

M. Tech: Through central counselling for admission in M. Tech.etc. (CCMT) based on GATE score.

M. Sc: Through Entrance test conducted by the Institute.

4.2 Minimum qualification requirement for admission to various degree programmes:

B. Tech : As per MHRD norms (50% (45% for SC/ST) in class XII (Sc.)).

M. Tech: BE/ B. Tech. in relevant branch of engineering or a Masters Degree in Science in relevant discipline/ Computer Application with at least 60% marks or equivalent grade and a valid GATE score.

M. Sc : Bachelors degree in appropriate discipline with at least 60% marks or equivalent grade.

Ph. D : 60% in M. Tech/ M. Sc/ MBA/ MCA; 55% in MA; 75% in B. Tech with valid GATE score.

4.3 Admission Information for B. Tech Programme

4.3.1 Programmes Offered:

1. B. Tech in Computer Science & Engineering
2. B. Tech in Electronics & Communication Engineering
3. B. Tech in Electrical and Electronics Engineering
4. B. Tech in Mechanical Engineering
5. B. Tech in Civil Engineering

4.3.2 Admission Procedure:

Admission to the B. Tech program in the Institute are based on the JEE (main) examination and through the counseling conducted by Joint Seat Allocation Authority (JoSAA) for B. Tech Admissions.

4.3.3 Reservations

✓ **B. Tech Programme:**

50% seats for Home States and 50% seats for other States; For home state quota State Reservation Policy for admissions is followed and admissions for the rest are as per Central Reservation Policy for admissions.

✓ **M. Tech/ M. Sc/ PhD—**As per Central Reservation Policy for admissions.

4.3.3 Seat Matrix

Reservation matrix

Seat Matrix for B. Tech Admissions through CSAB										
National Institute of Technology Meghalaya										
State	Branch	OP	OPPH	SC	SCPH	ST	STPH	OBC	OBCPH	Total
Other State Quota (50%)	CSE	8	0	2	0	1	0	4	0	15
	ECE	7	1	2	0	1	0	4	0	15
	EEE	7	0	3	0	1	0	3	1	15
	MEC	8	0	2	0	1	0	4	0	15
	CIV	7	0	2	0	2	0	4	0	15
	Total	37	1	11	0	6	0	19	1	75
Home State Quota (50%)	CSE	2	0	1	0	11	1	0	0	15
	ECE	3	0	0	0	12	0	0	0	15
	EEE	2	0	1	0	12	0	0	0	15
	MEC	2	0	1	0	11	1	0	0	15
	CIV	2	0	1	0	12	0	0	0	15
	Total	11	0	4	0	58	2	0	0	75

4.3.4 Contact Details

- i) Admission in-charge : Dr. S. Das, Email: admissions_ug@nitm.ac.in,
Mobile: 9485177055
- ii) Deputy in-charge : Dr. R. Sarma
- iii) AR (Acad) : Ms. A. Rai (ar.acad@nitm.ac.in)

4.4 B. Tech

(Autumn Semester, 2016)

Sl. No.	Particulars	Periodicity	Amount (Rs.)
Institute Fees:			
1.	Identity Card Fee	One Time	150/-
2.	Certificate Fee	One Time	100/-
3.	Students Welfare Fund	One Time	250/-
Sub_Total of 1 to 3:			500/-
4.	Tuition Fees (Waived for SC/ST&PH)*	Per Semester	62,500/-
5.	Examination Fee & Grade Card	Per Semester	600/-
6.	Admission/Enrollment Fees	Per Semester	600/-
7.	Library Fees	Per Semester	300/-
8.	Laboratory and Internet Fees	Per Semester	2000/-
Sub_Total of 4 to 8:			66,000/-
Caution Deposits: (Refundable)			
9.	Institute	One Time	2000/-
10.	Hostel (for Hostellers Only)	One Time	1000/-
Sub_Total of Caution Deposits			3000/-
Hostel Dues: (For Hostellers Only)			
11.	Admission Fee	One Time	500/-
12.	Hostel Seat Rent	Per Semester	2,000/-
13.	Electricity & Water Charges	Per Semester	1,000/-
14.	Mess Advance (To be adjusted with the actual bill amount at semester end.)	Per Semester	16,000/-
Sub_Total of Hostel Dues			19,500/-

***Fee Waiver for Non-SC/ST/PH Students :**

(a) The most economically backward students (whose family income is less than ₹1.00 lakh per annum) shall get full remission of the fee.

(b) The other economically backward students (whose family income is between ₹1.00 lakh to ₹ 5.00 lakh per annum) shall get remission of 2/3rd of the fee.

4.4 General Guidelines

- Candidates appears JEE (main).
- Counselling: Through Central Counselling (JoSSA) based on JEE (main) score. After JEE results are out, eligible candidates register at JoSAA website. Candidates mention their preference (Choice filling) of Institutes/ programmes while registering at JoSAA. Candidates visit nearby resource/Help centre.
- Candidates are finally allotted seats by JoSAA.
- Once the seat allocation is done, students visit the respective allotted Institute within the dates mentioned by JoSAA for admission failing which the admission stands withdrawn. Follow the admission process of the Institute where you are allotted.
- NOTE: For Detail process please visit Joint Seat Allocation Authority (JoSAA) website

Scholarship, Awards, Medals

5.1 Scholarships

Eligible B. Tech & M. Sc students can apply for scholarships offered by the State and the Central Government and by various other sources. The Institute Scholarship can be availed by eligible B. Tech students from 2nd Semester onwards.

M. Tech students and eligible PhD scholars admitted to the Programme are entitled to receive MHRD scholarship as applicable.

Following are the scholarships issued by NIT Meghalaya as per Ordinance VI of the Institute

a. Merit Scholarship:

1. A scholarship of 40% of the tuition fee amount is awarded to top 5% B. Tech students in a batch based on the CGPA achieved in the previous semester.
2. The scholarship is awarded from the 2nd semester onwards up to the 8th semester.
3. To be eligible the student must secure a CGPA of 8.5 or above.
4. A student receiving the scholarship for the entire duration of the programme starting from the 2nd semester shall be awarded a certificate of merit.

Starting from Spring Semester 2014 till Autumn Semester 2015, total 54 students have been awarded this scholarship. Selection process for Spring Semester 2016 is ongoing.

b. Merit cum Means Scholarship:

1. A scholarship of 40% of the tuition fee amount is awarded to up to 5% of the B. Tech students in every batch who come under the non-creamy layer and are able to maintain a CGPA of 7.0 or above.
2. The scholarship is awarded from the 2nd semester onwards up to the 8th semester.
3. Annual Income of the parents should not exceed 4.5 lacs per annum.

*Eligible students will be invited to apply for McM scholarship after every End Term Examination.

Starting from Spring Semester 2014 till Autumn Semester 2015, total 40 students have been awarded this scholarship. Selection process for Spring Semester 2016 is ongoing.

5.2 Awards & Medals

1. Institute Gold Medal:

The Institute Gold Medal is awarded annually to one outgoing student of each discipline in each of the programmes who secures the highest CGPA among the eligible candidates in his/her batch (Reference-Ordinance VI uploaded in the Institute Website)

To be eligible for the award the student must satisfy the following conditions:

- i. Should have secured a CGPA of at least 8.5.
- ii. Must have completed the programme within the minimum stipulated period.
- iii. Should not have been under academic probation during the programme.
- iv. Should not have any record of disciplinary action during the programme.

2. President's Gold Medal:

The President's Gold Medals, one for each programme, shall be awarded annually to the student adjudged best on overall performance in academic and co-curricular activities. (Reference-Ordinance VI uploaded in the Institute Website)

Eligibility Conditions:

- i. Should have secured a CGPA of at least 8.5.
- ii. Must have completed the programme within the minimum stipulated period.
- iii. Should not have been under academic probation during the programme.
- iv. Should not have any record of disciplinary action during the programme

5.3 Assistance in availing Educational Loan

Institute assists in availing Educational Loan from Banks by providing necessary certificates.

The Central Government is implementing the Central Sector Plan Scheme titled "Scheme on Interest Subsidy on Educational Loans from scheduled Banks for professional education of students from economically weaker sections" for providing full interest subsidy during the period of moratorium (i.e. duration of a recognised professional course plus one year) on educational loans availed by students belonging to economically weaker sections whose annual income is not more than Rs. 4.5 lakhs. The Government has also recently notified the Credit Guarantee Fund Scheme for Education Loans (CGFSEL) to mitigate the risks and provide guarantee for educational loans taken under the Indian Bank's Association (IBA) Model Educational Loan Scheme.

Students are advised to talk to Bank for availing the loan under the above mentioned schemes.

5.4 Support for Presenting Papers in Conferences

- Institute encourages students to get involved in research and innovative project works and provides assists with necessary support.
- Students are provided support for presenting works/ papers in National level Events/ Conferences.

Chapter-6

Achievements

6.1 A Chronology of Notable Events

2010	- NIT Meghalaya started at Surat with SVNIT, Surat as the Mentor Institute.
July 2010	- B. Tech Programme started in the 3 disciplines of CSE, ECE and EEE with intake of 30 each. - 87 students took admission in the 1st batch.
Nov. 2011	- Institute starts functioning in the home state from a temporary office in Laitumkhrach, Shillong.
July 2012	- Institute starts academic activities in Shillong from its temporary campus in the Bijni Complex, Laitumkhrach, Shillong.
Oct. 2012	- HRM lays the Foundation Stone of the Institute at the permanent campus site at Cherrapunjee.
July 2013	- B. Tech programme started in 2 new disciplines of Mechanical Engineering and Civil Engineering with intake of 30 each. Total intake increased to 150. - Ph. D programme started; 1st batch of 10 scholars joined the programme.
February, 2013	- First Sports and Cultural Festival Shisir Organized
October, 2013	- First Technical Festival Cognitia Organized
June 2014	- 1st Batch of 83 students completed B. Tech programme.
July 2014	- M. Tech programme started in the 3 disciplines of CSE, ECE and EE (Power & Energy Systems) with intake capacity of 20 each.
1 st Nov. 2014	- 1st Convocation of NIT Meghalaya conducted.
8-9 May, 2015	- External Academic Audit carried out by a 14 member Committee consisting of Prominent Academicians and Industry Representatives.
July 2015	- M. Tech programme started in 2 more disciplines of CE and ME with intake capacity of 15 each. - M. Sc programme started in the 3 disciplines of Physics, Chemistry and Mathematics with intake capacity of 16 each
19 th Oct. 2015	- 2 nd Convocation of NIT Meghalaya conducted.
1 st Apr. 2016	- 1 st Institute Day celebrated.

4 th Apr 2016	<ul style="list-style-type: none"> - Institute placed at 57 rank (among all Engineering Inst.) by NIRF, MHRD. - 15th position among the 31 NITs and the top position among the 11 new NITs.
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6.2 Students' Achievements

2012-13 AY	- North East Regional Debate Competition 2013(G1)	- 1 st position
	- North East Regional Debate Competition 2013(G2)	- 1 st position
2013-14 AY	- Robotryst (national robotics championship)	- 1 st Position
	- Strategism (E-cell event, National)	- 1 st Position
	- Golden Tower (National Robotics event)	- 1 st Position
2014-15 AY	- Inter NIT Debate and Quiz Competition 2015(G1)	- 1 st Position
	- Inter NIT Debate and Quiz Competition 2015(G2)	- 1 st Position
	- Inter NIT Debate and Quiz Competition 2015(G3)	- 1 st Position
2015-16 AY	- All India e-Yantra Robotics championship	- 1 st Position
	- 34 th , 169 th AIR Rank in GATE exam	

6.3 Achievements in Research

2012-13 FY	- 1 sponsored Research Project
	- 19 Journal & Conference Publication in 2012
2013-14 FY	- 1 sponsored Research Projects
	- 37 Journal & Conference Publication in 2013
2014-15 FY	- 6 sponsored Research Projects
	- 6 Consultancy Projects
	- 48 Journal & Conference Publication in 2014
2015-16 FY	- 9 sponsored Research Projects
	- 3 Consultancy Projects
	- 90 Journal & Conference Publication in 2015

6.4 International Collaborations

- i) Dept. of Chemistry, MUT Poland
- ii) Dept. of Chemistry Korea University
- iii) Technical University of Berlin
- iv) University of Bremen
- v) JKU Austria
- vi) VUT Austria
- vii) University of Wyoming, USA
- viii) University of Minnesota, Morris
- ix) Aswan University
- x) PMU, Saudi Arabia

Facilities available

7.1 Library and Book Banks

The central Library houses the popular titles in Engineering, Technology, Sciences, Humanities and Social Sciences and Management to enrich the students with requisite knowledge and expertise. It has a rich collection of around 10,000 text and reference books and electronic resources. In addition to this, the Library provides access to the Digital Library of ACM, IEEE and ASME.

General Books

Dept	No. of Titles	No. of Volume
Civil	106	1139
CSE	131	1865
ECE	116	1390
EE	104	1532
Mechanical	108	1249
Physics	56	1145
Chemistry	68	1163
Math	90	1029
Humanities	365	1052
Total	1144	11564

eBooks: 174 (Text Books)

Online Journals/Databases

Title	For
Elsevier Science Direct	Engineering, Physics, Maths, Chemistry
Springer Link (Journals)	1400+ ejournals
IEL (Growth Plan)	Engineering
ASME	ME
ASCE	CE

ACM	Computer Science
MathSciNet	Maths
TurnItIn	ALL

7.2 Hostel Facilities

Boys' hostel:

- Number of hostels : 05
- Total capacity: 464
- Facilities: Mess, Wi Fi, Gym, Sports Equipment

Girls' hostel

- Number of hostels: 02
- Total Capacity: 140
- Facilities: Mess, Wi Fi

Residential facilities for faculty and non-teaching

- Quarters: Faculty and Group-A staff are provided leased accommodation.
- Cafeteria: Canteen facility in academic campus.

Health centre:

- Institute has engaged a doctor who visits the campus thrice in a week.
- Institute has an agreement with a reputed hospital of the state for treatment of its students, faculty and staff on priority basis. Expenses are reimbursed by the institute.
 - Facilities like banking, post office, book shops, etc.:
 - These facilities are available within 1 KM of the academic campus.
 - Power backup: DG set and extensive UPS facility available in the Academic Campus and the Hostels.
 - Waste management facility: Yes.

7.3 Student Council

A well structured students' council takes care of the Students' activities in Technical, Cultural, Social and others.

Structure of the Students' Council of NIT Meghalaya

1. PRESIDENT: Dean of Students Affairs
2. VICE-PRESIDENT: 01 Post
3. GENERAL SECRETARY (Sports & Games): 01 Post
4. GENERAL SECRETARY (Socio-cultural): 01 Post
5. GENERAL SECRETARY (Science & Technology): 01 Post
6. GENERAL SECRETARY (Mess): 01 Post
7. GENERAL LADY REPRESENTATIVE: 01 Post
8. SECRETARY (Athletics sub-committee): 01 Post
9. SECRETARY (Football sub-committee): 01 Post
10. SECRETARY (Cricket sub-committee): 01 Post
11. SECRETARY (Basketball sub-committee): 01 Post

12. SECRETARY (Badminton sub-committee): 01 Post
13. SECRETARY (Table Tennis sub-committee): 01 Post
14. SECRETARY (Other Indoor games sub-committee): 01 Post
15. SECRETARY (Dramatics sub-committee): 01 Post
16. SECRETARY (Dance sub-committee): 01 Post
17. SECRETARY (Music sub-committee): 01 Post
18. SECRETARY (Fine Arts & Photography sub-committee): 01 Post
19. SECRETARY (Literary sub-committee): 01 Post
20. SECRETARY (Students' Council webpage maintenance): 01 Post
21. FIRST YEAR REPRESENTATIVES: 03 Posts

7.4 Sports Facilities

- Playground: Playgrounds are taken on rent as and when required.
- Gymnasium: Every boys hostel has a Gym.

7.5 Students' Festivals

Facilities available on campus to promote students' interest in sports and cultural events/activities:

- The Institute students organize annual sports and cultural festivals Sishir during the Spring Semester every year.
- A Technical Fest Cognitia is organized every year during the Autumn Semester.
- Major sports and inter college competitions are held throughout the year.
- SPIC MACKAY performances are being organized in the institute premises.

Chapter-8

Placements

The Training and Placement Cell of the Institute has been set up to look after the Industry-Academia interface so that the students can be groomed into industry-ready technocrats.

The Training and Placement Cell looks after:

- Internship of the Students
- Corporate Grooming of the students
- Conducting various grooming sessions from Industry experts
- Conducting Guest Lectures
- Final Placement of the final year students

8.1 Recruiting Companies

Sl. No.	Company/ Organization
1	Indian Navy
2	Power Grid Corporation Limited
3	IBM India Private Limited
4	Tata Consultancy Services
5	Verizon Data Services India Private Limited
6	Polaris Financial Technology Limited
7	L&T Construction Limited (ECC)
8	Bespoke Digital Media
9	Nile Stream Info Technologies Private Limited
10	Zaloni Technologies India Private Limited
11	Meghalaya Energy Corporation Ltd.
12	Resonance Eduventures Pvt. Ltd.
13	HP solutions
14	Nokia Networks
15	Nucleus Software
16	Retail On
17	Tech Mahindra
18	Vodafone
19	Wipro

8.2 Placement Records

Batch 2014

Sl. No.	Name of the companies Visited	Number of Job Offers	Package
1	Indian Navy	8	Highest: 13.4 Lakh Average: 7.9 Lakh
2	Power Grid Corporation Limited	3	
3	IBM India Private Limited	8	
4	Tata Consultancy Services	3	
5	Verizon Data Services India Private Limited	2	
6	Polaris Financial Technology Limited	2	
7	L&T Construction Limited (ECC)	4	
8	Bespoke Digital Media	2	
9	Nile Stream Info Technologies Private Limited	31	
10	Zaloni Technologies India Private Limited	1	
11	Meghalaya Energy Corporation Ltd.	1	
12	Resonance Eduventures Pvt. Ltd.	2	
13	Metacube	1	
14	Keolin India Private Limited	2	
15	Nucleus Software	3	
16	Infosys Technologies Limited	5	
17	Tech Mahindra	8	

Batch 2015

Sl. No.	Name of the companies Visited	Number of Job Offers	Package
1	Polaris Financial Technologies	2	Highest: 6.5 Lakh Average: 4.15 Lakh
2	L&T Constructions	5	
3	Tech Mahindra	5	
4	IBM	21	
5	L&T Infotech	1	
6	Nucleus Softwares	7	
7	Retail On	2	
8	Indian Navy	8(SSB)	
9	Wipro	3	
10	Nokia Network and Solutions	3	
11	Vodafone	3	
12	Resonance	1	
13	TCS	1	
14	HP	4	
15	Option Town	2	
16	Indian Army	44(SSB)	
17	Face	3	

Batch 2016

Sl. No.	Name of the companies Visited	Number of Job Offers	Package
1	Thought Works	1	Highest: 9.6Lakh Average: 4.91Lakh
2	L & T Constructions	1	
3	Virtusa	5	
4	Vodafone	2	
5	Robert Bosh	2	
6	HP India	3	
7	L & T Infotech	3	
8	Infosys	9	
9	Wipro	13	
10	IBM India	12	
11	Tech Mahindra	11	
12	Indian Navy (SSB Calls)	18	

8.3 Highlights:

- In 2014, 89% of eligible students are placed.
- In 2015, 85% of eligible students are placed.
- In 2016, 96% of eligible students are placed.

Relevant Contacts

Some Useful Contacts:

	Person	Email	Phone
B. Tech Admissions	Dr. S. Das	admissions_ug@nitm.ac.in	9485177055
M. Tech Admissions	Dr. D. K. Sarma/ Dr. P. Rathore	mtech.admission@nitm.ac.in	9485177060
M. Sc Admissions	Dr. S. Mukherjee	msc.admissions@nitm.ac.in	9402102428
Ph D Admissions	Dr. A. Dandapat	anup.dandapat@nitm.ac.in	9485177019
Hostel	Mr. Paiabha Tariang	paياتariang@gmail.com	9485177057
Academics	Ms. Ambika Rai	ar.acad@nitm.ac.in	9485177015
Student welfare	Dr. Saikat Mukherjee	saikat.mukherjee@nitm.ac.in	9485177034
Research & Consultancy	Dr. Ayon Bhattacharjee	ayonbh@nitm.ac.in	9485177033
Administration	Mr. B. Blahwar	ar.estt@nitm.ac.in	9485177021
Alumni	Mr. Subhrajyoti Paul	subhrajyoti.paul94@gmail.com	9863387432
Students Council	Mr. Anmol Shukla	anamol.shukla@gmail.com	9089495432