



NITM

Chronicle

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Highlights

Induction Program

Alumni Meet

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Convocation 2019



From the Director's Desk...

National Institute of Technology Meghalaya is one of the premier autonomous institutions of National Importance. It is a new Institution established in 2010 with all state of the art facilities in Science and Technology. Besides being recognized nationally and internationally for an excellent education at the undergraduate level, we are also making strides in innovative research and other developmental activities in various areas. A new curriculum has been set up that emphasizes more on self-study. BTech in Mechanical Engineering and Electrical Engineering branches are to be accredited this year. Accreditation gives a global standard that is acceptable everywhere. This is beneficial for the recognition of the degree. The new curriculum is based on the outcome-based education that is intended to make knowledge useful for the society at large.



The Institute has been ranked 67th by the **National Institutional Ranking Framework (NIRF)** this year. However, we need an improvement in ranking. Hence we are encouraging our faculties to receive more sponsored research project. We are improving in students' placements; many schemes have been introduced recently to promote publications by faculties and students. Faculty members are being sent outside for more outreach programs to boost their confidence. Our Institute is different from other academic organizations in that our emphasis is on research along with imparting education. Currently, we have around 150 research scholars. The Institute has introduced a part-time sponsored research program for the candidates from the industries to make Institute-industry interaction more viable here. Fast track growth will be given to the PhD scholars who can publish two research papers in **Science Citation Indexed (SCI)** journals in a year so that they can complete their research work early. Moreover, they will be given financial incentives. The faculty members who publish research articles in SCI journals also get a sum of five thousand rupees for every publication.

At the same time, I wish all faculty and non-faculty members to work hard in building NITM and make it an Institute of International standard. Those office staff who are regular for three months (a quarter), will be referred to as the star employees of a quarter. The employee who manages to get the recognition of star employee twice in a row will be felicitated on the **Institute Day**. This would encourage the staff to be punctual and regular; moreover, it will enhance the work culture of the Institute. An industrial conclave will be held in December to promote the "**Institute-Industry Interaction**". Academicians and Industry delegates will discuss various pressing issues regarding the current education system and industry. We are developing our laboratories by using **TEQIP III** fund for *Industry 4.0* so that the faculty and students get better exposure to advanced technologies. *Industry 4.0* is related to digital manufacturing. There are currently 900 students across all disciplines, and our objective is to increase the total student capacity to 1260 by 2021. We are also planning to increase the number of faculty and non-faculty members of the Institute.

Once again, I wish all the students an outstanding, momentous and valuable stay at NITM and hope that they achieve their goals and emerge as top-notch engineers, technocrats, educationists and scientists.

Induction Program

When new students enter an Institution, they come with diverse thoughts and backgrounds. A one-month induction program was observed in NITM to help them adjust to the new environment and inculcate in them the ethos of the Institution with a sense of larger purpose. In the beginning, the newly admitted students were familiarized with different departments and centers of NITM. Students were also involved in various activities such as proficiency modules, creative arts, literary events, physical activities and lectures by eminent personalities that will help in promoting universal human values.



Smt. Sagarika Dutta Roy, a Yoga Instructor, trained the students in **Yoga** sessions during the Induction Program. Yoga education helps students to have good physical and mental health, emotional stability and gain a higher level of consciousness.

To develop an aesthetic sense and to enhance creativity, students were involved in creative arts and dance classes. Moreover, to overcome some critical lacunas, such as, English and computer familiarity, proficiency courses were organized, which will enable the students to proceed with their regular courses smoothly.



Shri J.S. Dhanoa, IPS, SDPO, Sadar, delivered an awareness speech on Law and Order to the new batch of students. **Dr. Sonali Shinde**, Psychiatrist, talked about various types of substance abuses and intoxicants that cause addiction, and she highlighted various measures to avoid such addictions. Also to promote bonding among the newly admitted students, a local tour was organized, and the students were taken to Golf Link, Shillong under the supervision of **Dr. Shubhankar Majumdar**, Asst. Professor, EC.



The students were enlightened on what getting into a branch or department means, what role it plays in society through its technology. They were also shown the laboratories, workshops and other facilities of the Institute.

Workshops

HANDS-ON TRAINING ON ANSYS FOR COMPUTATIONAL FLUID MECHANICS

A workshop was conducted by the **Department of Mechanical Engineering** on “**Hands-on Training on Ansys for Computational Fluid Mechanics, 2019**” during September 6-10, 2019. The workshop was sponsored by **TEQIP III**. **Dr. Vivek Vitankar**, FluidDimensions, Pune was the principal lecturer and speaker of the workshop. The workshop included practical sessions on ‘Geometry creation using AnsysSpaceClaim’, meshing using AnsysMesher and different meshing techniques and tools. It also included practical sessions on ‘Modelling of Physics’ like single-phase flow, mixing, heat transfer, species transport, introduction to Euler-Lagrangian modelling with an example. The local organizing committee of the workshop is as below:

Advisory Committee: **Prof. A. Bhattacharjee**, PH & Dean (R&C) & TEQIP III Coordinator
Prof. G. Panda, EE & Dean (AA)
Dr. A. Banerjee, Associate Professor, EE & Dean (SW)
Dr. D. K. Sharma, Associate Professor, ME & Dean (P&D)

Coordinators: **Prof. H. C. Das**, Professor, ME & Dean (FW)
Dr. B.K. Sarkar, Asst. Professor, ME

Organizing Secretary: **Dr. R. N. Mahapatra**, Associate Professor & HoD, ME

Finance Secretary: **Dr. R. S. Das**, Asst. Professor, ME

Organizing Committee: **Dr. S. Maity**, Asst. Professor, ME
Md. N. Alom, Trainee Teacher, ME
Mr. S. Majumder, Trainee Teacher, ME



ELSEVIER AUTHOR WORKSHOP

“The Elsevier Author Workshop” was conducted by the **Central Library, NITM** on August 20, 2019, for the MTech, MSc & PhD students. The topics discussed were “Structuring the manuscript to impress SCI journal editors”, “Selecting a journal and preparing a great submission package” and “Responding to reviewer comments”.



MACHINE LEARNING & DEEP LEARNING

The Department of Computer Science and Engineering organized a workshop on "**Machine Learning and Deep Learning Using Python**" covering topics of Artificial Intelligence and Machine Learning, during July 22-26, 2019. The workshop was sponsored by EICT Academy, IIT Guwahati and NITM. It was participated by EICT Academy (IIT Guwahati), Probyto (IIT Guwahati) and NITM, as well as from NIT Raipur, GBPIET, Uttarakhand, Coimbatore Institute of Technology, AIMT, Punjab, CUTM, Odisha, University of Kalyani & Mother Teresa University. **Prof. M. K. Bhuyan** and a team from Probyto were invited as keynote speakers. **Dr. B. K. Balabantaray, Dr. A. P. Singh, Dr. Surmila Thokchom, Dr. R. N. Mahapatra** and **Dr. P. Rangababu** were the coordinators of the same.



APPLICATION OF ARTIFICIAL INTELLIGENCE/ DEEP LEARNING FOR MEDICAL BIG DATA ANALYSIS

The Department of Computer Science and Engineering organized another one-day workshop on "**Application of Artificial Intelligence/ Deep Learning for Medical Big Data Analysis**" on August 9, 2019, funded by **TEQIP III**. The workshop also attracted 50 participants from other institutions. **Prof. Prasan Kumar Sahoo**, Chang Gung University, Taiwan was the keynote speaker of the workshop. The convener of the workshop was **Dr. Diptendu Sinha Roy**, Associate Professor, CSE.

WORKSHOP ON RESEARCH METHODOLOGY

The Department of Humanities and Social Sciences organized a two-day "**Workshop on Research Methodology**" for the research scholars of the Institute from August 31 to September 1, 2019, with funding from **TEQIP III**. The total number of participants was around one hundred. **Prof. Uma Sankar Mishra**, Shiksha 'O' Anusandhan University, Bhubaneswar was the resource person.



CLASSIFICATION RULES FOR INVERSE GAUSSIAN POPULATIONS WITH UNKNOWN PARAMETERS

The Department of Mathematics organized a seminar on "**Classification Rules for Inverse Gaussian Populations with Unknown Parameters**" on August 5, 2019. The speaker of the seminar was **Dr. Nabakumar Jana**, Department of Mathematics & Computing, IIT(ISM) Dhanbad.

INAUGURATION OF e-LIBRARY

TEQIP III has set-up the e-library for the students and faculties, and it was inaugurated on August 14, 2019, by **Prof. Bibhuti Bhusan Biswal**, Director, NITM in the presence of all the Deans, HoDs and Library Committee members. The e-library was set-up with a view to benefit the students, and enable them to browse the various e-resources subscribed by the library and many open-access resources available on the internet.



INNOVATHON 2019

The Centre for Innovation, Incubation and Entrepreneurship organized an event entitled “**INNOVATHON 2019**” on August 28, 2019. In this event, proposals for proof of concept were invited from both the faculty members and the students and were presented on August 28, 2019. These proposals mainly concentrated on technical solutions for the livelihood problems of the North Eastern Region of India. The Centre received 33 proposals out of which 16 proposals were recommended and submitted to the State Council of Science, Technology & Environment (SCSTE), Govt. of Meghalaya for possible financial assistance.



Institute's Achievement

NIT Meghalaya has been recognized for its exemplary contribution to the education sector during the **14th World Education Summit**, held at Delhi during August 9-10, 2019.





Coloured Feathers

The following research scholars of NIT Meghalaya successfully completed their oral defence viva-voce examination during July-September, 2019:

Name of the scholar	Department	Name of the supervisor(s)	Title of the thesis	Date of viva-voce
Probidita Roychoudhury	CSE	Prof. Dilip Kumar Saikia	Group-Based Mutual Authentication Schemes for Machine to Machine Communication	September 06, 2019
Phrangboklang Lyngton Thangkhiew	CSE	Dr. Kamalika Datta	Synthesis and Mapping of Boolean Function to Memristive Crossbar Array	July 02, 2019
Jayeeta Hazarika	CE	Dr. Meena Khwairakpam	Composting of Primary Paper Mill Sludge using Rotary Drum and Vermitechnology	July 29, 2019

Alumni Meet

An alumni meet was held on September 27, 2019 at the institute premises. The meeting was headed by **Prof. B. B. Biswal**, Director, **Dr. A. Banerjee**, Associate Prof. & Dean (SW), **Mr. Pratikanta Mishra**, Secretary, NITM Alumni Association, Research scholar, EE and other alumni. An annual report of FY 2018-19 was presented by **Mr. Sumit Baidya**, President, NITM Alumni Association during the event. The election results for the new Alumni Executive Committee for the year 2019-20 were declared. The Director, Dean (SW) and the old office bearers congratulated the new president: **Mr. Dileep Kumar Lingamallu**, the Vice President: **Mr. Akshaya Kumar Gupta**, Secretary: **Mr. Usman Gani Shams**, and the Treasurer: **Mr. Aman Kumar Jain**.



हिंदी पखवाडा

संस्थान में 14-28 सितंबर 2019 के दौरान हिंदी पखवाडा का आयोजन किया गया। इस अवसर पर माननीय गृह मंत्री एवं मा.सं.वि.मं., भारत सरकार के संदेशों का वाचन किया गया। इस दौरान निम्नलिखित कार्यक्रम आयोजित किए गए:

विद्यार्थियों के लिए 'राजभाषा हिन्दी का महत्त्व' विषय पर हिन्दी निबंध प्रतियोगिता। अधिकारियों एवं कर्मचारियों के लिए हिन्दी अभिमुखीकरण कार्यक्रम। 23 सितंबर 2019 को संस्थान के निदेशक प्रो. बी. बी. विश्वाल की अध्यक्षता में राजभाषा कार्यान्वयन समिति की बैठक का आयोजन किया गया। निबंध प्रतियोगिता के विजेता प्रतिभागी: श्री विकास खरेसिया, रसायन विभाग – प्रथम, श्री नवीन कुमार, इलेक्ट्रिकल अभियांत्रिकी – द्वितीय, श्री आदर्श सिंह, यांत्रिक अभियांत्रिकी – तृतीय। विजेताओं को 2020 संस्थान दिवस में पुरस्कृत किया जाएगा।



73rd Independence Day Celebration

NIT Meghalaya celebrated the 73rd Independence Day on August 15, 2019. All the faculty members, students, and staff members were present to commemorate the nation's 73rd Independence Day. The event commenced with the flag hoisting ceremony by the Director, NITM. This was followed by a parade of the NITM security guards. The event was concluded with an address by the Director of the institute. In his speech, the Director mentioned various schemes meant for the benefits of faculty members, students, and staff members.



Convocation 2019

National Institute of Technology Meghalaya conducted the 6th Annual Convocation on September 28, 2019. **Dr. G. Satheesh Reddy**, Secretary to the Govt. of India, Department of Defense R&D and Chairman, DRDO and DG, Aeronautical Development and Scientific Adviser to Defense Minister was the Chief Guest for the Convocation. **Shri Sajjan Bhjanka**, Chairman of the Board of Governors, **Prof. Bibhuti Bhusan Biswal**, Director, NIT Meghalaya, Deans and other dignitaries of the institute were also present.



This year a total of 197 students and scholars graduated from the Institute. It included 107 BTech students, 45 MTech scholars, 10 PhD scholars, and 35 MSc students. The Senate Chairman gave away the degree certificates to the graduates.

The august day of the Convocation ceremony was marked by majestic academic processions, which ended with the National Anthem. The scintillating certificate and award ceremony was one of the main features of the Convocation.



A pre-convocation cultural event was held on September 27, 2019, after the alumni meet. The musical evening showcased the majestic talents of the students.





The list of the President Gold medal, Institute Gold, and Silver medal awardees of convocation 2019 are as below:

Medals Awarded	Name of the awardee
President Gold Medal	Shivam Prasad (B15CS034), BTech CSE
Institute Gold Medal	Chandrani Kar, (B15CS031), BTech, CSE
	Nakita Lakyntiew Marbaniang (T17EC008), MTech, ECE
	Mahabul Haque (S17CH004), MSc, CY
Institute Silver Medal (BTech)	Ambuj Shandilya (B15CE027), CE
	Chandrani Kar (B15CS031), CSE
	Pratik Gautam (B15EE003), ECE
	Anurag Singh Shakya (B15EC02), ECE
	Mayank Gupta (B15ME029), ME
Institute Silver Medal (MTech)	Wanmikitbok Siangshai (T17CS010), CSE
	Nakita Lakyntiew Marbaniang (T17EC008), ECE
	Prabhat Ranjan Bana (T17EE015), EE
	Krishanu Bhattacharjee (T17ME001), ME
Institute Silver Medal (MSc)	Bhagyashri Patgiri (S17MA006), MA
	Ranit Roy (S17PH005), PH
	Mahabul Haque (S17CH004), CY

Student Council Members For Academic Year 2019-20



Mr. Shubham Kumar Singh
B16CE008
General Secretary (Cultural)



Mr. Deepak Kumar Sah
B16ME023
General Secretary (Science & Technology)



Mr. BankynshewKharumnuid
B16CE005
General Secretary (Sports & Games)



Mr. Rohit Raj
B17EC029
General Secretary (Cultural)



Mr. Priyesh Singh
B17CE028
General Secretary (Science & Technology)



Mr. Sushant Kumar
B17ME026
General Secretary (Sports & Games)



Mr. Deepak Gupta
P17PH003
Research Scholar Representative



Mr. Pravin Kumar
T18ME012
Hostel Affair-Representative



Mr. Robin Wilson
T18EE015
Post Graduate Representative (M.Tech.)



Mr. Dhruv Agarwal
S18PH004
Post Graduate Representative (M.Sc.)



Ms. Anamika Choudhary
B17CS002
Female Representative



Mr. Leon Patrick Mawlong
B16CS004
Publicity



Mr. Abhijeet Kumar
B18EE005
Member (Cultural)



Mr. WanraplangWarlarpih
B16CE006
Member (Sports & Games)



Mr. NilayNishatKujur
B18EE027
Member (Sports & Games)



Mr. ShubhamAnand
B18EC024
Member (Science & Technology)



Mr. Govind Kumar
B18EC025
Member (Science & Technology)



Mr. Adarsh Singh
B18ME009
Member (Cultural)

Various Clubs under Student Activity Centre (SAC)

MUSIC CLUB



Dr. Soumen Moulik
Assistant Professor, CS
Faculty in-charge of Music Club



Ms. Anamika Choudhury
B17CS002
Student Convener of Music Club



Mr. Norbert E. Sunn
B18CS018
Student Convener of Music Club

DANCE & DRAMA CLUB



Dr. Piyush Pratap Singh
Assistant Professor, EE
Faculty in-charge of Dance & Drama Club



Mr. Shubham Chang
B17ME014
Student Convener of Dance & Drama Club



Ms. Mansi Sharma
B18ME021
Student Convener of Dance & Drama Club

ROBOTICS CLUB



Dr. Bunil Kumar Balabantaray
Assistant Professor, EE
Faculty in-charge of Robotics Club



Mr. Kishan Lal
B17ME029
Student Convener of Robotics Club



Mr. Shivam Sharma
B17ME018
Student Convener of Robotics Club

CODING CLUB



Dr. Shubhankar Majumdar
Assistant Professor, EE
Faculty in-charge of Coding Club



Mr. Divyesh Srivastava
B17EE036
Student Convener of Coding Club



Mr. Haphi Chyne
B16CS007
Student Convener of Coding Club

PHOTOGRAPHY CLUB



Dr. Ksh Milan Singh
Assistant Professor, EE
Faculty in-charge of Photography Club



Mr. Leon Patrick Mawlong
B16CS004
Student Convener Photography Club



Mr. Bankerlang Kharryngki
B17CS014
Student Convener Photography Club

LITERARY CLUB



Dr. Tanmoy Bose
Assistant Professor, ME
Faculty in-charge of Literary Club



Mr. Himanshu Raj
B17EE026
Student Convener of Literary Club

Students' Achievements



Mr. Siddheswar Rudra, PhD Scholar, Department of Chemistry was awarded **Best Poster Award** in the International Conference on 'Advance in Chemical Science and Technology' organized by Department of Chemistry, NIT Warangal, during September 23-25, 2019.



Ms. Himashree Mahanta, PhD Scholar, Department of Chemistry was awarded **Best Poster Award** at an International Conference on 'Advance in Chemical Science and Technology' organized by Department of Chemistry, NIT Warangal, during September 23-25, 2019.

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P17PH003
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B18CS007
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