राष्ट्रीय प्रौद्योगिकी संस्थान मिजोर NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

(An Institution of National Importance under Ministry of Education, Govt. of India) CHALTLANG, AIZAWL, MIZORAM – 796012

MINUTES OF MEETING OF THE 19th SENATE, NIT MIZORAM HELD ON 14th SEPTEMBER, 2022 AT 3:00 PM IN THE VIRTUAL CLASSROOM, ACADEMIC BLOCK – III, NIT MIZORAM

Members present:

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1	Prof. S Sundar	Chairman
	Director, NIT Mizoram.	Onan man
2	Prof. A. T. Khan, Department of Chemistry, IIT Guwahati	Member
3	Prof. Sukumar Nandi, Department of CSE, IIT Guwahati	Member
4	Prof. Saibal Chatterjee, Professor (EEE) & Dean (Acad), NIT Mizoram	Member
5	Dr. Lalthanchami Sailo, Registrar, NIT Mizoram	Secretary, Senate
6	Dr. Alok Shukla, Associate Professor, BS&HSS (Physics) & Dean (R&C), NIT Mizoram	Invitee
7	Dr. Konthoujam Gyanendra Singh, Associate Professor, BS&HSS (Economics) & Dean (SW), NIT Mizoram	Invitee
8	Dr. Suman Majumder, Asst. Prof. & HoD i/c, Dept. of EEE, NIT Mizoram	Invitee
9	Dr. Sushanta Bordoloi, Asst. Prof. & HoD, Dept. of ECE, NIT Mizoram	Invitee
10	Dr. Sandeep Kumar Dash, Asst. Prof. & HoD, Dept. of CSE, NIT Mizoram	Invitee
11	Dr. Saurav Suman, Asst. Prof. & HoD, Dept. of ME, NIT Mizoram	Invitee
12	Dr. Bijayananda Mohanty, Asst. Prof. & HoD, Dept. of CE, NIT Mizoram	Invitee
13	Dr. Shuchi, Asst. Prof. & HoD I/c, Dept. of BS&HSS, NIT Mizoram	Invitee
14	Dr. Anagha Bhattacharya, Asst. Faculty I/c, Examination, NIT Mizoram	Invitee

Leave of absence was granted to Prof. Sudeshna Purkayastha, Department of History, Assam University, Silchar, Prof. Biswajit Mahanty, Professor, I&SE, IIT Kharagpur & Dr. Ajmal Koya Pulikkal, Dean (FW), NIT Mizoram. The Chairman welcomed all the members present and thanked them for sparing their valuable time for the 19th Senate Meeting. He, then, made a brief report of the Institute - the

different activities and programmes of the Institute. The meeting then proceeded with the business as under:

SNT 19.1	Welcome address by the Chairman
	Noted
SNT 19.2	Confirmation of the minutes of the 18th Senate Meeting held on 11th May, 2022.
91	Since no comments were received, this is to place before the Senate the proposal for confirmation of the minutes of the 18 th meeting of Senate held on 11 th May, 2022 at NIT Mizoram, Aizawl. Copy of the meeting minutes is placed at Annexure-I of SNT19.2 (Page 23-34).
	Decision of the Senate: Confirmed
SNT 19.3	Confirmation of the action taken on the resolution of 18 th meeting of Senate held on 11 th May, 2022.
	On the basis of the resolution taken during the 18th Meeting of the Senate held on 11th May, 2022, the action taken by the Institute was placed at Annexure - I of SNT 19.3 (Page 35-45).
	Decision of the Senate: Confirmed. Prof. A. T. Khan has extended his hand to help out in another 10% of the top B.tech students migration from NIT Mizoram to IIT Guwahati w.e.f 2023-24 based on the Action Taken Report of 18.10.
SNT 19.4	Ratification of PhD student migrated from IIT Madras to NIT Mizoram approved by the Chairman, Senate.
	Background:
	The Senate was informed that an application was received from Mr. Swagat Preetam Mohapatra who was pursuing PhD from the Department of Mathematics, IIT Madras from 27th December, 2016 till 14th June, 2021. The student received stipend from January, 2017 till June, 2021 under the Supervision of Prof. S. Sundar, then Professor of IIT Madras. The then Supervisor who is now the incumbent Director of NIT Mizoram has consented to be the PhD Guide and as such the student sought permission to join NIT Mizoram as a migrated student from IIT Madras through lateral

entry with ABC (Academic Bank of Credit) which is one of the main features under NEP 2020. Mr. Swagat Preetam Mohapatra has completed his coursework and has submitted his Grade Sheet and a Certificate certifying his clearance of Comprehensive Exam at IIT Madras, copies are placed at SNT 19.4 at Page- 46-48(a).

Approval of the Director cum Chairman, Senate has been obtained for the lateral entry admission of Mr. Swagat Preetam Mohapatra as a PhD student in the Department of Mathematics under Prof. S. Sundar as a regular full-time student for 8 (eight) months 12 (twelve) days through lateral entry from IlT Madras.

Decision of the Senate: Ratified

SNT 19.5

Ratification of all Doctoral Committees approved by the Chairman, Senate after 12th Senate Meeting.

Background:

The various Doctoral Committees for Ph.D scholars were approved in NIT Mizoram by the Director cum Chairman, Senate since 2019. The approved List of Doctoral Committees for Ph.D scholars at NIT Mizoram is placed at **Annexure -I of SNT 19.5 at Page 49-165.**

Decision of the Senate: Ratified. It was decided that this matter need not be taken to the Senate in future, as this is an administrative issue.

SNT 19.6

Details of the 11 Top Under-Graduate B.Tech students of NIT Mizoram at IIT Madras

Background:

As per the 20th and 21st Deans Meeting it was appraised that the 11 students who migrated from NIT Mizoram to IIT Madras by virtue of their selection as the top B.Tech students with CGPA of 8.0 and above safely landed in Chennai, by 25.07.22 to 28.07.22 and are thriving in their new environment. Even if IIT Madras courses are similar to NIT Mizoram, conversion / adjustments shall be made by NIT Mizoram.

Sl. No	Name of the Student	Department	
1	Janam Supriya	CSE	
2	Niraj Kumar	CSE	
3	Saurabh Raj Ratan	CSE	
4	Kaustabh Mani	ECE	

5	Sumit Saurabh	ECE
6	Alok Kumar Yadav	ME
7	Abhinandan	ME
8	Yashpal Singh	CE
9	Saurav Roy	CE
10	Ayushi Rajshekhar	EEE
11	Mohammad Zaid Ahmad	EEE

Details

placed

at Annexure - I of SNT 19.6 at Page 166.

Decision of the Senate: Approved. Students who 'decline' may be made to sign a 'Consent Form'. 1st, 2nd and 3rd year aspiring students to converge in January- February, 2023 for the meeting at IIT Madras.

SNT 19.7

Integrated Programmes under the Department of Physics, Chemistry, Economics, Mathematics and Computing

Background:

The 14th Deans' Committee dated 20.06.2022, copy placed at Annexure – I of SNT 19.7 (Page 167-169); under the aegis of the Director cum Chairman, Senate had decided that from the Academic Year 2023-24, Integrated Programmes under the Department of Physics, Chemistry, Economics, MBA, Mathematics and Computing shall be initiated along with B.Tech Architecture and M.Tech Civil Engineering (Structural Engineering).

Consequent to the aforesaid decision, a framework of the Course Structure has been submitted by the 7 (seven) departments i.e, for 5 years Integrated MBA Programme, Integrated MA in Economics, Integrated M.Sc in Chemistry, Integrated M.Sc in Physics, Bachelor's Degree in Architecture and Integrated M.Sc in Mathematics and Computing alongwith M.Tech in Civil Engineering as mentioned above. The details of broad framework for the Courses are placed at Annexure – II of SNT 19.7 (Page170-244)

The introduction of the integrated program would be run by engaging external experts/ temporary faculty or PhD Scholars for teaching and research from reputed institutions.

At present and as per FC 1.4, honorarium of Rs. 3500 per day to external faculty is to be paid for conducting classes for subjects having laboratory components at NIT Mizoram. TA/DA, hospitality and local conveyance is to be provided by the Institute. Further, the

Finance Committee approved further payment of honorarium of Rs. 3000.00 per hour to Expert Faculty. This however, will be with a limitation of not exceeding 2 hours per day. TA/DA, hospitality and local conveyance is to be provided by the Institute.

Therefore, the financial implication have been worked out under **Option A** and **Option B** i.e engagement of External Faculties or Engagement of Temporary Faculty which is placed at **Annexure – III of SNT 19.7 at page245-246.**

The Senate may deliberate and make decision on the Options provided which will be reflected in the BE 2023-24.

Decision of the Senate: Integrated Bachelor's Degree in Architecture shall be written as Bachelor in Architecture. The proposal is approved in principle. To exercise more introspection and final analysis maybe done on the probability of its operation.

SNT 19.8

PROPOSAL TO CONDUCT EXTRA- MURAL LECTURES ON A REGULAR BASIS APPROVED BY CHAIRMAN, SENATE

Background:

 As per Point 12 of the 21st Deans' Committee held on 2nd August, 2022, it was decided that the Extra- Mural Lectures shall be organized on a regular basis in each Department, by inviting External Expert Faculties, copy placed at Annexure- I of SNT 19.8 at Page- 247-256.

The Extra-Mural lectures have already been conducted in the **Dept.** of Mathematics and Mechanical Engineering in the month of August and September, 2022 respectively. All the Departments have submitted calendars for the upcoming month i.e once a month for the whole academic year to conduct the same. Copy of the Calendars is enclosed at Annexure- II of SNT 19.8 at Page- 251-257.

Further, it may be informed that as per FC 1.4, honorarium of Rs. 3500 per day to External Faculty is to be paid for conducting classes for subjects having laboratory components at NIT Mizoram. TA/DA, hospitality and local conveyance is to be provided by the Institute. Further, the Finance Committee approved payment of honorarium of Rs. 3000.00 per hour to Expert Faculty. This however, will be with a limitation of not exceeding 2 hours per day. TA/DA, hospitality and local conveyance is to be provided by the Institute.

As indicated, the conduct of Extra-Mural lectures apart from enhancing academic flora of the Institute; will incur additional financial expenditure, amounting to Rs 3, 67,500/- for the ongoing Academic Year. The details and approximate expenditure are placed at **Annexure-III of SNT 19.8 at Page- 257**.

Decision of the Senate: Approved

SNT 19.9

LIST OF GOLD MEDALISTS FOR UG PROGRAMME OF THE INSTITUTE

Background:

List of Department –wise Gold Medalists of B.Tech 2018-19 Batch and the UG/B.Tech Institute Gold Medalist.

Department of Civil Engineering:

Name of the student/Gold Medalist: Mr. Shiva Sahu Enroll No. BT18CE005

CGPA: 8.95

Department of Computer Science & Engineering:

Name of the student/Gold Medalist: Ms. Rushali R

Enroll No. BT18CS029

CGPA: 9.78

Department of Electrical & Electronics Engineering:

Name of the student/Gold Medalist: Ms.Toshali Mohapatra

Enroll No. BT18EE004

CGPA: 8.89

Department of Electronics & Communication Engineering:

Name of the student/Gold Medalist: Ms. Nisha Kumari

Enroll No. BT18EC023

CGPA: 9.21

Department of Mechanical Engineering:

Name of the student/Gold Medalist: Mr.Krishna Yadav

Enroll No. BT18013

CGPA: 8.85

UG/B.Tech Institute Gold Medalist

Department of Computer Science & Engineering:

Name of the student/Gold Medalist: Ms. Rushali R

Enroll No. BT18CS029

CGPA: 9.78

The Branch-wise Merit List is placed at Annexure-I of SNT 19.9 at page no. 258-259

The List of B.Tech, M.Tech & Ph.D Degrees to be conferred for the upcoming Convocation is placed at **Annexure - II of SNT 19.9 at page no. 260-270.**

The number of students to be conferred Degree is as under:-

2	B.Tech Degree (2018-19 Batch) M.Tech Degree (2020-21 Batch)	26
3	Ph.D Degree	8
	TOTAL	154

Decision of the Senate: Approved. To be placed in the forthcoming BOG.

SNT 19.10

LIST OF GOLD MEDALISTS FOR PG PROGRAMME OF THE INSTITUTE

Background:

List of Department –wise Gold Medalists of M.Tech 2020-21 Batch and the PG/M.Tech Institute Gold Medalist

It may be mentioned that as per the M.Tech Program Curricula 2016-17 under Clause 21.1 (ii) "For the award of a Gold Medal for any programme, a candidate must have a minimum CGPA>=8, irrespective of the number of students graduating from the Department/ Programme."

Further, as decided by the 12th Senate meeting under SNT 12.17 and the 15th Senate meeting under SNT 15.13- "for the award of PG Institute Gold Medal for students passing out from 2020-21 onwards, the minimum number of students passing out would be 30% of the total strength".

Department of Computer Science & Engineering:

Name of the student/Gold Medalist: Ms. Megha K

Enroll No. MT20CS004

CGPA: 8.27

Department of Electrical & Electronics Engineering:

Name of the student/Gold Medalist: Mr. Ajay Kumar Jena

Enroll No. MT20EE004

CGPA: 9.03

Department of Electronics & Communication Engineering:

Name of the student/Gold Medalist: Mr. Shakha Chaturvedi

Enroll No. MT20EE004

CGPA: 8.73

Department of Mechanical Engineering:

Name of the student/Gold Medalist: Mr. Damanbha Marwein

Enroll No. MT20ME006

CGPA: 9.32

PG/M. Tech Institute Gold Medalist

Department of Mechanical Engineering:

Name of the student/Gold Medalist: Mr. Damanbha Marwein

Enroll No. MT20ME006

CGPA: 9.32

The Branch-wise Merit List is placed at Annexure-I of SNT 19.10

at page no. 271-272.

Decision of the Senate: Approved. To be placed in the

forthcoming BOG.

SNT 19.11

REPORT OF AWARD OF PH.D DEGREE AFTER THE LAST SENATE MEETING

Background:

Sl. No.	Name of the Ph.D Degree awardee	Dept.	Title and Thesis
1	Mr. Pragati Singh, DT16EC001, Oral Exam: 06.06.2022 Name of Supervisor: Prof. S. Baishya Name of Co-Supervisor: Dr. Rudra Sankar Dhar	ECE	'Characterization and Modeling of Ambipolar Snapback Phenomenon for Compact Memory Devices'

	Mr. Satyajit Pattanayak, DT16ME007, Oral Exam:12.05.2022 Name of Supervisor: Dr. H. Lalhmingsanga Name of Co-Supervisor: Dr. Lalsangzela Sailo	ME	'Characterization, Synergetic Behaviour, and Feasibility Studies for Alternate Fuels through Thermo-chemical Conversion Process of Bamboo and Blending with Waste Plastic and Waste Coal'
3	Mr. Amarnath Pathak, DT16CS001, Oral Exam: 03.02.2022 Name of Supervisor: Dr. Ranjita Das Name of Co-Supervisor: Dr. Partha Pakray	CSE	'Addressing the Challenges in Mathematical Information Retrieval from Scientific Documents'
4	Mr. Santosh Boraakati, DH15HS002, Oral Exam: 06.12.2021 Name of Supervisor: Dr. K. Gyanendra Singh	NO MICS	' State Finances of Assam: An Analysis with Special References to Debt Sustainability'
5	Mr. L. Thansanga, DH16PH001, Oral Exam: 25.09.21 Name of Supervisor: Dr. Alok Shukla	PHY	'Effect of Gd, Dy and Y Substitutions on Structural, Dielectric, Impedance and Magnetic Properties of Bismuth Ferrite'
6	Mr. Goutam Majumdar, DH15CS002, Oral Exam: 22.09.2021 Name of Supervisor: Dr. Ranjita Das Name of Co-Supervisors: Dr. Partha Pakray and Prof. David Eduardo Pinto	CSE	'Deep Interpretable Semantic Textual Similarity (DeepiSTS)'
7	Mr. Nripesh Kumar, DH16PH002, Oral Exam: 28.08.2021 Name of Supervisor: Dr. Alok Shukla	PHYS ICS	'Studies of Structural , Dielectric, Electrical and Magnetic Characteristics of Some Lanthanides Substitution at the Iron-site of Bismuth Ferrite Multiferroic Ceramics'
8	Mr. Peddireddy Sreekanth Reddy, DH17CE002, Oral Exam: 17.07.2022	CE	'Characterization of Expansive Soils from Different Parts of India: Correlating Swelling

Name of	Supervisor:	Behaviour	of	Different
Dr. Mohant	Bijayananda y	Properties'		

This is to inform the Senate of the development which has taken place after the last Senate meeting regarding award of PhD degrees. There are 7 (seven) candidates that has been awarded Ph.D Degree and whose names, department and title of the thesis are given below:

The Senate may approve the afore-mentioned degree recipients for awarding the PhD Degrees during the forthcoming 6th Convocation of NIT Mizoram.

Decision of the Senate: Approved. To be placed in the forthcoming BOG. As decided in earlier Senate, detailed list to be placed in the future Senate.

SNT 19.12

2021-2022 ODD AND EVEN SEMESTER RESULTS

Background:

Confirmation of the Senate for conducting 2021-2022 ODD and EVEN Semester (June, 2021-22) Exams of the UG, PG Programs till 2021-22. The details are placed at **Annexure- I of SNT 19.12 at Page: 273-371**

Combined Report of (Regular/Re-Exam) From Overall Batches and Semesters

Dept.	Semester	Total No. of Students	No. of Pass Students after Re-Exam	No. of Students Failed	Pass %
CSE	I	1	1	0	100.00
	II	39	36	3	92.31
	III	2	1	1	50.00
	IV	34	32	2	94.12
	VI	26	22	4	84.62
	VIII	32	31	1	96.88

Dept.	Semester	Total No. of Students	No. of Pass Students after Re-Exam	No. of Students Failed	Pass %
EEE	I	I	1	0	100.00
	II	31	30	1	96.77
	III	3	2	1	66.67
	IV	25	24	1	96.00
	VI	18	15	3	83.33
	VIII	26	25	1	96.15

Dept.	Semester	Total No. of Students	No. of Pass Students after Re-Exam	No. of Students Failed	Pass %
ECE	II	38	37	1	97.37
	III	1	1	0	100.00
	IV	29	28	1	96.55
	VI	22	17	5	77.27
	VIII	26	26	0	100.00

Dept.	Semester	Total No. of Students	No. of Pass Students after Re-Exam	No. of Students Failed	Pass %
CE	II	28	28	0	100.00
	IV	28	28	0	100.00
	VI	20	20	0	100.00
	VIII	19	19	0	100.00

Dept.	Semester	Total No. of Students	No. of Pass Students after Re-Exam	No. of Students Failed	Pass %
ME	I	4	4	0	100.00
	II	25	23	2	92.00
	III	1	1	0	100.00
	IV	23	23	0	100.00
	VI	22	22	0	100.00
	VIII	20	20	0	100.00

2. 2021-2022 ODD AND EVEN Semester Results of PG Courses:

Sl No.	Course	Semester	No. of Students Appeared	No. of Students Passed	No. of Students Failed
1	M.Tech	II	7	7	-
2	M.Tech	IV	26	26	-

Decision of the Senate: Approved

SNT 19.13 Any other matter with the permission of the Chair.

(Dr. LALTHANCHAMI SAILO)

Registrar & Secretary, Senate

National Institute of Technology Mizoram ,

वुलसचिव / Registrar रा. ग्रौ. सं. मिजोरम NIT Mizoram