राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला National Institute of Technology Agartala OFFICE OF THE REGISTRAR



MINUTES OF THIRTY THIRD SENATE MEETING

16TH OCTOBER, 2020

AT

11.30 am.

HELD ON

राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला National Institute of Technology Agartala OFFICE OF THE REGISTRAR

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राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA Barjala, Jirania, Agartala – 799046 (Tripura)

Barjala, Jirania, Agartala – 799046 (Tripura) OFFICE OF THE REGISTRAR registramita@rediffmail.com, 0381-2548507

NITA.5/(7-Acad) /SENATE/2019-20/ 1698

Date: 02/1//2021

Minutes of the 33rd Senate Meeting

The 33rd meeting of SENATE of National Institute of Technology Agartala was held on 16th October 2020 through online mode at 11.30 am. The following members and invitee members attended the meeting:

1.	Prof. H. K. Sharma Director, NIT Agartala	Chairman
2.	Prof. Minati Baral NIT Kurukshetra, Haryana, India	Member
3.	Prof. Manish Pal Professor (CE) NIT Agartala	Member
4.	Prof. R. P. Sharma Professor (CE) NIT Agartala	Member
5.	Prof. Ratul Das Professor (CE) NIT Agartala	Member
6.	Prof. Sujit Kumar Pal Professor (CE) NIT Agartala	Member
7.	Prof. Umesh Mishra Professor (CE) NIT Agartala	Member
8.	Prof. Ajoy Kumar Chakraborty Professor (EE) NIT Agartala	Member
9.	Prof. Ardhendu Saha Professor (EE) NIT Agartala	Member
10.	Prof. Priyanath Das Professor (EE) NIT Agartala	Member
11.	Prof. Debasish Bhattacharya Professor (MA) NIT Agartala	Member
12.	Prof. Ajoy Kumar Das Professor (ME) NIT Agartala	Member
13.	Prof. Prasun Chakraborti Professor (ME) NIT Agartala	Member
14.	Prof. Swapan Bhaumik Professor (ME) NIT Agartala	Member
15.	Prof. Debasish Neogi Professor (MHSS) NIT Agartala	Member
16.	Prof. Ram Naresh Rai Professor (PE) NIT Agartala	Member
7.	Dr. Rajsekhar Panua Dean (S & W – 1)	Invitee
8.	Head of the Department Bio Engineering Department NIT, Agartala	Invitee
9.	Head of the Department Chemical Engineering Department NIT, Agartala	Invitee

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20.	Head of the Department Civil Engineering Department	Invitee
0.1	NIT, Agartala	Invitee
21.	Head of the Department Computer Sc & Engineering Department NIT, Agartala	Invitee
22.	Head of the Department Electronics & Comm. Engineering Department NIT, Agartala	Invitee
23.	Head of the Department Electrical Engineering Department NIT, Agartala	Invitee
24.	Head of the Department Electronics & Inst. Engineering Department NIT, Agartala	Invitee
25.	Head of the Department Mechanical Engineering Department NIT, Agartala	Invitee
26.	Head of the Department Production Engineering Department NIT, Agartala	Invitee
27.	Head of the Department Chemistry Department NIT, Agartala	Invitee
28.	Head of the Department Mathematics Department NIT, Agartala	Invitee
29.	Dr. Govind Bhargava Registrar, NIT Agartala	Secretary, SENATE

Professor H. K. Sharma, Chairman SENATE welcomed all the members and invited all the members to take part in the discussion on the agenda points of the meeting. After this the Chairman SENATE invited Dean (Academic) to place all the agenda points one by one for open discussion.

The Dean (Academic) then welcomed all the members of the SENATE who were present in the meeting and requested to come forward with their valuable suggestions on the agenda points. After that he placed all the 25 agenda and one miscellaneous item one by one. Members present in the meeting took part in the discussion and gave their considered views. After detailed discussion the following decisions were adopted:

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Item No. S/33/01	Confirmation of the minutes of 32 nd SENATE meeting held on 31 st July, 2020.
	The SENATE approved and confirmed the decisions adopted in the 32^{nd} meeting of SENATE held on $31/07/2020$.
Item No. S/33/02	Action taken report on 32 nd meeting of SENATE held on 31/07/2020.
	The SENATE perused the action taken on the item no. $S/32/25$ of the 32^{nd} meeting of SENATE held on $31/07/2020$.
Item No. S/33/03	Consideration and ratification of result of Ph D in Engineering and

Item No. S/33/03 Consideration and ratification of result of Ph.D in Engineering and Science for awarding Ph.D Degree in the 13th Convocation.

The SENATE ratified and confirmed for awarding Ph.D Degree to the following Ph.D scholars in the 13th convocation of NIT Agartala.

SI. No.	Enrollment No.	Name of the Student	Thesis Tittle	Stream
1.	13ODCER007	SURAJIT MÜNSHI	Engineering Properties of Rice Straw Ash as a Pozzolanic Material in Cement Mortar	Engineering
2.	12DHE003	TILOTTAMA CHAKRABORTY	Impacts of Extreme Events on Performance of Wave Energy Converter	Engineering
3.	12DHE002	UTTAM ROY	Determination of Improved Efficiency in Shell-and-Tube Heat Exchangers by Nature Inspired Optimization Techniques	Engineering
4.	12DHE005	RITABRATA ROY	Assessment of Water Quality of Wetlands by Soft Computing Techniques: A Case Study in North Eastern India	Engineering
5.	12DCS003	ABHISEK PAUL	On Modification in Histogram Equalization for Enhancement in Digital Images	Engineering
6.	12DCS002	ANKUR BISWAS	On Active Contour Methods in Medical Image Segmentation	Engineering
7.	12DEE004	ANULEKHA SAHA	Multi-Objective Optimal Power Flow Solution for Renewable Energy Integrated Power System	Engineering
8.	12DEE010	PRASENJIT DEY	Small Signal Stability Analysis of Large Interconnected Power System in Presence of Renewables and Facts Devices	Engineering
9.	12DEE007	SAMPA DAS	Laser Beam Position Dependent PSD Based Self Vibration Compensated Noncontact Vibration Measurement System	Engineering

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10.	16EDEIR001	GAURAV KUMAR BHARTI	Modelling of silicon micro-ring resonator based all-optical logic circuits and their applications	Engineering
11.		ABHIJIT BANIK	Effect of Tool Geometry and Process Parameters on Microstructure and Mechanical Properties of Friction Stir Welded AA 6061 - T6	Engineering
12.	130DPER003	SHANTANU DEBNATH	Studies on mechanical properties and machineabilities of directionally solidified ex-situ developed Al-4.5Cu-SiCp MMCs.	Engineering
13.	15EDPER003	JIBITESH KUMAR PANDA	Performance and Emission of D.I. Diesel Engine with Leucas Zeylanica, Palm Kernel Methyl Esters and 2-EHN, Triacetin additives: Analysis with Experimentation and Taguchi - Fuzzy Optimization	Engineering
14.	14EDCYR002	RUPASREE CHOUDHURY	* Exploitation of Silver Nanoparticle Surface Adsorbed Substrates for Recognition and Sensing	Science
15.	12DMA003	PRIYANKA MAJUMDER	Impact of Climate Change on Techno-Economical Performance of Small-Scale Hydro Power Plant with the help of New Multilevel Decision Framework	Science
16.	12DMA010	SUMAN DEBNATH	CFD Analysis of Fluid Flow Through Different Types of Pipe and Piping Components	Science
17.	14EDPHR001	SAURAB DHAR	Functionalized Metal Oxide Semiconductor Nanorods- Conducting Polymer Schottky Junctions for Photodetector Application	Science
18.	14EDPHA001	KRISHNA DEB	Investigation on Charge Transport Properties of Polyaniline Synthesized on Flexible Cellulose Substrate	Science
19.	16EDPHR003	DEBAJYOTI NATH	Rare-Earth Doped Ferrite Based Inorganic and Organic Multiferroic Nanocomposites for Field Sensor	Science
20.	16EDSOMA001	DIPANJANA SENGUPTA	Study of Forward and Reverse Green Supply Chain Management in Different Environment	Management



The SENATE also decided that the Ph.D scholars whose defence would be completed up to 10/11/2020 would be taken into consideration for awarding degree in the 13th convocation with the approval of the Chairman SENATE.

Item No. S/33/04

Consideration and ratification of awarding Gold Medals to the Institute toppers and Gold Plated Silver Medals to Branch toppers of UG and PG programmes of 2020 in the 13th convocation of NIT Agartala.

The SENATE approved and confirmed awarding of Gold Medals to the Institute toppers and Gold Plated Silver Medals to Branch toppers of UG and PG programmes of 2020 to the following students in the 13th convocation of NIT Agartala with the suggestion that the names of the Institute toppers and the branch toppers should be displayed in the Institute website.

	Institute Topp	er List PG	
Branch Name	Enrolment No.	Name of the Students	CGPA
CIVIL ENGG.	18PCE080	ASHESH RUDRA PAUL	9.89

		Gold Me	dal	List (PG)		Exercit.
	Bra	nch Toppe	er L	ist (M.TECH)		
Branch Name		Enrolme No.		Name of the Studen	ts	CGPA
MECHANICAL EN	VGG	18PME0	28	THARRA BHAVAN	JI	9.84
ELECTRICAL EN	GG.	18PEE00)9	RAKESH MAHARAN		9.57
COMPUTER SC & H	ENGG	18PCS00	01	SHRUTI PANDEY		9.80
ELECTRONICS &		18PEC00)7	DHEERAJ KUMAR SAHU		9.16
PRODUCTION EN	IGG	18PPE00	8	JAYANT KUMAR	-	9.79
CHEMICAL ENGG		18PCH002		SUGAM BHOWMIK		9.71
	Br	anch Ton	her	List (M.Se)		
Branch Name		lment No.		ame of the Students	C	GPA
PHYSICS	181	PH004		YANTAN CHANDA		9.03
CHEMISTRY	181	PCY002		NIKITA		9.12
MATHEMATICS	18P	MA001	-	SATADIP DAS		9.65
	Bra	unch Topp	er l	List (MCA)		
Branch Name		lment No		me of the Students	C	GPA
MASTER OF COMPUTER APPLICATION	17N	ICA015		NEHA NANHI		3.75

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Branch Name	Enrolment No	Name of the Students	CGPA
SCHOOL OF MANAGEMENT, HUMANITIES & SOCIAL SCIENCES	18MSOM001	ANTARA BANERJEE	9.16

	Institute Topper Li	st UG	
Branch Name	Enrolment No.	Name of the Students	CGPA
CHEMICAL ENGG		KANGKANA KALITA	
MECHANICAL ENG		ADITYA ASHUTOSH	9.48

Br	anch Topper Li	stug	CODA
Branch Name	Enrolment No.	Name of the Students	CGPA
CIVIL ENGG.	16UCE084	SUBHADWIP DEB	9.44
ELECTRICAL ENGG.	16UEE067	BISWAJEET SAHANI	9.26
COMPUTER SC & ENGG	16UCS085	VIBHOR TYAGI	9.30
ELECTRONICS & COMMUNICATION ENGC	16UEC081	ARUNAVA DAS	9.16
ELECTRONICS & INSTRUMENTATION ENGG	16UEI025	ASHUTOSH KUMAR DUBEY	8.88
PRODUCTION ENGG	16UPE050	RISHABH GUPTA	9.00
BIO ENGG	16UBE006	SAYANTIKA PODDER	8.86

Item No. S/33/05

Consideration and ratification of awarding Gold Medals to the Institute toppers and Gold Plated Silver Medals to Branch toppers of Dual Degree programmes of 2020 in the 13th convocation of NIT Agartala.

The SENATE approved and confirmed awarding of Gold Medals to the Institute toppers and Gold Plated Silver Medals to Branch toppers of of Dual Degree programmes of 2020 to the following students in the 13th convocation of NIT Agartala with the suggestion that the names of the Institute toppers and the branch toppers should be displayed in the Institute website.

Institute	Topper (BS MS :	and BT MT)	
Branch Name	Enrolment No.	Name of the Students	CGPA
	15DSMA002	GOBINDA DEBNATH	9.20
BS MS - Mathematics	13DSIMA002	OODI (DIT DEDITION	

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Gold M	edal List 20120 (B	S MS/BT MT)	
	nch Topper List 2		
Branch Name		Name of the Students	CGPA
BS MS - Physics	15DSPH001	PIYALI BISWAS	8.76
BS MS - Chemistry	15DSCY013	PRIYANKA NATH	8.73
BT MT - Physics	15DTPH014	SIDDARTH RASTOGI	

Item No. S/33/06

Consideration and ratification of award of degree to the successful students who passed M.Tech in 2020 in the 13th convocation of NIT Agartala.

The Senate ratified and confirmed awarding of M.Tech degree to 181 passed out students in the 13th Convocation of NIT Agartala based on the result of M.Tech examination 2020, the abstract of which is given below:

RESULT ABSTRA	CT F	OR M	TECH	ISTU	DENTS	(2017	- 2019)	
DIFFERENT BRANCHES	CE	ME	EE	CS	ECE		/	Total
Total no. of candidates							CIIL	Total
appeared :	81	32	38	11	10	8	2	103
Total No. of candidates					10	0	3	183
Passed:	79	32	38	11	10	8	3	181
No. of students Failed:	2	NIL	NIL	NIL		NIL	NIL	2

Item No. S/33/07

Consideration and ratification of award of degree to the successful students who passed MCA in 2020 in the 13th convocation of NIT Agartala.

The Senate ratified and confirmed awarding of MCA degree to 20 passed out students in the 13th Convocation of NIT Agartala based on the result of MCA examination 2020, the abstract of which is given below:

RESULT ABSTRACT FOR MCA S	TUDENTS(201	6 - 2019)
DIFFERENT BRANCHES	MCA	Total
Total no. of candidates appeared :	20	20
Total No. of candidates Passed:	20	20
No. of students Failed:	NIL	NIL

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Item No. S/33/08

Consideration and ratification of award of degree to the successful students who passed MBA in 2020 in the 13th convocation of NIT Agartala.

The Senate ratified and confirmed awarding of MBA degree to 14 passed out students in the 13th Convocation of NIT Agartala based on the result of MBA examination 2020, the abstract of which is given below:

RESULT ABSTRACT FOR MBA STU	UDENTS(2018 ·	- 2020)
DIFFERENT BRANCHES	MBA	Total
Total no. of candidates appeared :	14	14
Total No. of candidates Passed:	14	14

Item No. S/33/09 Consideration and ratification of award of degree to the successful students who passed M.Sc in 2020 in the 13th convocation of NIT Agartala.

The Senate ratified and confirmed awarding of M.Sc degree to 24 passed out students in the 13th Convocation of NIT Agartala based on the result of M.Sc examination 2020, the abstract of which is given below:

RESULT ABSTRACT FOR	M.SC S	STUDEN	TS(2017 - 20	019)
DIFFERENT BRANCHES			MATHS	
Total no. of candidates appeared:	9	9	6	24
Total No. of candidates Passed:	9	9	6	24

Item No. S/33/10

Consideration and ratification of award of degree to the successful students who passed B.Tech in 2020 in the 13th convocation of NIT Agartala.

The Senate ratified and confirmed awarding of B.Tech degree to 534 passed out students in the 12th Convocation of NIT Agartala based on the result of B.Tech examination 2019, the abstract of which is given below:

RESULT ABSTR	RACT	FOR	B.TEC	CH ST	TUDEN	NTS(2	2016 -	2020)		_
DIFFERENT BRANCHES	CE	ME	EE	CS	ECE	EI	PE	CHE	BE	Total
Total no. of candidates appeared:	127	76	65	74	71	30	48	36	12	539
Total No. of candidates Passed:	124	76	65	74	69	30	48	36	12	534
No. of students passed with First Class & Distinction :	19	33	18	21	12	3	12	6	2	126
No. of students passed with First Class:	89	42	41	46	46	25	35	26	8	358

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No. of students passed with Second Class :	16	1	6	7	11	2	1	4	2	50
No. of students Failed:	3	NIL	NIL	NIL	2	NIL	NIL	NIL	NIL	5

Item No. S/33/11

Consideration and ratification of award of degree to the successful students who passed BS and BT in 2020 in the 13th convocation of NIT Agartala.

The Senate ratified and confirmed awarding of BS and BT degree to 29 passed out students in the 13th Convocation of NIT Agartala based on the result of BS and BT examination 2020, the abstract of which is given below:

RESULT ABSTRACT FOR BS & BT STUDENTS(2016 - 2020)									
DIFFERENT BRANCHES	BS - PHY	BS - CHY	BS - MATHS	BT - PHY	Total				
Total no. of candidates appeared:	7	3	10	9	29				
Total No. of candidates Passed	7	3	10	9	29				

Item No. S/33/12 Consideration and ratification of award of degree to the successful students who passed BS-MS and BT-MT in 2020 in the 13th convocation of NIT Agartala.

The Senate ratified and confirmed awarding of BS-MS and BT-MT degree to 31 passed out students in the 13th Convocation of NIT Agartala based on the result of BS-MS and BT-MT examination 2020, the abstract of which is given below:

RÉSULT ABSTRACT FOR	BS MS &	& BT MT	STUDENT	S(2015 -	2020)
DIFFERENT BRANCHES	BS	BS MS		BT	Total
Total no. of candidates appeared :	. 8	11	6	6	31
Total No. of candidates Passed	8	11	. 6	6	31

Item No. S/33/13 Status of admission in Ph.D programme for January-June 2020.

The SENATE perused and accepted the Status of admission in Ph.D Programme for January-June 2020. The SENATE suggested to put up the agenda just after completion of admission, in the immediate forthcoming SENATE meeting.

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Item No. S/33/14

Consideration and ratification of online admission and commencement of classes of first semester for M.Tech and M.Sc programme due to extra-ordinary situation in the country for COVID-19.

The SENATE ratified and confirmed the admission process for the students allotted to NIT Agartala by CCMT and CCMN 2020 for M.Tech and M.Sc courses through online mode via MIS link of the Institute viewing to the extra-ordinary situation in the country due to COVID-19 pandemic. The SENATE acknowledged and accepted that the classes of these courses started in online mode from 05/10/2020.

Item No. S/33/15 Consideration and ratification of waiving re-registration of Shreya Saha after 4th semester of M.Tech programme.

The SENATE ratified and confirmed the waiver of the registration of Shreya Saha (enrolment no. 18PCE025) for July – December 2020 session, without any precedence, in the interest of student. Her result to be published during last week of October 2020 so that the student would get her degree in the fourthcoming convocation.

Item No. S/33/16

Consideration and ratification of special eligibility criteria for M.Sc programme for admission through CCMN 2020.

The SENATE ratified and confirmed the special eligibility criteria decided in the meeting of Heads of Physics, Chemistry and Mathematics Departments, held on 03/08/2020. The same criteria was communicated to Chairman CCMN vide No.NITA.5(60-Acad) /M.Sc/2020-21/A-1294 dated 03/08/2020 for admission in M.Sc programme through CCMN 2020.

Item No. S/33/17

Consideration and ratification for admission in M.Tech and M.Sc programmes in the vacant seats after admission through CCMT and CCMN 2020.

The SENATE ratified and confirmed the admission to M.Tech and M.Sc programmes of NIT Agartala in the vacant seats after admission through CCMT and CCMN 2020.

Item No. S/33/18

Consideration and ratification of proposal for change of signatory in Convocation Certificates.

The SENATE ratified and confirmed the authorization for signature of "Director & Chairman Senate" and "Registrar, NIT Agartala" on the Certificates and scroll-sheets to be given in the Convocation.

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Item No. S/33/19Consideration and ratification of Proposal for offering academic
project/dissertation in lieu of Summer Internship Programme (SIP)
and proposed evaluation criteria in respect of the MBA students,
only for the academic year 2020-21 without any precedence.

The SENATE ratified and confirmed the Summer Internship Programme (SIP) for the students of MBA program after completion of first year course, only for the academic year 2020-21, without any precedance.

Item No. S/33/20 Consideration and approval of Mission and Vision of NIT Agartala.

The SENATE approved the Mission and Vision of NIT Agartala. The SENATE also expressed gratefulness to Prof. P. N. Singh, Ex-Chairman, NIT Agartala and Prof. V. Jagadeesh Kumar, Dean Academic Courses, IIT Madras, Chennai for their valuable input & suggestion in drafting of Vission & Mission

<u>Item No. S/33/21</u> Consideration and approval of notification issued by MHRD (now MoE).

The SENATE approved and confirmed the proposal about revision of scholarship.

Item No. S/33/22 Consideration and approval of Implementation of new format of question paper for UG and PG programmes.

The SENATE approved the new format of question paper for UG and PG programmes. The new format of the question paper will be introduced from the even 2020-21 academic session uniformly for all enrolled students.

<u>Item No. S/33/23</u>. Consideration and approval of modalities for taking NPTEL/ MOOC courses for UG students of Chemical Engineering Department.

The SENATE approved and confirmed the modalities for taking NPTEL/ MOOC courses for UG students. The MOOC courses to be opted from the listed courses of MoE (formally MHRD). It was also decided that these courses may be offered as elective subjects only, from 2nd year onwards and consent may be taken from those students opting for MOOC courses from NPTEL as elective.

Item No. S/33/24 Consideration and approval floating of Open Electives for the UG Students of other departments.

The SENATE approved the the proposal of Chemical Engineering department about floating of Open Electives for the UG Students of other departments.



Item No. S/33/25Consideration and ratification of MOA with IIT Kanpur.The SENATE ratified and confirmed the MOA with IIT Kanpur.Item No. S/33/26Any other item, with the permission of Chair.
To decide the date and mode of the 13th convocation of NIT
Agartala.

The SENATE discussed and confirmed 17th November 2020 (2.00 pm onwards) as the date of the 13th convocation of NIT Agartala. After discussion, the SENATE confirmed to conduct the convocation in virtual mode.

All the decisions were taken unanimously. The Meeting ended with a vote of thanks to the Chair.

(Prof. H. K. Sharma) Chairman, SENATE (Prof. D. Bhattacharya) Secretary, SENATE