

NATIONAL INSTITUTE OF TECHNOLOGY SIKKIM
(An Institution of National Importance, Ministry of Education, Govt. of India)

Minutes of the Meeting of the 23rd Senate

The 23rd Meeting of the Senate was held on 18th February 2023 at 03:00 PM under the Chairmanship of Prof. Mahesh Chandra Govil, Director & Chairman, Senate in the conference room of the Institute. The following members were present in the meeting:

S.No.	Name	Designation
1.	Prof. Mahesh Chandra Govil Director	Chairman, Senate
2.	Prof. Lalit Kumar Awasthi Director, NIT Jalandhar	External Expert
3.	Prof. Virendra Singh Professor, IIT Bombay	External Expert
4.	Prof. Adrijit Goswami Professor, IIT Kharagpur	External Expert
5.	Prof. Nupur Tandon Professor, MNIT Jaipur	External Expert
6.	Dr. Achintesh N. Biswas , Dean Admin & HoD, Chemistry	Member
7.	Dr. Dhananjay Tripathi , Dean Faculty Welfare & HOD, HSS	Member
8.	Dr. Sangram Ray , HoD, CSE	Member
9.	Dr. Pratyay Kuila , Dean R & C	Member
10.	Dr. Shambhunath Barman , HoD, ME	Member
11.	Dr. Sanjay Kumar Jana , HoD, ECE	Member
12.	Dr. Ravi Srivastava , HoD, Mathematics	Member
13.	Dr. Sourav Mallick , Dean Student Welfare	Member
14.	Dr. Aurobinda Panda , Dean P & D & HoD, EEE	Member
15.	Dr. Ranjan Basak , Dean Academic Cum Registrar I/c	Secretary
16.	Dr. Molay Roy , Associate Dean	Coordinating Member
17.	Dr. Anil Lal S , Associate Professor	Invited Member

At the outset, the Chairman welcomed all the members present in the meeting. The following agenda items were placed for discussion and accordingly, decisions were taken as under;

Item No.23.01: To confirm the Minutes of the Meeting of the 22nd Senate held on 24th September 2022.

The minutes were circulated amongst the members, no comments were

received. The minutes of the meeting of the 22nd Senate was unanimously confirmed by the house.

Item No.23.02: Action Taken Report.

The Senate noted the academic reports and the action taken by the Institute. The action taken was appreciated.

Item No.23.03: To consider and approve the nomination of faculty members in the BoG as per the statutes.

The 13th Senate meeting held on 17th October, 2020 has nominated Dr. Dhananjay Tripathi, Associate Professor, Dept. of Humanities and Social Sciences and the 20th Senate meeting held on 26th March, 2022 has nominated Dr. Sourav Mallick, Associate Professor, Dept. of Electrical and Electronics Engineering as the members in the BoG;

As per the NIT Act, 2007 under clause -11 (f), the tenure of a nomination is for two year period. Hence, the tenure of Dr. Dhananjay Tripathi has been completed. The Senate deliberated and nominated Dr. Aurobinda Panda, Assistant Professor, Dept. of Electrical and Electronics Engineering to the Board of Governors as per NIT Act.

Item No.23.04: To consider and approve the award of Ph.D. degree in the next Convocation.

The Senate approved the degree of the following Ph.D. scholar of the Institute who successfully defended their thesis before the Thesis Oral Defense Examination Board (TODEB). The degree will be awarded in the next convocation.

S. No.	Name of the Ph.D. Scholar	Department/Title of the Thesis/Name of the Supervisor(s)	Date of TODE
1	Mr. Lakshman R Registration No. 2016050028	Department:ME Title of the Thesis: Numerical Modelling of Neutral Atmospheric Boundary Layer. Name of Supervisor(s): Dr. Ranjan Basak, Associate Professor, Dept. of ME, NIT Sikkim	11.10.2022
2	Mrs. Laxmi Rai Registration No. 2016050021	Department: HSS (English) Title of the Thesis: Cinematic Adaptations of the Select Shakespearean Tragedies in Bollywood. Name of Supervisor(s): Dr. Dhananjay Tripathi, Associate	14.10.2022

		Professor, Dept. of HSS, NIT Sikkim	
3	Mr. Roshan Pradhan Registration No. 2017050038	Department: EEE Title of the Thesis: Improved Power Quality Based Photovoltaic Distributed Generation System With Model Predictive Control. Name of Supervisor(s): Dr. Aurobinda Panda, Assistant Professor, Dept. of EEE, NIT Sikkim	19.10.2022
4	Mr. Amit Kumar Registration No. 2018050057	Department: EEE Title of the Thesis: Performance Enhancement on Various Topologies of Custom Power Devices. Name of Supervisor(s): Dr. Pradeep Kumar, Assistant Professor, Dept. of EEE, NIT Sikkim	20.10.2022
5	Mr. Arabinda Ghosh Registration No. 2017050035	Department: EEE Title of the Thesis: Intelligent Load Frequency Controllers for Power Systems. Name of Supervisor(s): Dr. Anjan Kumar Ray Associate Professor, Dept. of EEE &Dr. Md. Nurujjaman, Associate Professor, Dept. of Physics, NIT Sikkim	02.11.2022
6	Mr. VirkunwarAnwesh Keshav Registration No. 2016050024	Department: ME Title of the Thesis: Some Studies on Mechanical and Tribological Behaviour of AL Composites Reinforced with Industrial Waste. Name of Supervisor(s): Dr. Ranjan Basak, Associate Professor, Dept. of ME, NIT Sikkim and Dr. Souvik Ghosh	02.11.2022
7	Mr. Saddam Hossain Mullick	Department: ME Title of the Thesis: Natural Convection and Entropy	03.11.2022

	Registration No. 2018050054	Formation inside the Enclosure: A Numerical Study. Name of Supervisor(s): Dr. Pranab Kumar Kundu, Dr. Debabrata Das Gupta and Dr. Ranjan Basak, Associate Professor, Dept. of ME, NIT Sikkim	
8	Ms. Nigidita Pradhan Registration No. 2019050061	Department: ECE Title of the Thesis: Design and Analysis of Phase-Frequency Detector and Charge Pump for Phase-Locked loop Application. Name of Supervisor(s): Dr. Sanjay Kumar Jana, Associate Professor, Dept. of ECE, NIT Sikkim	18.11.2022
9	Ms. Ankita Sarmah Registration No. 2017050048	Department: HSS (Economics) Title of the Thesis: An Exploration on the Opportunities and Challenges of Micro Small and Medium Enterprises (MSMEs) in Assam. Name of Supervisor(s): Dr. Dhananjay Tripathi, Associate Professor, Dept. of HSS, NIT Sikkim and Dr. Bedabrat Saika	26.11.2022
10	Mr. Debanjan Mukherjee Registration No. 2017050030	Department: EEE Title of the Thesis: Enhancement of Maximum Loadability Limit of Power Networks Using a Novel Meta-Heuristic Technique. Name of Supervisor(s): Dr. Sourav Mallick, Associate Professor, Dept. of EEE, NIT Sikkim	01.12.2022
11	Mr. Suman Majumder Registration No. 2017050030	Department: CSE Title of the Thesis: Design of Provable Secure Communication Protocols for Internet-of-Things and Blockchain based e-Voting System.	02.12.2022

		Name of Supervisor(s): Dr. Sangram Ray, Associate Professor, Dept. of CSE, NIT Sikkim	
12	Mr.Pintu Kumar Ram Registration No. 2017050056	Department: CSE Title of the Thesis: Evolutionary Algorithms and Machine Learning Techniques for Processing and Analysis of Microarray Health Care Data. Name of Supervisor(s): Dr. Pratyay Kuila, Associate Professor, Dept. of CSE, NIT Sikkim	18.01.2023
13	DipanwitaSadhukhan Registration No. 2017050051	Department: CSE Title of the Thesis: Development of Efficient and Secure Remote User Authentication Schemes for Internet of Things (IoT) and Its Applications using Elliptic Curve Cryptography (ECC) Name of Supervisor(s): Dr. Sangram Ray, Associate Professor, Dept. of CSE, NIT Sikkim	06.02.2023

Item No.23.05: To consider and approve the cancellation of enrolment of students from the Institute.

The Senate approved the cancellation of enrollment of the following students who have submitted applications for specified reasons:

Roll. No.	Name	Program
PHEC220016	Subhajit Paul	Ph.D.
PHHS220022	Sriniwas Jha	Ph.D.
M220001EC	Adhitya Sharma	M.Tech.
M210049EE	Mamatamayee Sethi	M. Tech.
MS220008CY	Sumantra Sarkar	M. Sc.
B200014CE	Sanagavarapu Hari Deepika	B.Tech.

B210022CS	Rishika Sundas	B.Tech.
B210134EE	Harshit Rishav	B. Tech.

The final notice of cancellation of studentship shall be issued from the Institute and sent through registered post as well as e-mail.

Item No.23.06: To discuss and decide the course of action for the Ph. D. students admitted at the Institute with fellowship/ scholarship and leaving before the completion of the program.

The Senate deliberated and decided that selected Ph.D. students with Institute fellowship/ scholarship who wish to withdraw before the completion of Ph.D program have to return all the fellowship/scholarship they have withdrawn during the period of Ph.D. Otherwise, the caution money will be forfeited and the clearance will not be given.

Item No.23.07:To consider and approve the minimum pass marks of 35% in the End-Term Examination (ETE) for theory subjects and practicals/sessionals of UG and PG programs.

The Senate deliberated and approved that a student must score a minimum of 35% marks in the End-Term Examination (ETE) in theory subjects and practicals/sessionals individually to pass the subject. This will improve the quality of education and the teaching-learning process. It will be effective from Even Semester 2022-23 onwards for all the programs of the Institute. The UG and PG rules and regulations shall be amended accordingly.

Item No.23.08:To consider and approve the amendment of Rule 7 of the existing Ph.D. rules and regulations to allow "Part-time Ph.D. Candidates admitted under clause 3.2.2.ii" to complete their Ph.D. course work through online/ guided study mode.

The Senate deliberated and approved the inclusion of the following clause under Rule 7 of the Rules & Regulations for the Programs of Doctor of Philosophy (Ph.D.) 2019:

Rule 7.7 (v): *"In case of part-time external candidates with at least 5 years of research experience in R&D Organizations, with the special permission of the DGC and approval of the senate, the residential requirement may be waived-off. Nevertheless, it is mandatory for such candidates to complete the course work for the prescribed number of credits through online/ guided study mode. Other requirements, like assignments, examinations etc., will remain same as prescribed for any regular course or as decided by the DGC."*

Item No. 23.09:To consider and approve the extension of the registration period of research scholars beyond seven years (5 years + 2 years extension).

The Senate granted the three (03) months extension beyond seven years of the registration period to Mr. Keshab Das considering the progress of the

candidate. It is recommended by the DGC, DPGC and SPGB. His registration will be valid till **31.05.2023**.

Item No. 23.10: To consider and approve the cancellation of registration Mr. Rahul Deo Verma for not submitting his thesis within seven years (5 years + 2 years extension) of the registration period.

The Institute has not received any communication from the DGC or DPGC regarding further extension of the registration period. As per the rules, if a research scholar fails to submit her/his Ph.D. thesis on completion of SEVEN years, her/his registration from the Ph.D. program shall stand cancelled.

He has completed Seven (07) years after the initial registration and even the pre-synopsis seminar to submit the thesis has not been conducted. Therefore, the Senate approved the cancellation of the registration of Mr. Rahul Deo Verma, Department of Computer Science and Engineering.

Item No. 23.11: To consider and approve the cancellation of registration Ms. Jayati Routh as per the clause 11.5.(ii) of the Ph. D. Rules and Regulations of the Institute.

The Senate approved the cancellation of the registration of Ms. Jayati Routh as per the clause 11.5.(ii) of the Ph. D. Rules and Regulations of the Institute.

Item No.23.12:To consider and approve the amendment of Rule 9 (Grades and Grade Points) of the existing UG rules and regulations.

The Senate approved the amendment of Rule 9 (Grades and Grade Points) of the existing UG and PG rules and regulations.

Item No.23.13:To consider and approve the amendment of Rule 8.3 (iv) (Students Internship Program for Full Semester) of the existing UG rules and regulations.

The Senate deliberated and approved that student undergoing internship outside the Institute (Offline) are allowed to appear in the End-Term Examination **only**, the weightage of Mid-Term Examination shall be counted in the End-Term Examinations. The distribution of weightage given for each component of continuous assessment and examination is given in the table below. This arrangement is made to avoid the unnecessary travel of students to the campus for Mid-Term Examinations.

S.No.	Components of Assessment	% Weightage
1	IA (Quizzes, assignments, term papers, seminars, surprise tests/ class tests/ MCQ tests/ open book tests/ group activities etc. as decided by the Course Instructor)	20%
2	End - Term Examination (ETE)	80%

Item No.23.14: To consider and approve the organization of the 5th Convocation.

The Senate deliberated and approved the organisation of the 5th Convocation for awarding the degrees and medals to UG and PG students who have graduated in 2022. The tentative date for organizing the Convocation will be 8th April 2023 at NIT Sikkim. The Senate Chairman is empowered to finalise the Chief Guest, Guest of Honour, other Guests, etc.

Agenda for Ratification**Item No.23.15: To ratify the item "Issuance of NOC to Ms. Sapna Prakash (M210046EE) to undergo training for the post of JE (C&W) at Supervisor Training Centre, E.C Rly while continuing her last semester of M. Tech. at NIT Sikkim".**

The Senate ratified the same.

Item No.23.16: To ratify the course code of elective subject offered by the Department of Civil Engineering.

The Senate ratified the course code of elective subject offered by the Department of Civil Engineering as below:

Geosynthetic and Reinforced Soil structures- CE1*156

Item No.23.17: To ratify the semester withdrawal on personal grounds.

The Senate ratified the semester withdrawal of the following students on personal grounds:

Sl. No.	Name	Enrollment No.	Details of Semester Withdrawal
1	Mr. Soham Ray	MS210011CY	1 st and 2 nd Semester
2	Mr. Tirthankar Ghosh	B220120CE	1 st and 2 nd Semester

Item No.23.18: To ratify the grant of extension to Research Scholars after the completion of Five (05) years of registration.

The Senate ratified the extension for pursuing the Ph. D. program to the following Research Scholars as approved by the Dean Academic:

S. No.	Name and Enrolment No.	Dept.	Date of completion of Five-year from initial Registration	Extension approved earlier by the Senate	Further extension recommended by DGC/DPGC (In Month)
1	Aditya Kumar Singh (PHME16021)	ME	16.08.2021	18 Months 15.02.2023	Recommended for 6 month (15.08.2023)

Item No.23.19: To ratify the decisions taken in the meeting of Heads and Deans.

The Senate ratified the minutes of the meeting of the Deans and HODs held on 21st November 2022.

Agenda for Reporting**Item No.23.20: To report the academic calendar of the UG & PG program for the Even Semester 2022-23.**

The Senate noted the academic calendar of Even Semester 2022-23 of B.Tech., M. Tech. and M. Sc. Programs of the Institute. The Academic Calendar is appended below:

B. Tech. 4th, 6th and 8th, M. Tech. and M. Sc. 2nd and 4th semester

S. No.	Activities	Date (s)
1	Commencement of Class	January 23, 2023
2	First Mid-Term Examination	February 20-22, 2023
3	Mid-Semester Break	March 06-10, 2023
4	Second Mid-Term Examination	April 03-06, 2023
5	End Term Examination	May 08-20, 2023
6	Practical/ Sessional Examination	May 22-27, 2023
7	Declaration of Result	June 02, 2023
8	Summer Course and Supplementary Examination	May 29- July 21, 2023
9	Commencement of Odd Semester 2023-24	July 24, 2023

*On February 04, February 25, March 18, April 15, and April 29: Classes will be held as per the schedule of Monday, Tuesday, Wednesday, Monday, and Tuesday respectively.

B. Tech. 2nd Semester

S. No.	Activities	Date (s)
1	Commencement of Class	March 13, 2023
2	First Mid-Term Examination	April 10-12, 2023
3	Second Mid-Term Examination	May 15-17, 2023
4	End-Term Examination	June 12- June 24, 2023
5	Practical/ Sessional Examination	June 26- July 01, 2023
6	Declaration of Result	July 14, 2023
7	Commencement of Odd Semester	July 24, 2023

*On March 18, April 01, April 15, April 29, and May 27: Classes will be held as per the schedule of Monday, Tuesday, Wednesday, Monday, and Tuesday respectively.

Item No.23.21: To report the grade conversion of two B.Tech. final-year students studying at IIT Hyderabad.

The Senate noted the grade conversion of two B.Tech. final-year students studying at IIT Hyderabad.

Item No.23.22: Any other items with the permission of the Chair.

No such items were placed in the meeting.

The meeting was concluded with a vote of thanks to the chair.

Handwritten signature and date: 20.02.23

Dean Academic and Registrar (I/c)

~~Director & Chairman~~

Handwritten signature and date: mgf 21/02/2023