

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

Minutes of the 25th Meeting of the Senate

The 25th Meeting of the Senate was held on 18th July 2023 at 4:00 PM under the Chairmanship of Prof. Mahesh Chandra Govil, Chairman Senate in the conference room of the Institute. The following members were present in the meeting:

Sl.No.	Name	Designation
1.	Prof. Mahesh Chandra Govil	Director Chairman, Senate
2.	Prof. Lalit Kumar Awasthi Director, NIT Uttarakhand	External Expert
3.	Prof. Nupur Tandon Professor, MNIT Jaipur	External Expert
4.	Prof. Adrijit Goswami Professor, IIT Kharagpur	External Expert
5.	Prof. Virendra Singh Professor, IIT Bombay	External Expert
6.	Dr. Ranjan Basak , Dean Academic	Member
7.	Dr. Achintesh N. Biswas , Dean Admin & HoD, Chemistry	Member
8.	Dr. Aurobinda Panda , HoD, EEE	Member
9.	Dr. Sanjay Kumar Jana , HoD, ECE	Member
10.	Dr. Anil Lal S , HoD, ME	Member
11.	Dr. Dhananjay Tripathi , Dean Faculty Welfare & HOD, HSS	Member
12.	Dr. Md. Nurujjaman , HoD, Physics	Member
13.	Dr. Sourav Mallick , Dean Student Welfare	Member
14.	Dr. Pratyay Kuila , Dean R & C	Member
15.	Dr. Joy Pal , HoD, CE	Member
16.	Dr. Ravi Srivastava , HoD, Mathematics	Member
17.	Dr. Molay Roy , Associate Dean (Academic)	Coordinating Member
18.	Mr. Ram Nepal , Assistant Registrar (Academic)	Coordinating Member

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

Item No.25.01: To confirm the Minutes of the Meeting of the 24th Senate held on 27th May 2023.

The minutes were circulated amongst the members, no comments were received. The minutes of 24th Senate were unanimously confirmed.

Item No. 25.02: Academic Report & Action Taken Report.

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

The actions taken by the Institute were appreciated by the members.

Item No.25.03: To consider and approve the revised course structure and detailed syllabi of B.Tech. 1st year to be effective from 2023-24.

The Senate approved the revised course structure and detailed syllabi of B.Tech. 1st year to be effective from the Academic Session 2023-24. The approved course structure and detailed syllabi is appended at **Annexure I**. The Chairman Senate is empowered to take necessary decision in this regard if required.

Item No.25.04: To consider and approve the revised course structure and detailed syllabi of B.Tech. 2nd, 3rd and 4th year for all Engineering Department to be effective from 2023-24 Academic Session.


The Senate approved the revised course structure and detailed syllabi of B.Tech. 2nd, 3rd and 4th year for all Engineering Department. The new curriculum shall be applicable for 1st and 2nd year students from the academic session 2023-24. The Chairman Senate is empowered to take necessary decision in this regard if required.

Item No.25.05: To consider and approve the course structure and detailed syllabi of M.Tech program of CSE, ECE and EEE Department to be effective from 2023-24.

The Senate approved the course structure and detailed syllabi of following M. Tech program.

- M.Tech. in Artificial Intelligence and Machine Learning
- M.Tech. in Electrical Engineering (Specialization in Power and Energy Systems)
- M.Tech. in Electrical Engineering (Specialization in Power Electronics and Drives)
- M.Tech. in VLSI and Embedded Systems
- M.Tech. in Communication and Signal Processing

It will be effective from the Academic Session 2023-24. The Chairman Senate is empowered to take necessary decision in this regard if required.



Item No.25.06: To consider and approve the inclusion of new elective subjects in the B.Tech. Curriculum to be effective from 2023-24 academic session.

The Senate approved the inclusion of the following new elective subjects in the B.Tech. Curriculum to be effective from the Academic Session 2023-24:

Department	Course Code	Course Name	Program
ECE	EC1*155	RF Integrated Circuits	B.Tech.
ME	ME1*144	Introduction to Flight Dynamics	B.Tech.
ME	ME1*145	Introduction to Turbulence	B.Tech.

Item No.25.07: To consider and approve the minimum pass marks of 50% in practicals/sessionals for UG and PG programs.

The Senate deliberated and approved the minimum pass marks of 50% in practicals/sessionals for UG and PG programs. A student will be awarded 'FP' grade in Practical/ Sessional courses, if s/he secure less than 50% marks (Overall or End Term Examination). This will improve the quality of education and the teaching-learning process. It will be effective from Odd Semester 2023-24 onwards for all programs of the Institute. The Rules and Regulations of UG and PG will be ammended accordingly.

Item No.25.08: To consider and approve the minor revision in the existing Course Structure/ Syllabus of various departments.

The Senate approved the minor revision in the following existing Course Structure/ Syllabus of Humanities and Social Sciences and Civil Engineering Departments:

S. No.	Course Code	CourseName	Deptt.	Credit
1	HS15101	Engineering Economics	HSS	2
2	HS16101	Principles of Management	HSS	2
3	CE15101	Structural Analysis II	CE	4
4	CE15102	Design of Reinforced Concrete Structures	CE	4
5	CE15105	Water Resources Engineering II	CE	3
6	CE16101	Structural Analysis III	CE	3
7	CE16102	Design of Steel Structures	CE	3

In addition to the above new courses on Artificial Intelligence and Machine Learning will be incorporated in the existing course structure as core/ electives. Further, one course on Entrepreneurship and Start-Up of 1 credit shall be included in the existing course structure of the B. Tech Seventh Semester. The revised Course Structure/ Syllabus shall be effective from 2023-24 academic session.

Item No.25.09: To consider and approve the "Induction Program 2023".

The Senate constituted the following committee to conduct the “Induction Program 2023” which will take place from 22.08.2023 to 26.08.2023:

S.No	Name	Designation
1	Dr. Sourav Mallick	Convenor
2	Dr. Dhananjay Tripathi	Member
3	Dr. Ravi Srivastava	Member
4	Dr. Nimai Charan Patel	Member
5	Mr. Ram Nepal	Member

The committee will be responsible for the smooth conduction of the induction program.

Item No.25.10:To consider and approve the award of Ph.D. degree in the next convocation.

The Senate approved the award of degree to the following Ph.D. scholars 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. Somnath Mahato Roll No. PHEC190002 Registration No. 2020050064	Department: Electronics and Communication Engineering Title of the Thesis: Mukti Constellation Global Navigation Satellite System in Standalone and Real TimeKinematic Operation towards EnchancePosition Solution Accuracy Name of the Supervisor: Dr. Surajit Kundu	02.06.2023
2	Mr. Sudhansu Sekar Das Roll No. PHEE16028 Registration No: 2017050039	Department: Electrical and Electronics Engineering Title of the Thesis: Design and Development of the Novel ZSI/QZSI Topologies and its Applications Name of the Supervisor: Dr. Aurobinda Panda	29.05.2023

Item No.25.11: To consider and approve the cancellation of enrolment of students from the Institute.

The Senate approved the cancellation of enrollment of the following student;

Roll No	Name	Program
B210053EC	Manish Kumar	B.Tech.

The final notice of cancellation of studentship shall be issued from the Institute and sent through registered post as well as an email to the concerned student.

Item No.25.12: To consider and approve the extension of registration period of research scholars beyond seven years (5 years + 2 years extension).

The Senate approved the extension period for pursuing the Ph.D. program beyond seven years (5 years + 2 years extension) of registration to the following student for additional Six (06) months.

Sl. No.	Name & Enrollment No.	Dept.	Date of completion of five years from the date of initial registration	Extension approved earlier by Senate (in months)	Further extension recommended by DPGC/SPGB
1	Mr. Aditya Kumar Singh (PHME16021)	ME	16.08.2021	24	06

Item No.25.13: To consider and approve the fee structure of M.Sc. (Chemistry) for international students admitted through CCMN.

The Senate deliberated in detail and referred the same to be discussed in the next meeting of Finance Committee and Board of Governors for further directions.

Item No.25.14: To consider and approve the introduction of the following courses for Ph.D coursework in the Department of Chemistry.

The Senate approved the courses for Ph.D coursework in the Department of Chemistry. The approved course structure is placed in the following table:

Sl No.	Name of the Subject	Code	Credit
1	Principles of Organic Synthesis	CY31101	
2	Reagents In Organic Synthesis	CY31102	
3	Metal Mediated Synthesis-I	CY31103	

4	Organic Chemistry in Biology and Drug Development	CY31104	03
5	Classics In Total Synthesis-I	CY31105	
6	One- And Two-Dimensional NMR Spectroscopy for Chemists	CY31106	
7	NMR Spectroscopy for Chemists and Biologists	CY31107	
8	Mechanisms In Organic Chemistry	CY31108	
9	Stereochemistry	CY31109	
10	Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries	CY31110	
11	Circular Dichroism (CD) And Mossbauer Spectroscopy for Chemists	CY31111	
12	Advanced Transition Metal Chemistry	CY31112	
13	Symmetry And Group Theory	CY31113	
14	Metals In Biology	CY31114	
15	Transition Metal Organometallic Chemistry: Principles to Applications	CY31115	
16	Fundamentals Of Protein Chemistry	CY31116	
17	Analytical Chemistry	CY31117	
18	Chemical Crystallography	CY31118	
19	Pericyclic Reactions and Organic Photochemistry	CY31119	02
20	Application of Spectroscopic Methods in Molecular Structure Determination	CY31120	02
21	A Study Guide in Organic Retrosynthesis: Problem Solving	CY31121	03
22	Medicinal Chemistry	CY31122	03
23	Chemistry of Main Group Elements	CY31123	03
24	Biochemistry	CY31124	02
25	Structure, Stereochemistry and Reactivity of Organic Compounds and Intermediates: A Problem-solving Approach	CY31125	02
26	Essentials of Oxidation, Reduction and C-C Bond Formation: Application in Organic Synthesis	CY31126	03

The evaluation of the candidates will be conducted by the department. The candidates are required to participate in both Mid-Term and End-Term examinations and the department will prepare grade sheets according to the existing Ph.D. rules and regulations of the Institute.

Agenda for Ratification

Item No.25.15: To ratify the decisions taken in the meeting of the Senate Undergraduate Board (SUGB)

The Senate ratified the decisions of SUGB other than the items placed as agenda before the Senate in this meeting. The decision of the Senate on such items are given here.

Item No.25.16: To ratify the decisions taken in the meeting of the Senate Postgraduate Board (SPGB)

The Senate ratified the decisions of SPGB other than the items placed as agenda before the Senate in this meeting. The decision of the Senate on such items are given here.

Item No.25.17: 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 Ph.D. program beyond five years for the following scholars as approved by the Dean Academic.

Sl. No.	Name and Enrolment No.	Dept.	Date of completion of Five-year from initial Registration	Extension approved by the Senate earlier	Further extension recommended by DGC/DPGC (In Month)
1	Mr. Rajanikanta Sahoo (PHEE180001)	EEE	15.07.2023	NIL	Recommended for 12 months (14.07.2024)
2	Mr. Srijan Narayan Chowdhury (PHCH180004)	Chemistry	18.07.2023	NIL	Recommended for 12 months (17.07.2024)
3	Mr. Panjo Lepcha (PHCH180005)	Chemistry	18.07.2023	NIL	Recommended for 12 months (17.07.2024)

Additional Agenda

Item No.25.18: To consider and approve the academic calendar of B.Tech., M.Tech. and M.Sc. 1st Semester for the session 2023-24.

The Senate approved the academic calendar of B.Tech., M.Tech. and M.Sc. 1st Semester for the session 2023-24. The Academic Calendar is appended below:

B. Tech., M. Tech. and M. Sc. 1 st Semester 2023-24		
S. No.	Activities	B. Tech. 1 st Semester
1	Induction Program	August 22 (Tuesday)-26 (Saturday), 2023
2	Commencement of Class	August 28 (Monday), 2023
3	First Mid-Term Examination	October 03 (Tuesday)-05 (Thursday), 2023
4	Mid Semester Break	October 20 (Friday)-27 (Friday), 2023
5	Sports and Technical Fest "Abhiyantran"	November 06 (Monday)-10 (Friday), 2023
6	Second Mid-Term Examination	November 28 (Tuesday)-30 (Thursday), 2023
7	End of Theory Class	December 08 (Friday), 2023
8	Revision and Problem-Solving Class	December 11 (Monday)-15 (Friday), 2023
9	End-Term Examination	December 18 (Monday) – 29 (Friday), 2023
10	Winter Vacation	January 01 (Monday) – 12 (Friday), 2023
11	Practical/ Sessional Examination	January 15 (Monday)- 20 (Saturday), 2024
12	Commencement of Even Semester	January 22 (Monday), 2024

The Chairman Senate is empowered to take necessary decision in this regard if required.

Item No.25.20: To deliberate and approve the standard procedure of tuition fee remission for UG program as per the order of the Ministry of Education vide: 33-4/2014 TS-III, dated: 24th June 2016.

The Senate deliberated the procedure of Tuition Fee Remission based on the Annual Family Income of the students. Broadly following points were recommended for standardised mechanism in the Tuition fee remission:

- The Income proof of both the parents (Father & Mother) in the form of Salary certificate, Form 16, ITR of current assessment year and Income Certificate issued by the competent authority has to be submitted as per the occupation of the student's family.
- All the students also need to submit notarized Income Affidavit stating the Annual Total family Income from all the sources.
- The benefit of Tuition Fee Remission will be applicable for maximum period of FOUR (04) years.
- The benefit will cover only two siblings belonging to the same family.

The Chairman Senate is empowered to take necessary decision in this regard if required.

Item No.25.21: To ratify the status of branch change for B.Tech. 2022-26 batch.

The Senate ratified and approved the branch change for the following B.Tech. students.

Name	Existing Branch	Roll No	CGPA	Allotted Branch	Preference of choice
Naval Kumar	CE	B220108CE	8.68	CSE	1st
PrathmeshGajbhiye	ME	B220141ME	8.08	CSE	1st
Aditya Sharma	ME	B220124ME	7.75	EEE	3rd
Shibu Kumar	ME	B220149ME	7.72	ECE	2nd
Ranjeet Kumar	ME	B220145ME	7.63	EEE	3rd
Prabhat Kumar	CE	B220112CE	7.00	EEE	3rd

The meeting ended with vote of thanks to the Chair.

RBAQ
20.07.23

Dean Academic & Registrar (I/c)

Director & Chairman

mgl