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

Minutes of the Meeting of the 24th Senate

The 24th Meeting of the Senate was held on 27th May, 2023 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 Uttarakhand	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. Anil Lal S,** HoD, ME	Member
11.	**Dr. Sanjay Kumar Jana,** HoD, ECE	Member
12.	**Dr. Ravi Stivastava,** HoD, Maths	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.	**Mr. Ram Nepal,** Assistant Registrar	Coordinating Member

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

1

Item No.24.01: **To confirm the Minutes of the Meeting of the 23rd Senate held on 18th February 2023.**

The minutes were circulated amongst the members, no comments were received. The minutes of the meeting of the 23rd Senate was unanimously confirmed by the house.

Item No.24.02: **Action Taken Report.**

The Senate noted the academic reports and the action taken by the Institute. The sincere effort towards academic progress of the Institute were appreciated.

Item No.24.03: **To consider and approve the renaming of the existing M.Tech. program offered by the Computer Science and Engineering Department.**

The Senate deliberated in detail and approved the renaming of M.Tech Program as **"M.Tech. in Artificial Intelligence and Machine Learning"** to be offered by the Computer Science and Engineering Department. The new program will be effective for the students admitted in the academic year 2023-24. The seat distribution for the programs will be as under:

CCMT	Sponsored	Army Personnel	ICCR/SII	DASA	Total
15	02	04	02	02	25

Item No.24.04: **To consider and approve the proposal of splitting the existing M.Tech. program offered by the Electronics and Communication Engineering Department into two specializations.**

The Senate approved in principle. The following M.Tech programs to be offered by the Electronics and Communication Engineering Department from 2023-24 academic session are:

(i)   **M.Tech. in VLSI and Embedded Systems,** and
(ii) **M.Tech. in Communication and Signal Processing**

The seat distribution for the programs will be as under:

Intake	VLSI and Embedded Systems	Communication and Signal Processing
CCMT	08	07
Sponsored	01	01
Army personnel	02	02
ICCR/ SII	01	01
DASA	01	02
Total	13	13

If the seats are not filled in one specialization, same shall be filled by the candidate applied in other specialization if case arises. However, the intake should not exceed the total approved seat.

Item No.24.05: **To consider and approve the proposal of splitting the existing M.Tech. program in Electrical Engineering (Specialization in Control, Power, and Electric Drives) into two different specializations.**

After thorough discussion, the Senate approved the following M. Tech. programs to be offered by the Electrical and Electronics Engineering Department from 2023-24 academic session:

(i) **M.Tech. in** Electrical Engineering (**Power and Energy Systems**)
(ii) **M.Tech. in** Electrical Engineering (**Power Electronics and Drives**)

The seat distribution for the programs will be as under:

Intake	Specialization in Power and Energy Systems	Specialization in Power Electronics and Drives
CCMT	07	08
Sponsored	02	01
Army personnel	02	02
ICCR/ SII	01	00
DASA	01	01
Total	**13**	**12**

The department also proposed to start "M. Tech. in Robotics and Automation". But, due to the shortage of faculty members in that specialization, the Senate advised to start "M. Tech. in Robotics and Automation" from the next Academic Session (2023-24) based on the availibilty of the faculty members in that specialization.

Further, if the seats are not filled in one specialization, same shall filled by the candidate applied in other specialization if case arises. However, the total intake should not exceed the approved seat.

Item No.24.06: **To consider and approve the change in the nomenclature of the Ph.D. degree in the Department of Humanities and Social Sciences.**

The Senate approved the agenda as proposed. The nomenclature of PhD Degree awarded by the Department of Humanities and Social Sciences will be based on the specialization/ subject and the following amendment is approved:

Existing	Approved change
Doctor of Philosophy in Humanities and Social Sciences on …… (Name of the Scholar)	**Doctor of Philosophy** **In (Subject)** **on ……(Name of the scholar)**

The degree awarded to the following candidates in the last convocation will be reprinted based on the revised nomenclature:

    i.   Dr. Laxmi Rai (English)

    ii.   Dr. Bhaskar Chettri (English)

    iii.   Dr. Ankita Sarmah (Economics)

Item No.24.07: **To consider and approve the proposal of providing the Institute Scholarship to Ph.D. students working on sponsored projects after the completion of the project tenure.**

The Senate deliberated on the item and approved it with the following conditions:

i. The minimum duration of the external funded projects in which the candidate is working must be of three years duration.

ii. On completion of project, the project scholar will be mapped in the Institute fellowship based on the academic performances evaluated by the DPGC and one external expert of the domain outside the Institute.

iii. Total duration of fellowship/ scholarship shall not exceed five (05) years for a scholar.

iv. The fellowship/ scholarship to such scholars will be paid at par with the sponsoring agency or Institute fellowship, whichever is less.

Item No.24.08: **To discuss the revision of the course structure and detailed syllabi of B.Tech. M.Tech. and M.Sc. program to be implemented for the newly admitted students from the academic session 2023-24.**

The Senate approved the followings:

i. **Revised course structure and detailed syllabi of B.Tech. first year:**

The Senate approved the course structure of B.Tech. 1st year (Annexure-I). The revised syllabi will be placed in the next meetimg of the Senate for approval.

ii. **Revised course structure and detailed syllabi of B.Tech. 2nd, 3rd and 4th year for all the Engineering Departments.**

The Senate advised to revise the course structure and detailed syllabi of B.Tech 2nd, 3rd and 4th year by inviting experts from NITs, IITs, Industries, etc. The revised course structure and detailed syllabi will be placed in the next meeting of the Senate for approval.

iii. **Revised course structure and detailed syllabi of M.Tech. for the following Departments.**

The Senate advised to review the proposed course structure and detailed syllabi of M. Tech. programs by inviting experts from NITs, IITs, Industries, etc. The revised course structure and detailed syllabi will be placed in the next meetimg of the Senate for approval.

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

All the revised curriculum will be implemented from 2023-2024 academic session for the newly admitted students.

Item No.24.09: **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 George Biswas** **Registration No.** 2018050058	**Department**: Physics **Title of the Thesis**: Entanglement And Other Quantum Correlations in Many-Body Systems **Name of Supervisor(s)**: Dr. Anindya Biswas, Associate Professor, Dept. of Physics, NIT Sikkim	28.04.2023
2	**Mrs Srijana Subba** **Registration No.** 2018050052	**Department**: Chemistry **Title of the Thesis**: Synthetic Studies on Macrolides: A Class of Antibiotics **Name of Supervisor**: Dr. Sumit Saha, Associate Professor, Dept. of Chemistry, NIT Sikkim	06.05.2023

Item No.24.10: **To consider and approve the cancellation of enrolment of students from the Institute.**

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

Roll. No.	Name	Program
B210077EE	Ayush Vats	B.Tech.
B200126EE	Banoth Vinay	B.Tech.
B210072EE	AnshikaArshi	B.Tech.
B180118EE	Ravi Kumar Bhagat	B. Tech.
B180171ME	Angajala Amarnath	B. Tech.
M210058EE	Gaurav Kumar	M. Tech.
PHEE220004	Tapas Mondal	Ph.D.

Item No.24.11: **To consider and approve the academic calendar of UG & PG program for the Odd Semester 2023-24.**

The Senate approved the academic calendar of Odd semester 2023-24.

The following academic calendar will be effective for the B.Tech. 3rd, 5th & 7th semester M. Tech. 3rd and M. Sc. 3rd semester:

S. No.	Activities	Date (s)
1	**Commencement of Class**	**July 24, 2023**
2	First Mid Term Examination	August 28-30, 2023
3	**Second Mid Term Examination**	**October16-18, 2023**
4	Mid Semester Break	October 20-27, 2023
5	**Sports and Technical Fest "Abhiyantran"**	**November 06-10, 2023**
6	End Term Theory Examination	November 23- December 04, 2023
7	**Practical/Sessional Examination**	**December 06-09, 2023**
8	Declaration of Result	December 20, 2023
9	**Commencement of Even Semester (Tentative)**	**January 22, 2024**

Item No.24.12: **To consider and approve the registration process for Odd Semester 2023-24.**

The Senate approved the agenda as proposed.The odd semester registration 2023-24 for UG, PG and PhD program shall be done through online platform from 5th July, 2023 onwards.

Item No.24.13: **To consider and approve the organization of the Convocation of the Institute in the month of November every year.**

The Senate approved the agenda in principle. The Convocation will be conducted during October/ November every year.

Item No.24.14: **To consider and approve the Self Appraisal Template for Teaching Employee of the Institute.**

The Senate approved the item with minor modifications.

Item No.24.15: **To consider and approve the minor modification of 7th and 8th Semester Course Structure of all the B. Tech. programs from the academic session 2023-24.**

The Senate approved the item. The **"Elective (Project Related Subject)"** of 7th and 8th Semester course structure of B.Tech program will be replaced by the **"Departmental Elective"** offered by the respective Department. This shall be effective from the academic session 2023-24. However, the departmentsv are free to offer few courses based on the project domain/ areas of thr students.

Item No.24.16: **To Review the Admission Criteria for admission to various M. Tech. and M. Sc. programs through CCMT/CCMN/ IAT-2023.**

The Senate deliberated on the items and were not in favour of the proposal of CCMT-2023 for open admission to a programme for a candidate possessing any degree but having GATE/JAM papain that discipline of M.Tech Program.

Item No.24.17: **To consider and approve the minor revision in the existing Course Structure/ Syllabus of various Departments.**

The detailed discussion was made on the proposed revisions in the existing course structure and syllabi. The Senate approved in principle. However, Honourable members suggested to have one more review from domain experts. The Chairman Senate is authorized to approve the modified course structure and syllabi.

Item No.24.18: **To consider and approve the amendment of Table 9.1 : Grades and Grade Points of the existing UG and PG rules and regulations.**

The Senate deliberated the agenda at length and it was agreed that to maintain the quality of education, the suggestion made by the Institute SUGB is highly appreciated and the same is approved.

The Senate approved the following amendment under clause **"9"** of *"Table 9.1: Grades and Grade Points"* :

Existing Table:

Academic Performance	Range of Marks Score	Grades	Grade Points	Remarks
Failed due to absence in End-Term Examination/ poor performance/ academic malpractice	Below 35	FP	0	

Modified Table (Ammendments):

Academic Performance	Range of % Marks Score	Grades	Grade Points	Remarks
Failed due to absence in End-Term Examination/ poor performance/ academic malpractice/ **poor performance in End-Term Examination**	Below 35 (Overall or End-Term Examination)	FP	0	

Item No.24.19: **To consider and approve the Program Codes for various UG and PG Programs of the Institute.**

Earlier the program codes were not in practice. The matter was discussed in the meeting of Deans and HoDs and it was felt that having program codes also is a good practice. The Senate approved the agenda as proposed. The following program codes will be used for UG and PG programs of the Institute:

Name of the Program	Program Code
B. Tech. in Civil Engineering	BCE
B. Tech. in Computer Science and Engineering	BCS
B. Tech. in Electronics and Communication Engineering	BEC
B. Tech. in Electrical and Electronics Engineering	BEE
B. Tech. in Mechanical Engineering	BME
M. Tech. in Artificial Intelligence and Machine Learning	MCS01
M. Tech. in VLSI and Embedded Systems	MEC01
M. Tech. in Communication and Signal Processing	MEC02
M. Tech. in Electrical Engineering (specialization in Power and Energy Systems)	MEE01
M. Tech. in Electrical Engineering (specialization inPower Electronics and Drives)	MEE02
M. Tech. in Electrical Engineering (specialization in Robotics and Automation)	MEE03
M. Sc. in Chemistry	MCY01

Agenda for Ratification

Item No.24.20: **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.24.21: **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.

Agenda for Reporting

Item No.24.22: **To report the status admission in Ph.D. program for Odd Semester 2023-24 in various Departments.**

The Senate noted the same.

Item No.24.23: **To report the Seat Matrix of B. Tech., M. Tech. and M.Sc. programs for the academic year 2023-24.**

The Senate noted the same.

Item No.24.24: **To consider and approve the grade conversion of two B.Tech. final – year students studying at IIT Hyderabad.**

The Senate approved the same. The final year grades earned by two students at IIT Hydrabad will be converted as per the grading system of the Institute.

Item No.24.25 : **To consider and approve the extension of Ph.D. tenure of Mr. Rahul Deo Verma for one more year (i.e. eighth year) with effect from 18.01.2023.**

The agenda was discussed at length and in view of the COVID-19 pandemic and his absence from the Institute due to reason best known to the candidate was also discussed. The Senate is of the opinion that the period of absence from the Institute shall be trated as semester withdrawal and registration to his Ph. D. program shall be effective from 01.06.2023. He has to pay semester withdrawal fee as applicable.

The Senate approved the one year extension to Mr. Rahul Deo Verma of Computer Science and Engineering Department to complete his PhD program w.e.f 01.06.2023. One supervisor from the Institute will be assigned to guide on a regular basis. The Chairman Senate is empowered to take necessary decision in this regard.

Item No.24.26: **To consider and recommend the extension of the registration period of Mr.Keshab Das, Part-time Ph. D. scholar, Department of Electronics and Communication Engineering.**

The Senate approved the nine months of extension to Mr. Keshab Das of Electronics and Communication Engineering Department to complete his PhD program w.e.f 01.06.2023. The supervisor and HoD of Electronics and Communication Engineering Department will review his research progress on regular basis.

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

Dean Academic and Registrar I/c

Director & Chairman

COURSE STRUCTURE FOR B. Tech. 1st YEAR (1st SEMESTER) STUDENTS
EFFECTIVE FROM 2023 ADMITTED BATCH ONWARDS

For 1st SEMESTER- GROUP-I (CSE, ECE & EEE)

SL. No	SUBJECT CODE	SUBJECT NAME	L-T-P	CREDIT
1	MA11101	Mathematics I	3-1-0	4
2	PH11101	Engineering Physics	3-0-0	3
3	EE11101	Principles of Electrical and Electronics Engineering	3-0-0	3
4	CS11101	Computer Programming and Problem Solving	3-0-0	3
5	HS11101	English Language and Literature	2-1-0	3
		Practical and Sessional		
6	CS11201	Computer Programming Laboratory	0-0-4	2
7	PH11201	Engineering Physics Laboratory	0-0-2	1
8	EE11201	Electrical Engineering Laboratory	0-0-2	1
9	ME11201	Workshop Practice	0-0-3	2
10	HS11201	Language Laboratory I	0-0-2	1
		Total		23

For 1st SEMESTER- GROUP-II (CE & ME)

SL. No	SUBJECT CODE	SUBJECT NAME	L-T-P	CREDIT
1	MA11101	Mathematics I	3-1-0	4
2	CY11101	Engineering Chemistry	3-0-0	3
3	CY11102	Health, Safety and Environment	2-0-0	2
4	CS11101	Computer Programming and Problem Solving	3-0-0	3
5	HS11101	English Language and Literature	3-0-0	3
		Practical and Sessional		
6	CS11201	Computer Programming Laboratory	0-0-4	2
7	CY11201	Engineering Chemistry Laboratory	0-0-3	2
8	ME11202	Engineering Graphics	0-0-3	2
9	HS11201	Language Laboratory I	0-0-2	1
		Total		22

COURSE STRUCTURE FOR B.Tech. 1st YEAR (2nd SEMESTER) STUDENTS
EFFECTIVE FROM 2023 ADMITTED BATCH ONWARDS

For 2nd SEMESTER- GROUP-I (CSE, ECE & EEE)

SL. No	SUBJECT CODE	SUBJECT NAME	L-T-P	CREDIT
1	MA12101	Mathematics II	3-1-0	4
2	CY12101	Engineering Chemistry	3-0-0	3
3	EC12101	Electronics Devices and Circuits	3-0-0	3
4	CS12101	Foundation of Computing	2-0-0	2
5	CY12102	Health, Safety and Environment	2-0-0	2
6	HS12101	Human Values and Effective Communication	1-1-0	2
		Practical and Sessional		
7	CY12201	Engineering Chemistry Laboratory	0-0-3	2
8	CS12201	Computing Laboratory	0-0-4	2
9	EC12201	Electronics Engineering Laboratory	0-0-2	1
10	ME12202	Engineering Graphics	0-0-3	2
11	HS12201	Language Laboratory II	0-0-2	1
12	ZZ12202	Behaviour and Discipline	-	-
		Total		24

For 2nd SEMESTER- GROUP-II (CE & ME)

SL. No	SUBJECT CODE	SUBJECT NAME	L-T-P	CREDIT
1	MA12101	Mathematics II	3-1-0	4
2	PH12101	Engineering Physics	3-0-0	3
3	ME12101	Engineering Mechanics	3-1-0	4
4	CS12101	Foundation of Computing	2-0-0	2
5	EE12101	Principles of Electrical and Electronics Engineering	3-0-0	3
6	HS12101	Human Values and Effective Communication	2-0-0	2
		Practical and Sessional		
7	PH12201	Engineering Physics Laboratory	0-0-2	1
8	CS12201	Computing Laboratory	0-0-4	2
9	ME12201	Workshop Practice	0-0-3	2
10	EE12201	Electrical Engineering Laboratory	0-0-2	1
11	HS12201	Language Laboratory II	0-0-2	1
12	ZZ12202	Behaviour and Discipline	-	-
		Total		25