NATIONAL INSTITUTE OF TECHNOLOGY SIKKIM

(An Institution of National Importance, Ministry of Education, Govt. of India)

Minutes of the Meeting of 16th Senate

The 16th Meeting of the Senate was held on 19th June 2021 at 04:00 PM under Chairmanship of Prof. Mahesh Chandra Govil, Director & Chairman, Senate in the conference room of Director office through virtual mode. The following members were present in the meeting:

S.No.	Name	Designation
1.	Prof. Mahesh Chandra Govil	Director and Chairman, Senate
2.	Prof. Lalit Kumar Awasthi	External Expert
3.	Prof. Supriya Agarwal	External Expert
4.	Prof. Virendra Singh	External Expert
5.	Prof. Adrijit Goswami	External Expert
6.	Dr. Achintesh N. Biswas	Secretary
7.	Dr. Ranjan Basak	Member
8.	Dr. Md. Nurujjaman	Member
9.	Dr. Anjan Kumar Ray	Member
10.	Dr. Sangram Ray	Member
11.	Dr. Aurobinda Panda	Member
12.	Dr. Pratyay Kuila	Member
13.	Dr. Shambhunath Barman	Member
14.	Dr. Sanjay Kumar Jana	Member
15.	Dr. Taraknath Kundu	Member
16.	Dr. Dhananjay Tripathi	Member
17.	Dr. Om Prakash	Member
18.	Dr. Anindya Biswas	Member
19.	Dr. Sourav Mallick	Member

At the outset, the Chairman welcomed all the members present in the meeting and appreciated the hard work put in the academic growth. The special thanks are due to the distinguished external expert members of the Senate for their valuable contributions and cooperation in the development of this new Institution.

The following agenda items were discussed and decisions taken:

Item No.16.01: **To confirm the Minutes of the Meeting of the 15th Senate held on 26th March 2021.**

The Minutes were circulated amongst the members, no comments were received. The minutes of the meeting of 15th Senate were unanimously confirmed by the house.

Item No.16.02: **Academic Report & Action Taken Report.**

The Senate noted the academic report and the action taken by the Institute. The Senate appreciated the efforts put in by the departments for timely completion of academic activities in this difficult time of pandemic.

Item No.16.03: **To consider and approve the recommendations of committees for effective implementation of NEP-2020.**

The various committees were constituted in different thematic areas during the meeting of 15th Senate held on 26th March 2021 to study in-depth and to recommend the implementation policies/measures on the National Education Policy 2020 as envisaged by the Government of India. These committees consist of Prof. Lalit Kumar Awasthi, Director, NIT Jalandhar, Prof. R. K. Garg, NIT Jalandhar, Prof. Virendra Singh, IIT Bombay, Prof. Adrijit Goswami, IIT Kharagpur, Prof. Supriya Agarwal, Central University of Rajasthan, Mr. Dinesh Thawani, Celebal Technologies and internal members of the Institute. These committees have prepared an exhaustive strategic plan by refining the short-term and long-term goals for the implementation mechanism.

The Senate, after due deliberation, approved the recommendations of the committees, on the following thematic areas:

(a) Academic Reforms.
(b) Research and Development Activities.
(c) Internationalization.
(d) Promotion of Indian Language and Culture.
(e) National Innovation and Start-up Policy.

The Senate appreciated the exhaustive exercise done by the committee members for drafting the Institute level strategic plans for implementation of the National Education Policy 2020 as envisaged by the Government of India. The Senate further directed the committees to prepare the road maps for the implementation mechanism. The committees are expected to finalize the above within one month so that some of them can be implemented from the academic session 2021-22. Furthermore, the Senate advised that the committees entrusted with task of implementation of various objectives of NEP 2020 will explore the signing of MoU with National and International institutions and arrange to sign the MoUs in phased manner. The HSS Department may begin with signing the MoU with University of Delhi.

Item No.16.04: To consider and approve the recommendations of the empowered committee on additional special eligibility criteria for admission in M. Sc. Chemistry program through CCMN/ IAT.

The Senate approved the recommendations of the committee for eligibility criteria for admission to M.Sc. Chemistry program at NIT Sikkim through CCMN/ IAT (Institutional Admission Test). The given criteria shall be effective from academic session 2021-22:

"B.Sc. degree (3 years / 4 years) with Chemistry as the main subject in at least six (06) semesters."

Item No.16.05: To consider and approve the semester registration and teaching-learning process for Odd semester 2021-22.

The Senate deliberated and approved the registration and teaching-learning process to be adopted for odd semester 2021-22 for UG, PG and Ph.D. program. The senate also approved that – (i) the hostel fee shall be waived off fully, if students are not residing in the hostel. (ii) If students are called to attend the classes and reside in the hostel, the hostel fee shall be charged proportionately, (iii) the Institute fee shall be charged as applicable, (iv) the tentative academic calendar for odd semester 21-22 is approved and attached at **Annexure-I.**

Item No.16.06: To consider and approve the seat matrices for B.Tech., M. Tech. and M.Sc. programs for 2021-22.

The Senate approved seat matrix for admission in B. Tech. (both with and without EWS), M. Tech. and M.Sc. programs for 2021-22. The seat matrices for B.Tech. programs shall be applicable as per directions of the Ministry of Education, Govt. of India. The Senate asked the Dean Academic to remind the Ministry of Education regarding the matter and decision. The seat matrices are placed at **Annexure-II.**

The Senate also asked the Dean Academic to remind the Ministry of Defence/Concerned Department, Govt. of India regarding the availability of supernumerary seats reserved for direct admission to Defence Officers in the M.Tech. Program.

Item No.16.07: To consider and approve the advertisement for Ph.D. admission in Odd semester 2021-22.

The agenda was approved as proposed. The advertisement for the admission to Ph.D. program for the odd semester 2021-22 in various departments shall be published as per the amended rules and regulations of Ph.D. program.

Item No.16.08: To consider and approve the organization of 4th Convocation ceremony through virtual mode.

The Senate approved the agenda item. The Chairman Senate was empowered to finalize the date of convocation, guests, etc.

Item No.16.09: To consider and approve the list of B. Tech., M. Tech. and M. Sc. students for the award of degrees and various medals in the 4th Convocation.

The agenda item was approved. The approved list of degree and medal recipients in the 4th Convocation except the recipient of Director's and Institute Gold Medal is placed at **Annexure-III.** The Director's and Institute Gold Medal will be finalized as per the approved criteria and shall be approved by Chairman Senate.

Item No.16.10: To consider and approve the award of Ph.D. degree in Engineering in the 4th Convocation.

The Senate approved the award of Ph.D. degree in Engineering to the following four candidates:

S. No.	Name of the Ph.D. Scholar	Department/Title of the Thesis/Name of the Supervisor(s)	Date of TODE
1	**Ms. Reshmi Dhara** **Roll No.** PHEC14003 **Registration No.** 2016050003	**Department:** ECE **Title of the Thesis:** Design, Development and Performance Evaluation of Printed Antennas with Polarization Diversity and Multiband Characteristics for Wireless Communication Application **Name of Supervisor(s):** (i) Dr. Sanjay Kumar Jana, Assistant Professor, Dept of ECE, NIT Sikkim (ii) Prof. Mahendra Mohan Sharma, Professor, Dept. of ECE, MNIT Jaipur	26.05.2021
2	**Ms. Gopa Bhaumik** **Roll No.** PHCS14007 **Registration No.** 2015050007	**Department:** CSE **Title of the Thesis:** Development of Conventional and Deep Learning Techniques for Effective Hand Gesture Recognition **Name of Supervisor(s):** (i) Prof. Mahesh Chandra Govil, Director, NIT Sikkim (ii) Dr. Santosh Kumar Vipparthi, CSE, MNIT Jaipur	29.05.2021

3	**Md. Sarfaraj Alam Ansari** **Roll No.** PHCS14005 **Registration No.** 2015050005	**Department:** CSE **Title of the Thesis:** Characterization of Peer-to-Peer Traffic and Efficient Handling of Peers' Demeanor in Live Streaming **Name of Supervisor(s):** (i) Prof. Mahesh Chandra Govil, Director, NIT Sikkim (ii) Dr. Kunwar Pal, Assistant Professor, Dept. of CSE, NIT Jalandhar	16.06.2021
4	**Mr. Pankaj Kumar Keserwani** **Roll No.** PHCS14002 **Registration No.** **2016050002**	**Department:** CSE **Title of the Thesis:** Development of Approaches for Ad-Click Fraud and Network Intrusion Detection **Name of Supervisor(s):** (i) Prof. Mahesh Chandra Govil, Director, NIT Sikkim (ii) Dr. Emmanuel Shubhakar Pilli, Associate Professor, Dept. of CSE, MNIT Jaipur	17.06.2021

Item No.16.11: To consider and approve the recommendations of the committee for fees and other charges for non-degree scholars/students during the exchange program.

The Senate, after due deliberation, unanimously approved the recommendations of the committee given at **Annexure-IV**. The UG, PG and PhD rules and regulations shall be amended accordingly.

Item No.16.12: To consider and approve the inclusion of external joint Ph.D. Supervisor for two scholars of ECE Department.

After due deliberations, the agenda was not approved.

Item No.16.13: To consider and approve the committee and additional guidelines for change of branch for B. Tech. program

The Senate constituted the following committee for scrutiny of applications and recommendations of branch change for the eligible students as per the norms:

a) Dean Academic — Convener
b) Dean Student Welfare — Member

c)	Associate Dean Academic	Member
d)	Assistant Registrar, Academic	Member

Further, due to Covid-19 pandemic situation, the practical/ sessional evaluation of first and second semester may be late. However, all the members are of the opinion that the change of branch should be based on the marks/CGPA obtained in theory subjects excluding practical/sessional. Therefore, the change of the branch for the session shall be carried out as per the above directions of the Senate.

The additional guidelines, if needed, shall be prepared by the committee and approved by the Chairperson Senate.

Item No.16.14: **To consider and approve the cancellation of enrollment of students from the Institute.**

The Senate approved the cancellation of enrolment of the following students from 2021-22 academic session:

Roll. No.	Name	Program
B200018CE	Karanjit Ahongshangbam	B.Tech.
B200090EC	Amit Kumar	B.Tech.

The notice for cancellation of studentship shall be issued by the office of the Dean Academic.

Item No.16.15: **To consider and approve the revised criteria for selection of students for the award of various medals from 2020 pass out batch onwards.**

The Senate deliberated and approved the criteria with minor modifications as under:

(i) **The Director's Gold Medal:**

S. No.	Key Parameters	Existing	Proposed
1	(a) Academic excellence (CGPA)	60%	40%
	(b) Excellence in innovation/publication etc.	5%	15%
2	Extra and co-curricular activities:		
	(a) Excellence in activities such as sports, cultural, quiz, hackathon/similar activities, etc. within the Institute	15%	10%
	(b) Excellence in outreach activities such as sports, cultural, quiz, Hackathons/similar activities, etc. outside the Institute	5%	10%
	(c) Excellence in community development	5%	10%

3	Discipline and contribution to Institutional work	10%	15%

The decision of the committee regarding consideration of various activities and marks awarded shall be final and binding on all the students.

The Institute Gold Medal and Departmental Gold Medal will be as per the existing criteria of the Institute Rules and Regulations of UG/PG Programs.

Agenda for Ratification

Item No.16.16: **To ratify the decisions taken in the meeting of Heads and Deans.**

The Senate ratified and approved the decisions taken in the meetings.

Item No.16.17: **To ratify the decision of commencement of M. Tech. in Electronics and Communication Engineering in place of M. Tech. in Microelectronics and VLSI Design.**

The Senate deliberated and approved the proposal with minor modification in the course curriculum. The course on VLSI may be included as a core course in First and Second Semester. The course content shall be finalized in consultation with Prof. Virendra Singh, IIT Bombay.

Agenda for Reporting

Item No.16.18: **To report the admission status in the Ph. D program for even semester 2020-21.**

The Senate noted the admission of 18 candidates in the Ph.D. program.

Item No.16.19: **To report the list of courses offered to the Ph.D. students.**

The Senate approved the proposed courses of recognized digital platforms to be offered as course work of Ph.D. program. The evaluation will be done by the DGC/DPGC judiciously along with ensuring usefulness of the subjects offered.

The department wise list of approved courses is placed at **Annexure-V**.

Item No.16.20: **To consider and approve the revised Institute fee structure for B.Tech., M.Tech., M.Sc. and Ph.D program.**

The Senate deliberated and unanimously approved the proposed revised fee structure for B.Tech., M.Tech. and M.Sc., PhD (Full time) and PhD (Part time) programs. The revised approved fee structures of all the programs are placed at **Annexure-VI**.

Item no:16.21: **To consider and approve the course code of the following electives subjects of B.Tech. program in the Department of Electrical and**

Electronics Engineering.

The Senate approved following course codes in the curriculum of B.Tech. program of the Electrical and Electronics Engineering Department:

(i) DYNAMICS AND CONTROL OF MICROGRIDS- EE1*119

(ii) ELECTRIC VEHICLES- EE1*142

Item No.16.22: **To report the minor revision of rules and regulations for UG, PG and Ph.D. program.**

The Senate noted and approved the amendments/minor revisions as enclosed **(Annexure-VII).** The existing rules and regulations shall be updated accordingly.

Item No.16.23: **Any other items with the permission of the Chair.**

The following issues were taken up in the Senate for the discussion and actions/noting:

(i) Memorandum of Understanding (MoU) with reputed institutes such as IIT Bombay, IIT Kharagpur, IIT Delhi, NIT Hamirpur, NIT Jalandhar etc. will be signed for academic and research collaboration; exchange program; the effective implementation of the NEP 2020, etc.

(ii) The MoU circulated by IIT Delhi will be revised as per the Institute requirements and shall be signed at the earliest possible.

(iii) The Senate appreciated and thanked the following esteemed faculty/industry members for teaching B.Tech. courses to the students of NIT Sikkim during even semester 2020-21:

(a) Prof Virendra Singh, IIT Bombay

(b) Prof. Vineet Sahula, MNIT Jaipur

(c) Dr. Amit Joshi, MNIT Jaipur

(d) Prof. Karam Veer Arya, ABV IIITM Gwalior

(e) Dr. Emmanuel S. Pilli, MNIT Jaipur

(f) Shri Raj Kamal Mittal, Director (Trg & Co-ord.), College of Military Engineering, Pune
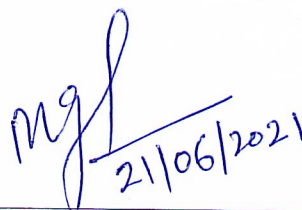
The meeting ended with vote of thanks to the chair.

Registrar

Dean Academic

Director & Chairman

21/06/2021