राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली
NATIONAL INSTITUTE OF TECHNOLOGY DELHI
(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)

(An autonomous Institute under the aegis of Ministry of Education (Shiksha Mantralaya), Govt. of India)
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MINUTES OF THE 16TH MEETING OF SENATE, NIT DELHI
HELD ON NOVEMBER 03, 2023 AT 02:30 PM IN THE COMMITTEE ROOM,
4TH FLOOR, ADMIN BLOCK, NIT DELHI

The Following members were present in the meeting:

1.	Prof. Ajay Kumar Sharma Director, NIT Delhi	:	Chairman
2.	Prof. Akshay Dvivedi, Professor, Department of Mechanical Engineering, IIT Roorkee **(Online)**	:	Member
3.	Prof. Vinod Kumar Garg, Professor, Department of Environmental Science and Technology, School of Environment and Earth Sciences, Central University of Punjab	:	Member
4.	Dr. Harish Kumar Dean Academics, NIT Delhi	:	Member
5.	Dr. V S Pandey Dean Faculty Welfare, NIT Delhi	:	Member
6.	Dr. Obbu Chandrasekhar Dean Planning and Development, NIT Delhi	:	Member
7.	Dr. Anurag Singh Dean Research and Consultancy, NIT Delhi	:	Member
8.	Prof. Jyoteesh Malhotra Dean Student Welfare, NIT Delhi	:	Member
9.	Dr. A P Singh Head of the Department (AS & HM), NIT Delhi	:	Member
10.	Dr. Ajay Kumar Head of the Department (CE), NIT Delhi	:	Member
11.	Prof. Geeta Sikka Head of the Department (CSE), NIT Delhi	:	Member
12.	Prof. Manoj Kumar Head of the Department (ECE), NIT Delhi	:	Member
13.	Prof. Ujjwal Kalla Head of the Department (EE), NIT Delhi	:	Member
14.	Dr. Leeladhar Nagdeve Head of the Department (ME), NIT Delhi	:	Member
15.	Dr. Indu Joshi Head (CC), NIT Delhi	:	Member
16.	Dr. Kapil Kumar Head (T&P), NIT Delhi	:	Member
17.	Sh. Ravinder Kumar Registrar, NIT Delhi	:	Secretary

At the outset, the Chairman welcomed all the members present in the meeting. The Chairman requested all the Senate members to give their inputs to take the Institute to the next level. The Chairman requested Dean Academics to present the agenda.

Senate/16/2023/01	To Note and Confirm the Minutes of the 15th meeting of Senate held on March 21, 2023.

The Dean Academic briefed the senate that the minutes of 15th Meeting of the Senate held on March 21, 2023 were circulated to all the members and no comments have been received. It was resolved that the minutes of 15th Meeting of senate held on March 21, 2023 are confirmed as circulated.

Senate/15/2023/02	To Note the Action Taken Report on the Minutes of the 15th Meeting of Senate held on March 21, 2023.

The Senate was apprised of the Action Taken Report on the minutes of the 15th Senate meeting (dated March 21, 2023):

Agenda Item No.	Agenda Item	Action Taken
Senate/15/2022/03	3.1 To consider and approve the Vision and Mission of the Department of Electrical Engineering.	Approved and Implemented
	3.2 To consider and approve the Program Educational Objective (PEOs) of the Department of Electrical Engineering and Program-Specific Outcomes (PSOs) for B. Tech programme of the Department.	
	3.3 To consider and approve the proposal for modification in course codes and approve the revised scheme for B. Tech programme in Electrical Engineering from 2022-23 onwards in accordance with the institute policy and NEP 2020.	
	3.4 To consider and approve the proposal for modification in course codes and further approval of the revised scheme for both Full Time and Part Time M. Tech in Power Electronics & Drives (PE&D) programme of Electrical Engineering from 2022-23 onwards in accordance with the	

	institute policy and NEP 2020. 3.5 To consider and approve the proposal for modification in course codes and further approval for the revised scheme for both Full Time and Part Time M. Tech in Power and Energy Systems programme in Electrical Engineering from 2022-23 onwards in accordance with the institute policy and NEP 2020. This M. Tech programme will start in the next academic year 2023-24. 3.6 To consider and approve the proposal for modification in course codes and further approval for the revised scheme for both Full Time and Part Time M. Tech in Power and Energy Systems programme in Electrical Engineering from 2022-23 onwards in accordance with the institute policy and NEP 2020. This M. Tech programme will start in the next academic year 2023-24. 3.7 To consider and approve the proposal of panel of external examiners for M. Tech Dissertation (EEPM 651) in Power Electronics & Drives (PE&D) and Power and Energy Systems (PES) offered in the electrical engineering department.	
Senate/15/2021/04	The Honorable Senate is kindly requested to consider and approve the course curriculum of BTech (ECE) program. 4.1 To Consider and Approve the Proposal for Modification in course code and to submit The revised scheme and syllabus for the B. Tech Degree Programme in the ECE Department effective from AY 2022-2023 onwards in accordance with The National Education Policy 2020 by The Govt of India.	Approved and Implemented

4.2 To consider and approve the proposal for modification in course code and to submit the revised scheme and syllabus for the M. Tech degree programme for Electronics and Communication Engineering in the ECE department effective from AY 2022-2023 onwards in accordance with the National Education Policy 2020 by the Govt of India.

4.3 To consider and approve the proposal for modification in course code and to submit the revised scheme and syllabus for the M. Tech degree programme for Electronics and Communication Engineering (VLSI) in the ECE Department effective from AY 2022-2023 onwards in accordance with the National Education Policy 2020 by the Govt of India.

4.4 To consider and approve the proposal for vision and mission of the Electronics and Communication Engineering Department of the National Institute of Technology Delhi.

4.5 To consider and approve the proposal for Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Programme Specific Objectives (PSOs) of the B. Tech degree programme offered in the Electronics and Communication Engineering department of National Institute of technology Delhi.

4.6 To consider and approve the proposal for Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Programme Specific Objectives (PSOs) of the M. Tech degree programme in Electronics and Communication offered in the Electronics and Communication

	Engineering Department of National Institute of Technology Delhi. 4.7 To consider and approve the proposal for Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Programme Specific Objectives (PSOs) of the M. Tech degree Programme in Electronics and Communication Engineering (VLSI) offered in the Electronics and Communication Engineering Department of National Institute of Technology Delhi. 4.8 To consider and approve the proposal of panel of external examiners for the M. Tech ECE Dissertation-II course (ECEM 651) and M. Tech ECE (VLSI) Dissertation-II course (ECVM 651) offered in the Electronics and Communication Engineering department of National Institute of Technology Delhi.	
Senate/15/2022/05	To consider and approve the recommendations related to CSE Department. 5.1 To consider and approve the Vision, Mission, Program Educational Objectives (PEOs) and Program-Specific Outcomes (PSOs) for B Tech Program of the Computer Science and Engineering Department. 5.2 To consider and approve the Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) for the M Tech Computer Science and Engineering (Analytics) Program. 5.3 To consider and approve the proposal for initiating B Tech program in Artificial Intelligence and Data Science	Approved and Implemented

	with intake of 20 seats. 5.4 To consider the proposal for modification in Course Codes for M Tech Program in Computer Science and Engineering from 2022-23 batch onwards in accordance with the Institute policy and National Educational Policy (NEP) 2020. 5.5 To consider the proposal for modification in Course Codes for M Tech Program in Computer Science and Engineering (Analytics) from 2022-23 batch onwards in accordance with the Institute policy and National Educational Policy (NEP) 2020. 5.6 To consider the proposal for modification in course codes and approve the revised scheme for B Tech Programme in Computer Science and Engineering from 2022-23 onwards in accordance with the Institute policy and NEP 2020. 5.7 To revise the existing list of Department Electives for M Tech CSE and M Tech CSE (Analytics) from year 2023 onwards and subsequent revision in the course codes. 5.8 To revise the existing list of Department Electives for B Tech batch 2022 onwards and subsequent revision in the course codes. 5.9 To consider and approve the Panel of External Examiners for the Dissertation II course evaluation of M Tech CSE(A) and M Tech CSE. 5.10 To consider and approve the names assigned to the existing laboratories in the CSE Department.	

Senate/15/2022/06	To consider and approve the recommendations related to Civil Engineering Department. 6.1 To Consider and approve the recommendation of course curriculum scheme for BTech Civil Engineering as per NEP2020. 6.2 To consider and approve the recommendations of Civil Engineering Department Vision and Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Objectives (PSOs).	Approved and Implemented
Senate/15/2022/07	To consider and approve the recommendations regarding programs run by the Department of Mechanical Engineering 7.1 The Honorable Senate is kindly requested to consider and approve the updated course scheme and curriculum of running BTech (Mechanical Engineering) in accordance with NEP 2020/ NBA from Academic Year 2022-2023. 7.2 The Honorable Senate is kindly requested to consider and approve the updated course scheme and curriculum of running MTech (CAD/CAM) in accordance with NEP 2020/ NBA from Academic Year 2022-2023.	Approved and Implemented
Senate/15/2022/08	To consider and approve the recommendations regarding programs run by the Department of Applied Sciences.	Approved and Implemented
Senate/15/2022/09	To consider and approve the recommendations regarding appointment as Visiting Professor. 9.1 The Honorable Senate is kindly	Approved and Implemented

	requested to consider and approve the appointment of Professor D P Agrawal, Former Chairman, UPSC in-line with the Senate agenda Senate/14/2022/12. 9.2 The Honorable Senate is kindly requested to consider and approve the appointment of Dr. Vikas Rana, Forschungszentrum Jülich GmbH, in-line with the Senate agenda Senate/14/2022/12. 9.3 The Honorable Senate is kindly requested to consider and approve the appointment of Professor Bijandra Kumar, Elizabeth City State University, in-line with the Senate agenda Senate/14/2022/12. 9.4 The Honorable Senate is kindly requested to consider and approve the appointment of Professor Peter H Yoon, University of Maryland, in-line with the Senate agenda Senate/14/2022/12. 9.5 The Honorable Senate is kindly requested to consider and approve the appointment of Professor Sunil Pandey, Ex-Professor, IIT Delhi, in-line with the Senate agenda Senate/14/2022/12. 9.6 The Honorable Senate is kindly requested to consider and approve the appointment of Professor Sukumar Mishra, Professor, IIT Delhi, in-line with the Senate agenda Senate/14/2022/12.	
Senate/15/2022/10	To consider and approve the recommendations regarding appointment as Joint Professor.	Approved and Implemented
Senate/15/2022/11	To consider and approve the intake in BTech and MTech programs for the AY 2023-24 and onwards.	Approved and Implemented

Senate/15/2022/12	To consider and approve the replacement of 'R' grade with 'F' grade for the students having less than 75% attendance as a special case only for the AY 2022-2023.	Approved and Implemented
Senate/15/2022/13	To ratify the conversion of Ms. Aamna Gupta (CSE department, Roll no. 213212201) from PhD (Part Time) to PhD (Full Time).	Approved and Implemented

Agenda Item No.	Agenda Item	Resolution
Senate/16/2023/03	To consider and approve the recommendations related to the BTech programs.	
	3.1 To consider and approve the recommendation of the Department of Civil Engineering regarding the updated course curriculum of BTech Civil Engineering	The Honorable Senate approved the agenda item.
	3.2 To consider and approve the change of nomenclature of the course, Extracurricular Activities (Sports) to the Holistic Health and Sports with credit structure (L T P C 0 0 2 1), and the implementation in the BTech curriculum.	The Honorable Senate approved the agenda item with the following suggestions: • The courses, Nature and Care/ EAPB have been removed from the curriculum of all the BTech First Year courses. • The course, HSPB 150 shall be running instead of Nature and Care with L T P C 0 0 2 1. • The subject HSPB 150 shall run in each BTech discipline (AI&DS, CE, CSE, ECE, EE and ME) and is distributed in either the First semester or the

		Second semester so that the academic load incurred to the SASO is uniform.
	3.3 to consider and approve the course code scheme for the BTech Artificial Intelligence and Data Science (AI&DS) program from AY 2023-24.	The Honorable Senate approved the agenda item.
	3.4 To consider and approve the Program Educational Outcome (PEOs) and Program Specific Outcomes (PSOs) for BTech AI&DS program.	The Honorable Senate approved the agenda item.
	3.5 To consider and approve the syllabus for the first year courses BTech AI&DS for 2023 scheme.	The Honorable Senate approved the agenda item with the suggestion to have a mandatory course on Environmental Sciences with minimum 2 credits for all the BTech disciplines (AI&DS, CE, CSE, ECE, EE and ME), if not included so far.
	3.6 To consider and approve the syllabus for BTech First Year and Second Year BTech CSE program for AY 202-23 scheme.	The Honorable Senate approved the agenda item with the suggestion to have a Distinct between the electives clearly such as bouquet 1 and bouquet 2.
	3.7 To consider and approve CSL 484 Foundation of Neural Networks as an open elective course for BTech CSE program effective from AY 2015-16.	The Honorable Senate approved the agenda item.
	3.8 To consider and approve the recommendation regarding offering of the subjects Electrical Measurements and IOT in BTech Third Semester and BTech EE Fourth Semester respectively.	The Honorable Senate approved the agenda item.
	3.9 To consider and approve the recommendation regarding updated BTech EE course curriculum effective	The Honorable Senate approved the agenda item.

	from AY 2022-23.	
	3.10 To consider and approve the revised course curriculum of the course EEL 316, Renewable Energy Systems for the BTech EE program effective from AY 2015-16.	The Honorable Senate approved the agenda item with the following suggestions: • To have adequately detailed syllabus with inclusion of bio-energy in Unit I with no repetition among topics of Unit I and Unit V. • Inclusion of applications of renewable energy for better understanding in Unit V. • The subject should be offered as an Open Elective for BTech 3rd year students. • All Departments should take care not to include the course coordinator name over the syllabus displayed over the Institute website.
	3.11 To consider and approve the BTech Regulations effective from AY 202-23.	The Honorable Senate approved the agenda item.
Senate/16/2023/04	The Honorable Senate is kindly requested to consider and approve the recommendation related to MTech programs. 4.1 To consider and approve the discontinuation the MTech Smart Materials and Technology program offered by the Department of Applied Sciences and to start the MTech Industrial Chemistry program from AY 2024-25.	The Honorable Senate approved the agenda item with an intake of 06 (CCMT) and 15 (SFS) in the MTech Industrial Chemistry program as per prevailing guidelines.

	4.2 To consider and approve the Vision, Mission and Goal of the Department of Applied Sciences.	The Honorable Senate suggested reviewing the Vision, Mission and Goal of the Department after detailed deliberations with the stake holders and re-submitting the same again in the next meeting of Senate for further consideration.
	4.3 To consider and approve the Program Educational Outcome (PEOs) and Program Specific Outcomes (PSOs) for MTech CSE program.	The Honorable Senate approved the agenda item.
	4.4 To consider and approve the revised course curriculum for MTech CSE for the AY 2023-24.	The Honorable Senate approved the agenda item with the suggestion to have a course on Seminar (01 Credit) and a MOOC course (03 Credits).
	4.5 To consider and approve the subject codes for Network and Data Security CSBM 651 to CSBM 678 and Block-chain Technology in the MTech CSE and MTech CSE (Analytics) for the scheme of Block-chain Technology from CSBM 652 to CSBM 679.	The Honorable Senate approved the agenda item.
	4.6 To consider and approve addition of a course Distributed Databases (CSBM 662) in the following Elective Courses bouquets of the MTech CSE scheme.	The Honorable Senate dropped the agenda item.
	4.7 To consider and approve the course curriculum MTech Power and Energy Systems and MTech Power Electronics and Drives effective from AY 2023-24.	The Honorable Senate suggested the following: • The said MTech programs must have at-least 50 % core courses different. • The said MTech programs must have different program electives. • The Hon'ble Chairman Senate is authorized to approve the above

		changes after re-submission of the updated curriculum by the Department after conducting DBoS meeting.
	4.8 To consider and approve to withdraw SFS MTech Part-Time program from AY 2023-24.	The Honorable Senate approved the agenda item.
	4.9 To consider and approve the recommendation of the Department of Mechanical Engineering regarding start of SFS MTech (Executive) program in the disciplines of CAD/CAM & Additive Manufacturing from AY 2023-24 (delayed).	The Honorable Senate approved the agenda item with the following suggestions: • The course curriculum to be revised for the Semester I and Semester II with 5 Theory subjects with credit structure same to regular MTech program (Each Semester to have 20 credits and 80 credits are required to have MTech degree). • Efforts should be made to have 30 % credits to be taken by Industry professionals in MTech Semester I & Semester II. • The tuition fee shall be 2 times to the tuition fee of the regular program.
	4.10 To consider and approve the MTech Regulations effective from AY 2022-23.	The Honorable Senate approved the agenda item.
	4.11 To consider and approve the SFS MTech Regulations effective from AY 2022-23.	The Honorable Senate approved the agenda item.
Senate/16/2023/05	To consider and approve the recommendations related to the PhD program.	
	5.1 To consider and approve the recommendation of the Department of	The Honorable Senate suggested adopting the

	Civil Engineering regarding the courses to be offered for the PhD Scholars registered in the Institute.	common courses of MTech programs of other disciplines such as Simulation and Modeling, Finite Element Analysis, Computer Aided Design, Optimization Techniques etc. in addition to the mandatory course of Research Methodology by the PhD scholars in the Department of Civil Engineering and MOOC/ NPTEL courses as per prevailing guidelines for PhD.
	5.2 To consider and approve the recommendations related to Conferment of PhD Degree.	The Honorable Senate approved the agenda item with the following suggestions: • To include the names of PhD scholars who will be successfully completing all the requirements for award of PhD degree until 1 week before the Convocation. • The Hon'ble Chairman, Senate is authorized to approve the inclusion of above said names.
	5.3 The Honorable Senate is kindly requested to consider and approve the updated regulations after incorporating amendments in the PhD rules and regulations along with the updated forms, applicable for all the PhD scholars including existing.	The Honorable Senate approved the agenda item with the following suggestion: • Updation of all the PhD related forms by constituting a committee approved by the Hon'ble Chairman, Senate. • The Hon'ble Chairman, Senate is authorized to approve the updated forms.

	5.4 To consider the case related to the application received from PhD scholar Ms. Shailza Kanwar regarding her Pre-PhD presentation/ PhD Thesis submission.	The Honorable Senate approved the agenda item and authorized Hon'ble Chairman, Senate to consider other similar cases appropriately, if any.
	5.5 To consider and approve the recommendation regarding the sponsored research project staff for his/her enrollment to the PhD program.	The Honorable Senate approved the agenda item with the suggestion to include the information in the PhD Regulations.
	5.6 To consider and approve the recommendation regarding the MCA/MSc candidates for his/her enrollment to the PhD program.	The Honorable Senate approved the agenda item with the suggestion of a minimum CGPA 8.5 or 80 % in BTech/MSc/MCA in the qualifying examination and to include the information in the PhD Regulations.
	5.7 To consider and approve the recommendation regarding the MTech pursuing candidates for his/her enrollment to the PhD program.	The Honorable Senate approved the agenda item with the suggestion of a minimum CGPA 7.5 or 70 % in the MTech First Year and the provision is to be included in the PhD Regulations.
	5.8 To consider and approve the recommendation regarding the SFS PhD candidate for his/her enrollment to the PhD program in the subsequent years for fellowship.	The Honorable Senate approved the agenda item with the suggestion to include the information in the PhD Regulations.
	5.9 To consider and approve the recommendation regarding the inclusion of ESCI indexed journals for minimum requirement for submitting PhD Thesis as from year 2023; the Clarivate has included ESCI indexed journals into Journal Citation Report along with impact factor.	The Honorable Senate approved the agenda item with the suggestion to include the information in the PhD Regulations.

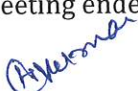| Senate/16/2023/06	To consider and approve the recommendations related to the Post-Doctoral Fellowship (PDF) program.	The Honorable Senate approved the agenda item with the following suggestions as eligibility in addition to the prevailing norms for Post-Doctoral Fellowship (PDF): The candidate with 1 patent granted, 2 publications in IEEE/ IET/ ACM Transactions/ Q1 (Quartile 1) journals, and 2 publications in IEEE/ACM/ Scopus indexed conferences may apply within 7 years of award of PhD degree.
Senate/16/2023/07	To consider and approve the recommendation of the Department of Electrical Engineering regarding Design, Installation and Development of Laboratory of the High Voltage Testing and Research.	The Honorable Senate approved the agenda item.
Senate/16/2023/08	To consider and approve the recommendation regarding the Academic Section. 8.1 To consider and approve the updated signatory names on the Degree, Provisional Degree, Grade-Sheet and Transcripts. The same may be valid from Spring Semester 2024-25 Session onwards. 8.2 To consider and approve the conferment of Degrees to B. Tech & M. Tech students.	The Honorable Senate approved the agenda item. The Honorable Senate approved the agenda item with the following suggestions: To include the names of BTech and MTech students who will be successfully completing all the requirements for award of BTech and MTech degree until 1

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		week before the Convocation. • The Hon'ble Chairman, Senate is authorized to approve the inclusion of above said names.
	8.3 To consider and approve the conferment of Medals to B. Tech & M. Tech students.	The Honorable Senate approved the agenda item.
Senate/16/2023/09	To ratify the amendments/ modifications in the Academic Calendar, SFS MTech refund norms, PhD Regulations, Post-Doctoral Fellowship (PDF) Regulations, and Consultancy Project norms. 9.1 The Honorable Senate is kindly requested to ratify the Academic Calendar for Autumn semester 2023.	The Honorable Senate ratified the agenda item.
	9.2 To ratify the Fee Refund Policy for FSS MTech admission withdrawal/ Cancellation.	The Honorable Senate ratified the agenda item.
	9.3 To ratify amendments in the PhD Regulations 2021 onwards.	The Honorable Senate ratified the agenda item.
	9.4 To ratify amendments in the Post-Doctoral Fellowship (PDF) norms effective from AY 2022-23.	The Honorable Senate ratified the agenda item.
	9.5 To ratify amendments in the Consultancy Projects (PDF) norms.	The Honorable Senate ratified the agenda item.
Supplementary Agenda		
Senate/16/2023/10-S	To consider and approve the proposal of permission to Non-NIT Delhi students to study 1 semester in the NIT Delhi.	The Honorable Senate approved the agenda item with the following suggestions: • This is applicable for BTech and MTech programs run by the Institute. • The student should be

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		- currently studying in the Institute with NIRF Ranking up to 100 (as per NIRF ranking for engineering category for the previous year). - The student should be currently enrolled in the programs run by the Institute with CGPA 8.0/75% or higher up to previous semester. - Student shall pay the applicable fee of the semester without any concession. - Not more than 10 students a semester of a discipline at a time (e.g. BTech CSE, 5th Semester) shall be permitted to be enrolled at a time. - After successful completion of the semester, the student shall be issued a Marksheet indicating his semester, grades obtained, subject studied and credits earned. - Hostel accommodation may be provided subject to the availability. - The guidelines may be included in the updated BTech and MTech Regulations.

The meeting ended with the thanks to the Chair.

(Dean Academics)

(Director) 26/12/23

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(Registrar, Secretary, Senate)