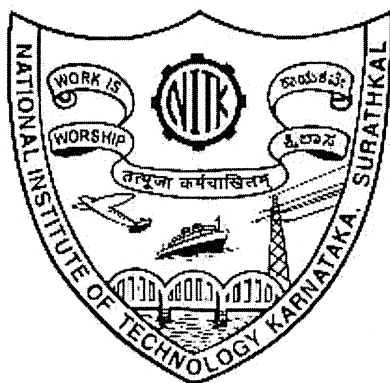


NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
P O SRINIVASNAGAR, MANGALURU - 575025



MINUTES OF
OF THE
43rd MEETING OF THE BOARD OF STUDIES

Date: 11 March 2026 (Wednesday)

Time: 02:30 PM

Venue: LHC-C Senate Hall, NITK Surathkal

**Minutes of the 43rd Board of Studies (UG, PG & Research) Meeting held on
Wednesday, 11th March 2026 in LHC-C Senate Hall, NITK Surathkal.**

Members Present

1. Dr. Dwarakish G S	Chairperson
2. Dr. Jose Mathew	External Member
3. Dr. Venkatesa Perumal	Member
4. Dr. M. Govinda Raj	Member
5. Dr. Udaya Bhat	Member
6. Dr. G.N. Kumar	Member
7. Dr. Rashmi Uchil	Member
8. Dr. Vinatha U	Member
9. Dr. Arun M	Member
10. Dr. Ramesh H	Member
11. Dr. Basavaraj Manu	Member
12. Dr. Harsha Vardhan	Member
13. Dr. B.R. Chandavarkar	Member
14. Dr. Ramesh Kini M	Member
15. Dr. Debashish Jena	Member
16. Dr. Anand Kumar M	Member
17. Dr. Keyur Raval	Member
18. Dr. Subhaschandra Kattimani	Member
19. Dr. B Rajasekaran	Member
20. Dr. Saikat Dutta	Member
21. Dr. Pushparaj Shetty D	Member
22. Dr. Partha Pratim Das	Member
23. Dr. Ritanjali Mahji	Member
24. Dr. Mallikarjun Angadi	Member
25. Dr. Udaya Kumar Dalimba	Special Invitee
26. Dr. Shashikantha Koudur	Special Invitee
27. Dr. Annappa	Special Invitee
28. Dr. Subray Hegde	Special Invitee
29. Dr. S M Kulkarni	Special Invitee
30. Dr. S Pavan Kumar	Special Invitee
31. Dr. Rekha S Bhat	Special Invitee
32. Dr. S B Arya	Special Invitee
33. Dr. B M Kunar	Special Invitee
34. Dr. Deepu Vijayasenan	Special Invitee
35. Dr. Amrites Senapati	Special Invitee
36. Dr. Hem Prasad Nath	Special Invitee
37. Dr. Manoj	Special Invitee
38. Mr. Akshay K	Special Invitee
39. Ms. Praseeda T P	Secretary

The following members could not attend the meeting and were granted a leave of absence.

1. Prof. T Laxminidhi	Member
2. Prof. Prasanna B D	Member
3. Shri. R K Shenoy	External Member



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL CONTENTS

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Agenda Items placed before the 43rd Meeting of the Board of Studies, NITK, Surathkal.

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The Chairperson (BOS) welcomed all the members to the meeting. The Chairperson also welcomed Prof. Jose Mathew of NIT Calicut as the new external member of the BOS.

Item No. 43-BOS-A: Confirmation of the Minutes of the 42nd Meeting of the BOS held on Wednesday, 15th October 2025, CCMT Meeting Hall/Google Meet at 03:00 PM.

The minutes of the 42nd meeting of the BOS were confirmed as circulated.

The minutes are attached as Annexure A.

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Item No. 43-BOS-1: Proposal of the Chairperson, Career and Curriculum Guidance Committee

Proposal	Resolution	
The Chairperson of the Career and Curriculum Guidance Committee (CCGC) has proposed discussing the implementation of the UG curriculum structure for Academic Year 2026-27. The proposed UG curriculum structure 2026 is attached as <u>Annexure B</u>.	The Chairperson of CCGC presented the new curriculum structure for undergraduate programmes to be implemented from the Academic Year 2026–27. He explained the salient features of the curriculum structure. He presented the common courses for the first-year students. The program-specific core courses will be offered from the third to the fifth semesters. Students can opt for an internship/ major project from the sixth semester onward. The departments also presented the detailed structure for the higher semesters. The E&C department was requested to revise the sixth-semester course structure in accordance with the approved course structure for Senate approval. The Department of Mining Engineering, Civil Engineering and WROE are required to revise the names of a few courses. All departments were requested to follow the institute's norms and formats for the course structure and to share the revised formats for approval by the Senate. The BOS resolved to recommend the	For Senate Approval

	proposed UG curriculum and course structure.	
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Item No. 43-BOS-2: Proposal for the establishment of the Department of Design and Entrepreneurship

Proposal	Resolution	
It is proposed to establish a Department of Design and Entrepreneurship at the institute. The details of the proposal are available in <u>Annexure C</u>	The PIC – STEP presented the proposal for the new Department. The Department of Design and Entrepreneurship is proposed in line with the mandate of the NEP 2020, with a focus on bridging the gap between research and real-world deployment of technology. The department will offer a UG Course, Design Thinking and Prototyping. The Department will also offer a minor programme in Innovation and Entrepreneurship. The department also plans to offer an M.Tech (Research) program and to conduct executive and capacity-building programs. The BOS resolved to recommend the proposal.	For Senate Approval

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Item No. 43-BOS-3: Proposal for the establishment of the Department of Physical Education and Life Skills.

Proposal	Resolution	
It is proposed to establish a Department of Physical Education and Life Skills at the institute. The details of the proposal are available in <u>Annexure D</u>.	The Associate Dean (PI) presented the proposal for the new department. The Department of Physical Education and Life Skills is proposed with a holistic vision to extend education beyond the classroom. The department will offer life skill activities to UG students from 1st to 7th semester that cover physical (sports), cultural, technical, and professional skills. The department will also offer a minor degree in Resilient Leadership under NADAL. The BOS resolved to recommend the proposal	For Senate Approval

Item No. 43-BOS-4: Framework for life-skill course activities and evaluation procedure

Proposal	Resolution	
The Chairperson of the CCGC has proposed discussing the framework for life-skill course activities and their evaluation procedures. The details of the proposal are available in <u>Annexure E</u>.	The Chairperson, CCGC, briefed about the various life skill courses proposed. The activities are classified under physical, cultural, technical, and professional skills. It is proposed to have at least 02 hours per week per activity (1 credit), and to participate in all four types of activities from the 1st to the 6th semester. The attendance requirement for Life Skill activities is the same as for any other course in the UG curriculum. It is proposed to give 60% weightage to participation and 40% to performance. The institute grading system will be followed. It was suggested that a component on first aid for physical activities be included. The external expert also suggested that credits may be given for student mentors The BOS resolved to recommend the proposal.	For Senate Approval

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Item No. 43-BOS-5: Proposal from the PIC -CCE- Proposal for an online PG Programme

Proposal	Resolution	
The PIC – CCE has forwarded the proposal from the Department of Electronics and Communication Engineering to initiate an online M.Tech Programme in Signal Processing and AI. The detailed programme structure is available in <u>Annexure F</u>.	The PIC – CCE briefed the regulations for online programs. The structure and syllabus of the proposed online M.Tech program from the E&C department were also deliberated in detail. It was informed to circulate the regulations among the departments and to obtain comments from all faculty members to finalise the regulations and the programme framework. The BOS resolved to recommend the proposal in principle.	For Senate Approval

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Item No. 43-BOS-6: Approval for NADAL minor programme 'Resilient Leadership'

Proposal	Resolution	
The PIC, NADAL, has proposed to discuss and approve the complete syllabus for the following five courses for the minor in 'Resilient Leadership' under the NITK Academy of Defence, Adventure and Leadership (NADAL) • NA201M: Introduction to Defence, Adventure and Leadership - (2-0-2)3 • NA202M: Self-Defence and Wilderness Survival - (2-0-2)3 • NA301M: Strategic Leadership and Team Management - (2-0-2)3 • NA302M: Mountaineering and Water Sports - (2-0-2)3 • NA401M: Leadership in the Armed Forces - (2-0-2)3 The detailed syllabus is available in <u>Annexure G</u>.	The BOS resolved to recommend the detailed syllabus for approval.	For Senate Approval

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Item No. 43-BOS-7: Proposals from the Department of Chemical Engineering

Inclusion of an experimental learning component in the existing course CH – 811, Computational Fluid Dynamics

Proposal	Resolution	
It is proposed to include an experimental component in the existing course CH811 Computational Fluid Dynamics, with a new credit distribution of (2-1-2)4 instead of (3-1-0)4 for M.Tech (Chemical Engineering) The details are available in <u>Annexure H</u>.	The BOS resolved to recommend the proposal.	For Senate Approval

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Item No. 43-BOS-8: Proposals from the Department of Computer Science and Engineering

Proposal to change the class duration	
Proposal	Resolution
The DFC of the CSE department has proposed increasing the class duration to 55 minutes (as before) from 45 minutes. The details are available in <u>Annexure I</u> .	The BOS resolved not to recommend the proposal.

The matter is placed before the BOS for discussion and approval.

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Item No. 43-BOS-9: Proposals from the Department of Electronics and Communication Engineering

Proposal for a new course		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed the following new elective course for the M.Tech. (SPML) curriculum. EC889 - Data Compression (3-0-2) 4 The details are available in <u>Annexure J</u> .	The BOS resolved to recommend the proposal.	

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Item No. 43-BOS-10: Proposals from the Department of Electrical and Electronics Engineering

Proposal for a new course		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed the following new course as an elective in the B.Tech curriculum EE351 – C Programming for Electrical Engineers (2-0-2)3 The details are available in <u>Annexure K</u> .	The BOS resolved to recommend the proposal.	

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Item No. 43-BOS-11: Proposals from the Department of Information Technology

Revision of Eligibility Criteria for B.Tech. (IT) Minor 2025 batch students		
Proposal		Resolution
The DFC of the department has proposed to revise the eligibility criteria for B.Tech (IT) minor from the 2025 batch as follows		The BOS resolved to recommend the proposal from the 2025 batch of students onwards.
Existing Criteria	Recommended Criteria	
Except for CS and AI students	Except for CS, DS and AI students	
Three courses included in the minor degree are core courses for the DS students. The details are available in <u>Annexure L</u> .		For Senate Approval

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Item No. 43-BOS-12: Proposals from the Department of Mechanical Engineering

Proposal for new courses		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed the following new courses as electives UG Course – ME445 - Fundamentals of Machine Learning (3-0-0)3 – for 3rd/4th year B.Tech (Mechanical Engineering) PG Course – ME874 - Machine Learning for Mechanical Engineers (3-0-0)3 The details are available in <u>Annexure M</u>.	The BOS resolved to recommend the proposal.	

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Item No. 43-BOS-13: Proposals from the Department of Mining Engineering

Approval for the curriculum and structure for a new M.Tech programme		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed the course structure and curriculum structure of the new M.Tech	The HoD of the Mining Engineering department presented the proposal for the M.Tech program. The	

(Industrial Health and Safety Engineering) The details are available in <u>Annexure N.</u>	program was approved in the 50th Senate on 28 February 2020. It was suggested that the course content be revised in line with recent developments in Mining Engineering. BOS resolved to recommend the proposal,	
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Item No. 43-BOS-14: Proposals from the Department of Physics

Proposal to rename a course		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed renaming the course PH868: Solid State Electronic Devices to PH868: Semiconductor Physics and Devices .	The BOS resolved to recommend the proposal.	
Inclusion of a new elective course		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed to include a new 700-level course titled PH757 - <i>“Electrochemical Energy Conversion, Storage and Applications”</i> (3-0-0)3 The details are available in <u>Annexure O</u> .	The BOS resolved to recommend the proposal.	
Inclusion of a new self-study course		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed including a 900-level study course titled PH916 - <i>Primordial Cosmology</i> for PhD students (4 credits) The details are available in <u>Annexure O</u> .	The BOS resolved to recommend the proposal.	

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Item No. 43-BOS-15: Proposals from the School of Humanities, Social Sciences, and Management

Introduction of New Open Elective Courses for UG Students		
Proposal	Resolution	
The DFC of the department has proposed introducing the following new open elective courses for the upcoming semester. 1. SM468: Visual Culture and Digital Media 2. SM469: Digital Ecology: Technology, Power and the Planet 3. SM470: Introduction to French 4. SM471: Language as Evidence: An Introduction to Forensic Analysis 5. SM472: Language and the Human Mind 6. SM473: Gender Studies and Socio-Cultural Representations 7. SM474: Travel Writing The details are available in <u>Annexure P-1</u>.	The BOS resolved to recommend the proposal.	For Senate Approval
To discuss the courses Professional Communication I (Semester I) and Professional Communication II (Semester II)		
Proposal	Resolution	
The DFC of the department has proposed to discuss and approve the syllabus, course structure, and evaluation pattern for the courses Professional Communication I (Semester I) and Professional Communication II (Semester II) offered to B.Tech. (All Branches) students under the School of Humanities, Social Sciences and Management. The details are available in <u>Annexure P-2</u>.	The BOS resolved to recommend the proposal.	For Senate Approval
Revision in MBA admission criteria		
Proposal	Resolution	
The DFC of the department has proposed revising the admission criteria to include CAT, MAT, and CMAT as eligible entrance examinations for MBA admissions, in place of GATE, effective from the forthcoming admission cycle. The details are available in <u>Annexure P-3</u>.	The BOS resolved to recommend the proposal.	For Senate Approval

Addition of New PhD Specializations		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed to include the Indian Knowledge System, Psychology, and Linguistics as new specialisations under the PhD programme of the department. The details are available in <u>Annexure P-3</u>.	The BOS resolved to recommend the proposal.	
Defining qualifying examinations for MBA		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed to define the qualifying examinations for MBA (admission through CAT/MAT/CMAT and self-financed) as a Bachelor's Degree in any discipline from a recognized university. The details are available in <u>Annexure P-3</u>.	The BOS resolved to recommend the proposal.	
Defining qualifying examinations for PhD		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed to define the qualifying examinations for PhD as follows. • The prescribed qualifying examination for Ph.D. in Engineering/Technology is Master's degree in relevant field. • PhD in Humanities, Social Science and Management – Master's degree in a relevant field, CA, along with an undergraduate degree. • Under direct admission to PhD, the prescribed qualifying examination is B.Tech/B.E/B.Arch/B.plan/B.Des/B.S (Four-year degree program) in a relevant discipline within five years of obtaining the qualifying undergraduate degree. The details are available in <u>Annexure P-3</u>.	The BOS resolved to recommend the proposal.	

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Item No. 43-BOS-16: Proposals from the Department of Water Resources & Ocean Engineering

Overlapping courses		
Proposal	Resolution	
The DFC of the department has proposed that there is an overlap in the course contents of the undergraduate (UG) courses offered by the Department of Civil Engineering and the Department of Mining Engineering overlap with those of the UG courses offered by the Department of Water Resources and Ocean Engineering. The DFC has proposed reviewing the same to ensure appropriate differentiation and academic coherence. The details are available in <u>Annexure Q.</u>	The BOS resolved that the departments of Civil Engineering, WROE, and Mining Engineering may discuss the overlaps within their respective courses and resubmit the proposal.	
Reducing the course content of WO479 and WO872		
Proposal	Resolution	For Senate Approval
The DFC of the department has proposed to reduce the course contents of WO479 Applications of Artificial Intelligence & Data Science in Civil Engineering (2-1-0) 3 and WO872 Numerical Modelling in Surface and Sub-surface Hydrology (2 - 0 - 2) 3 The details are available in <u>Annexure Q.</u>	The BOS resolved to recommend the proposal.	
Introduction of a new minor program “Minor in Water Resources and Ocean Engineering”		
Proposal	Resolution	
The DFC of the department has proposed to introduce and offer a minor programme in the UG curriculum, namely “Minor in Water Resources and Ocean Engineering” with the following courses 1. WO218 - Mechanics of Fluids (3-0-0)3 2. WO260 - Water Resources Engineering (3-0-0)3 3. WO702 – Coastal and Ocean Engineering (3-0-0)3 4. WO706 - Port Engineering (3-0-0)3 5. WO402 - Introduction to Geospatial Technology and Applications (3-0-0)3	The BOS resolved that the department revise the proposal by reviewing the proposed list of courses again.	

<i>It is also proposed to include An Interdisciplinary Minor course "WO871M Artificial Intelligence Applications in Hydro-Geoinformatics 3-0-0(3)"</i> The details are available in <u>Annexure Q.</u>	
Separate project course codes for UG major projects	
Proposal The DFC has resolved to introduce a dedicated major project course in the UG curriculum, with appropriate course codes, similar to CV449 and CV499. The details are available in <u>Annexure Q.</u>	Resolution The BOS resolved not to recommend the proposal.
Eligibility criteria for M.Tech (Self-financing category, M.Tech (R) and PhD	
Proposal The DFC of the department has proposed the eligibility criteria for the M.Tech (Self-financing), M.Tech (R) and PhD admissions. The details are available in <u>Annexure Q.</u>	Resolution The BOS resolved to recommend the proposal. For Senate Approval

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Item No. 43-BOS-17: Inclusion of external additional guides for M.Tech (R) and PhD students

Proposal The DFC of the Department has proposed that <i>Dr. Ganesan P, Scientist - F, Power Electronics Group, CDAC - Thiruvananthapuram</i>, be considered as an additional Research Guide for the M.Tech (R) student Mr. Sarath Kannan P Nath [2435017MC500] under the guidance of Prof. K V Gangadharan. The details are available in <u>Annexure R -1.</u>	Resolution The BOS resolved to recommend the proposal.	For Senate Approval
The DFC of the Department has proposed that Prof. Shama Prasad K, Professor, Manipal School of Life Sciences (MSLS), be considered as an additional Research Guide for the PhD student Mr. Javed Ali [2470037MT002] under the guidance of Prof. Mohammad Rizwanur Rahman.	The BOS resolved to recommend the proposal.	



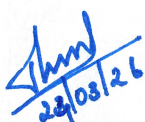
The details are available in <u>Annexure R -2.</u>		
The DFC of the Department has proposed that Dr. Jinoop Arackal Narayanan, Senior Lecturer, School of Computing, Engineering & Digital Technologies, Teesside University, UK , be considered as an additional Research Guide for the PhD student Mr. Bhaskar M [2470057ME001] under the guidance of Dr. Srikanth Bontha	The BOS resolved to recommend the proposal.	
The details are available in <u>Annexure R -3.</u>		
The DFC of the Department has proposed that Dr. Anila Cyril, Scientist - B, Transportation Planning Division, be considered as an additional Research Guide for the PhD student Ms. Vishikha Keshava [2470018CV012] under the guidance of Dr. Raviraj Mulangi.	The BOS resolved to recommend the proposal.	
The details are available in <u>Annexure R -4.</u>		

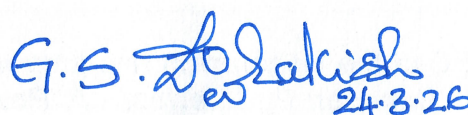
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Item No. 43-BOS-18 Any other matter - None

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The meeting concluded with a vote of thanks from the Chairperson, BOS.


24/03/26
Secretary


24.3.26
Chairperson