

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

P.O. SRINIVASNAGAR, MANGALURU-575025



MINUTES OF THE 70th Meeting of the SENATE

Date : Monday, 18th November 2024

Time : 04:00PM onwards

**Venue : Main Seminar Hall
Main Building
N.I.T.K., Surathkal
MANGALURU
PIN - 575 025**



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

Proceedings of the 70th Meeting of the Senate of National Institute of Technology Karnataka, Surathkal held on Monday, 18th November, 2024 at 04:00PM in the Main Seminar Hall, Main Building, NITK Surathkal/Through Google Meet.

MEMBERS PRESENT:

1	Prof. B. Ravi	.....	Director and Chairman
2	Dr. Subhash C. Yaragal	.....	Deputy Director and Member
3	Dr. Rajesh M Hegde	.....	External Member
4	Dr. Neelima M. Gupte	.....	External Member
5	Dr. Dwarakish G. S.	.....	Member
6	Dr. Laxminidhi T.	.....	Member
7	Dr. Gangadharan K. V.	.....	Member
8	Dr. Udaya Bhat K.	.....	Member
9	Dr. A. Chitharanjan Hegde	.....	Member
10	Dr. I. Regupathi	.....	Member
11	Dr. Raj Mohan B.	.....	Member
12	Dr. P. E. Jagadeesh Babu	.....	Member
13	Dr. Prasanna Belur Devarabhata	.....	Member
14	Dr. Keyur Raval	.....	Member
15	Dr. Hari Prasad Dasari	.....	Member
16	Dr. Hari Mahalingam	.....	Member
17	Dr. Darshak Rameshbhai Trivedi	.....	Member
18	Dr. A. Nithyananda Shetty	.....	Member
19	Dr. Badekai Ramachandra Bhat	.....	Member
20	Dr. Denthaje Krishna Bhat	.....	Member
21	Dr. Uday Kumar Dalimba	.....	Member
22	Dr. Basavaraju Manu	.....	Member
23	Dr. M. C.Narasimhan	.....	Member
24	Dr. Varghese George	.....	Member
25	Dr. S. Shrihari	.....	Member
26	Dr. Sitaram Nayak	.....	Member
27	Dr. (Mrs.) Jayalekshmi B.R.	.....	Member
28	Dr. Bibhuti Bhusan Das	.....	Member
29	Dr. Arun Kumar Thalla	.....	Member
30	Dr. Suresha S N	.....	Member
31	Dr. Sunil B. M.	.....	Member
32	Dr. Manu Basavaraju (HoD)	.....	Member

33	Dr. Annappa	.....	Member
34	Dr. (Mrs.) P. Santhi Thilagam	.....	Member
35	Dr. Alwyn Roshan Pais	.....	Member
36	Dr. M. Shankarnarayana Bhat	.....	Member
37	Dr. Debashisha Jena	.....	Member
38	Dr. Udayakumar R.Yaragatti	.....	Member
39	Dr. Shubhanga K.N.	.....	Member
40	Dr. B. Venkatesa Perumal	.....	Member
41	Dr. Dattatraya Narayan Gaonkar	.....	Member
42	Dr. (Mrs.) Vinatha U.	.....	Member
43	Dr. Geetha V. (HoD)	.....	Member
44	Dr. G. Ram Mohana Reddy	.....	Member
45	Dr. Ananthanarayana V. S.	.....	Member
46	Dr. P. Sam Johnson	.....	Member
47	Dr. A. Kandasamy	.....	Member
48	Dr. Shankar B. R.	.....	Member
49	Dr. Murugan Veerapazham	.....	Member
50	Dr. R Madhusudhan	.....	Member
51	Dr. Pushparaj Shetty D.	.....	Member
52	Dr. S.M. Murigendrappa	.....	Member
53	Dr. G. C. Mohan Kumar	.....	Member
54	Dr. S. M. Kulkarni	.....	Member
55	Dr. Hemantha Kumar	.....	Member
56	Dr. Anish S.	.....	Member
57	Dr. P. Jeyaraj	.....	Member
58	Dr. Subhaschandra Kattimani	.....	Member
59	Dr. Kumar G. N.	.....	Member
60	Dr. (Mrs.) Sathyabhama A.	.....	Member
61	Dr. H. Shivananda Nayaka	.....	Member
62	Dr. Arun M.	.....	Member
63	Dr. Kumkum Banerjee (HoD)	.....	Member
64	Dr. Jagannatha Nayak	.....	Member
65	Dr. Anandhan Srinivasan	.....	Member
66	Dr. Subray R. Hegde	.....	Member
67	Dr. Aruna Mangalpady	.....	Member
68	Dr. Kartick Tarafder (HoD)	.....	Member
69	Dr. M. N. Satyanarayan	.....	Member
70	Dr. Sheena (HoD)	.....	Member
71	Dr. K.B. Kiran	.....	Member
72	Dr. Shashikantha Koudur	.....	Member
73	Dr. Pradyot Ranjan Jena	.....	Member
74	Dr. Ritanjali Majhi	.....	Member
75	Dr. S. Pavan Kumar	.....	Member
76	Dr. K. Varija	.....	Member
77	Dr. Lakshman Nandagiri	.....	Member
78	Dr. Mahesha A.	.....	Member
79	Dr. B. M. Dodamani	.....	Member

80	Dr. Mohit P. Tahaliani, Chairman, CCC	.....	Member
81	Dr. Manu	.....	Member
82	Dr. Ramesh H.	.....	Member
83	Dr. Mallikarjuna Angadi, Librarian	.....	Member
84	Shri K. Ravindranath, Registrar	.....	Secretary

MEMBERS expressed their inability to attend the Meeting:

1	Dr. Debashish Acharya	External Member
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MEMBERS ABSENT:

1	Dr. Shrikantha S. Rao	Member
2	Dr. (Ms.) Vidya Shetty K.	Member
3	Dr. Arun Mohan Isloor	Member
4	Dr. C. P. Devatha	.....	Member
5	Dr. Gangadhar Mahesh	.....	Member
6	Dr. K. Chandrasekaran	.....	Member
7	Dr. Shashidhar G. Koolagudi	.....	Member
8	Dr. Neelavarshekar V. Shet	.....	Member
9	Dr. (Mrs.) Sumam David S.	.....	Member
10	Dr. U. Shripathi Acharya	.....	Member
11	Dr. Ashvini Chaturvedi	.....	Member
12	Dr. Ramesh Kini M.	.....	Member
13	Dr. K Panduranga Vittal	.....	Member
14	Dr. Gururaj S. Puneekar	.....	Member
15	Dr. Santhosh George	.....	Member
16	Dr. Murulidhar N. N.	.....	Member
17	Dr. Shyam S. Kamath	.....	Member
18	Dr. Ravikiran Kadoli	.....	Member
19	Dr. Srikanth Bontha	.....	Member
20	Dr. Ramesh M. R.	.....	Member
21	Dr. Sharnappa Joladarashi	.....	Member
22	Dr. Veershetty Gumtapure	.....	Member
23	Dr. K. Narayan Prabhu	.....	Member
24	Dr. Harsha Vardhan	.....	Member
25	Dr. M. Govinda Raj	.....	Member
26	Dr. Karra Ram Chandar	.....	Member
27	Dr. Udayashankar N. K.	.....	Member
28	Dr. Nagaraja H. S.	.....	Member
29	Dr. Ajith Kulangara Madam	.....	Member
30	Dr. Kiran G. Shirlal	.....	Member
31	Dr. (Mrs.) Amba Shetty	.....	Member
32	Dr. Nasar	.....	Member

At the outset of the meeting, Chairman welcomed all the members to the 70th Meeting of the Senate.

After a brief discussion, with the permission of the Chair, the Secretary Senate, began the deliberations on the Agenda Items.

Item No. 70.1: Confirmation of the Minutes of the 69th Meeting of the Senate held on Monday, 21st October, 2024 at 04:00 pm in the Seminar Hall, LHC 'A' Block, NITK Surathkal/Through Google Meet - Reg.

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Resolution: The Senate resolved to confirm the Minutes of the 69th meeting of the Senate held on Monday, 21st October, 2024.

Item No. 70.2: To consider the report on Action taken on the minutes of 69th meeting of the Senate held on Monday, 21st October, 2024 at 04:00 pm in the Seminar Hall, LHC 'A' Block, NITK Surathkal/ Google Meet – Reg.

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Resolution: The action taken on the minutes of the 69th Senate meeting were noted.

Item No. 70.3: To consider the items placed before the present (70th) meeting of the Senate held on Monday, 18th November, 2024 at 4:00 pm in the Main Seminar Hall, Main Building, NITK, Surathkal / Through Google Meet – Reg.

Item No. 70.3.1.: To consider and approve the Agenda items discussed in the 40th meeting of the Board of Studies (BOS) held on October 9, 2024 – Reg.

ITEM No.: 40-BOS-1 Proposals of Department of Computer Science and Engineering

(a) MOOC platforms Coursera and Google Cloud Skills boost.	
Resolution of the BOS	Resolution of the Senate
The BOS resolved that a Committee may be formed with Dean (Academic) as Chairman including other members, HOD-Mechanical, HOD-CSE, HOD-IT, HOD-MACS and Chairman, CDC to look into the curriculum details of private organisation like Coursera, Google Cloud etc. to consider the MOOC courses for the award of credits.	The Senate resolved to approve the BOS recommendation.

(b) The B.Tech student needs less than 12 credits in the semester that completes the B.Tech degree credit requirement.	
Resolution of the BOS	Resolution of the Senate
The BOS resolved that a Committee may be formed with Dean (Academic) as Chairman including other members, HOD-Mechanical, HOD-CSE, HOD-IT, HOD-MACS and Chairman, CDC to look into the matter of credit requirements.	The Senate resolved to approve the BOS recommendation.

(c) CGPA Calculation in case of credits beyond B.Tech degree	
Resolution of the BOS	Resolution of the Senate
The BOS resolved that a Committee may be formed with Dean (Academic) as Chairman including other members, HOD-Mechanical, HOD-CSE, HOD-IT, HOD-MACS and Chairman, CDC for the consideration of CGPA calculation in case of credits beyond B.Tech degree.	The Senate resolved to approve the BOS recommendation.

(d) Separate question papers for multiple sections with different Course Instructors.	
Resolution of the BOS	Resolution of the Senate
The BOS resolved not to recommend the proposal of the DFC of Department of Computer Science and Engineering regarding separate question papers for multiple sections with different Course Instructors.	The Senate noted the BOS resolution.

(e) Admission of M.Tech (Research) – CSE-IS under ISEA Project Phase III – Approval for four additional seat for M.Tech (R) CSE-IS programme from the Academic year 2025-26.	
Resolution of the BOS	Resolution of the Senate
The BOS resolved to recommend for the approval of four additional seat for M.Tech (R) – CSE-IS programme from the Academic year 2025-26 till the duration of project.	The Senate resolved to approve the BOS recommendation.

ITEM No.: 40-BOS-2: Proposals of Department of Electrical and Electronics Engineering.

1. Change the course code from EE476 to EE377	
Resolution of the BOS	Resolution of the Senate
The BOS resolved to recommend the proposal of the DUGC of the Department of Electrical and Electronics Engineering to Change the course code of "Introduction to Nonlinear and Linear Optimization" from EE476 (3-1-0)4 to EE377 (3-1-04) taking into account its relevance and appropriate level of competence for UG students.	The Senate resolved to approve the BOS recommendation.

2. Inclusion of PG Elective courses.	
Resolution of the BOS	Resolution of the Senate
The BOS resolved to recommend the proposal of the DPGC of the Department of Electrical and Electronics Engineering for inclusion of the following PG Elective courses. 1. EE878: Advanced Control Systems Laboratory (0-0-3)2 2. EE879 : PV Power Systems Lab (0-0-3)2	The Senate resolved to approve the BOS recommendation.

ITEM No.: 40-BOS-3 Proposals of Department of Information Technology

1. Minor changes in the MLC course B.Tech (IT).	
Resolution of the BOS	Resolution of the Senate
The BOS resolved to recommend the proposal of the DFC of the Department of Information Technology for the change of IT440 MLC course (B.Tech-IT) for 8-12 weeks of practical training during summer vacation for the students of 2022, 2023 & 2024 batches.	The Senate resolved to approve the BOS recommendation.

2. Minor changes in the MLC course B.Tech (AI).	
Resolution of the BOS	Resolution of the Senate
The BOS resolved to recommend the proposal of the DFC of the Department of Information Technology for the change of IT447 MLC course (B.Tech-AI) for 8-12 weeks of practical training during summer vacation for the students of 2022, 2023 & 2024 batches.	The Senate resolved to approve the BOS recommendation.

3. Changes in the syllabus of IT250 as two separate subjects (One core and One Elective).	
Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the proposal of the DFC of Department of Information Technology for the changes in the syllabus of IT250 as two separate subjects (One core and One Elective).</p> <p>IT250: Formal Languages and Automata Theory [B.Tech(IT)] (3-1-0)4 – PC IT484: Compiler Design [B.Tech(IT)] (3-1-0)4 - Elective</p>	<p>The Senate resolved to approve the BOS recommendation.</p>

4. Minor changes in LTP of IT203 course.	
Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the proposal of the DFC of Department of Information Technology for minor changes in IT203 – Discrete Mathematics (3-0-0)3 as IT203 – Discrete Mathematics (3-1-0)4.</p>	<p>The Senate resolved to approve the BOS recommendation.</p>

5. Introducing new elective courses for B.Tech (IT).	
Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the proposal of the DFC of Department of Information Technology to introduce the following new elective courses in the B.Tech (IT) programme.</p> <p>IT485: Large Language Models (3-0-2)4 – Elective IT486: Applied Algorithms (3-0-2)4 - Elective</p>	<p>The Senate resolved to approve the BOS recommendation.</p>

6. Introducing new elective course for B.Tech (AI).	
Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the proposal of the DFC of Department of Information Technology to introduce the following new elective course in the B.Tech (AI) programme – Randomized Algorithms.</p> <p>IT482: Randomized Algorithms (3-1-0)4 – Elective</p>	<p>The Senate resolved to approve the BOS recommendation.</p>

Ramesh

7. Minor in B.Tech IT	
Resolution of the BOS	Resolution of the Senate
<p>The proposal was: The DFC of the Department of Information Technology has proposed to have only one Minor in B.Tech (IT) and discontinue Interdisciplinary Minor – Machine Learning which includes IT340M Machine Learning (3-0-2)4 & IT479M Machine Learning minor project (0-0-6) 4 credits, due to resource constraint.</p> <p>The BOS resolved not to recommend the proposal of the DFC of Department of Information Technology to have only one Minor in B.Tech (IT) due to students demand for the course.</p>	<p>The Senate noted the BOS resolution.</p>

8. Minor changes in credits and syllabus of IT820.	
Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the proposal of the DFC of Department of Information Technology for the minor changes in credits and syllabus of IT820 - Information Technology for Health Care (3-0-2)4.</p>	<p>The Senate resolved to approve the BOS recommendation.</p>

9. Inclusion of new 900 level course.	
Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the proposal of the DFC of Department of Information Technology to include the 900 level course IT937 - Post Quantum Computing (4 credits).</p>	<p>The Senate resolved to approve the BOS recommendation.</p>

ITEM No.: 40-BOS-4 Proposals of Department of Mathematical and Computational Sciences.

a) Inclusion of new elective in B.Tech (CDS)	
Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the proposal of the DUGC of the Department of Mathematical and Computational Sciences to include the following new Elective courses for the B.Tech Programme-Computational Data Science. The BOS also informed to start the course code with 3 series instead 5.</p> <p>MA540: Data Analysis and Visualization (3-0-0)3 MA541: Artificial Neural Networks (3-0-0)3 MA542: Computer Vision (3-0-0)3 MA543: Data Compression and Coding (3-0-0)3 MA544: Deep Learning (3-0-0)3 MA545: Probabilistic Graphical Models (3-0-0)3</p>	<p>The Senate resolved to approve the BOS recommendation.</p>

(b) Discontinue the Minor in Machine Learning.	
Resolution of the BOS	Resolution of the Senate
<p>The proposal was :</p> <p>The DUGC of the Department of Mathematical and Computational Sciences has recommended to discontinue the Minor in Machine Learning that includes MA212M & MA309M (out of the 4 common course offered along with CS & IT departments) due to shortage of faculty.</p> <p>The BOS resolved not to recommend the proposal of the DUGC of Department of Mathematical and Computational Sciences as per the students demand for the course.</p>	<p>The Senate noted the BOS resolution.</p>

ITEM No.: 40-BOS-5: Proposals of Department of Physics.

1. Inclusion of Additional Guides.	
Resolution of the BOS	Resolution of the Senate
<p>The proposal was :</p> <p>The DRPC of Department of Physics has proposed to include Dr. Sib Sankar Mal (Chemistry) and Dr. Sushil K. Pandey (ECE) as additional guides for Hanchate Aniket Gopinath, a full time research scholar working under the guidance of Dr. Partha Pratim Das.</p> <p>BOS Resolution: In principle it is recommended to consider the inclusion of additional guides.</p>	<p>The Senate resolved to approve the BOS recommendation.</p>

ITEM No.: 40-BOS-6 Proposals of the School of Humanities, Social Sciences and Management.

1. The Division of the School of HSSM into two departments viz., Department of Humanities and Social Sciences and Department of Entrepreneurship and Management.	
Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the proposal of DFC of the School of HSSM to divide the School of HSSM into two Departments viz; Department of Humanities and Social Science and Department of Entrepreneurship and Management.</p>	<p>The Senate resolved that the Committee may be formed in the department level and to present the detailed proposal in the next Senate meeting. The Chairman, Senate suggested that the name of the Department may include the word Business. Eg. Entrepreneurship and Business Management.</p>

ITEM No.: 40-BOS-7: Inclusion of External Additional Guides.

Department of Mining Engineering	
Resolution of the BOS	Resolution of the Senate
<p>The proposal was: The DRPC of Department of Mining Engineering has proposed that Dr. Sachida Nanda Sahu, Principal Scientist, CSIT-IMMT Bhubaneswar to be considered as Co-Guide for the Ph.D student Mr. Raghunath Reddy.</p> <p>The BOS resolved not to consider the proposal of Mining Engineering.</p>	<p>The Senate noted the BOS resolution.</p>

Item No. 70.3.2: To consider and approve the Final list of eligible candidates for the award of B.Tech/M.Tech/M.Tech(Research)/M.C.A/M.B.A/M.Sc./Ph.D degree during the 22nd Annual Convocation – Reg.

Agenda Item	Senate Resolution																				
<p>The Convocation Statistics of B.Tech/M.Tech/M.Tech (Research)/M.C.A/M.B.A/M.Sc./Ph.D Scholars who are eligible for the award of degree during the 22nd Annual convocation are as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Programme</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td>B.Tech</td> <td>1002</td> </tr> <tr> <td>M.Tech</td> <td>723</td> </tr> <tr> <td>M.Tech (Research)</td> <td>35</td> </tr> <tr> <td>M.C.A</td> <td>62</td> </tr> <tr> <td>M.B.A</td> <td>54</td> </tr> <tr> <td>M.Sc (Physics)</td> <td>29</td> </tr> <tr> <td>M.Sc (Chemistry)</td> <td>34</td> </tr> <tr> <td>Ph.D</td> <td>139</td> </tr> <tr> <td>Total</td> <td>2078</td> </tr> </tbody> </table>	Programme	Number of Students	B.Tech	1002	M.Tech	723	M.Tech (Research)	35	M.C.A	62	M.B.A	54	M.Sc (Physics)	29	M.Sc (Chemistry)	34	Ph.D	139	Total	2078	<p>The Senate resolved to approve the Final list of eligible candidates for the award of B.Tech/M.Tech/M.Tech (Research)/M.C.A/M.B.A/M.Sc./Ph.D degree during the 22nd Annual Convocation.</p> <p>It was further resolved that the matter shall be placed for approval of BOG.</p>
Programme	Number of Students																				
B.Tech	1002																				
M.Tech	723																				
M.Tech (Research)	35																				
M.C.A	62																				
M.B.A	54																				
M.Sc (Physics)	29																				
M.Sc (Chemistry)	34																				
Ph.D	139																				
Total	2078																				

Item No. 70.3.3: To consider and approve the detailed procedure for 22nd Annual Convocation to be held on November 23, 2024 – Reg.

Agenda Item	Senate Resolution
<p>The Minute-to minute programme for the 22nd Annual Convocation for morning session (PG Programs) and afternoon session (UG Programs) placed before the Senate for approval.</p>	<p>The Senate resolved to approve the detailed procedure for 22nd Annual Convocation to be held on November 23, 2024.</p>



Item No. 70.3.4: To consider and approve the Academic Calendar for all the programmes for the even semester of the Academic year 2024-25 – Reg.

Agenda Item	Senate Resolution
The Academic Calendar for even semester of the Academic year 2024-25 was presented in 67 th Senate meeting. In that Academic calendar, the starting date was mentioned as January 01 2025. But in 67 th Senate meeting it was resolved and approved to start the classes for even semester of the academic year 2024-25 from 20 th December, 2024. As December 20 falls on Friday, it is requested to start the even semester from December 23, 2024 i.e on Monday.	After detailed discussion, the Senate resolved to approve to start the classes for EVEN semester of the Academic year 2024-25 for all the programmes from Wednesday, 1 st January, 2025. The Senate also resolved that the last date of classes and dates of examination for 2 nd Semester of B.Tech may be different from higher semester programmes.

Item No. 70.3.5: To ratify the matter regarding the award of best Ph.D thesis and best PG thesis – Reg.

Agenda Item	Senate Resolution
In one of the meetings held for Convocation awards it was recommended to present the best PG thesis awards and best Ph.D thesis awards in Core, Circuit and Science departments. The Selection criteria for the award of Best PG thesis and Ph.D thesis was approved by the competent authority. The matter was placed before the Senate for ratification.	The Senate resolved to defer the matter for this Convocation. The Senate also opined that the proposal may be put before the next meeting with appropriate procedure.

Meeting ended with vote of thanks to the Chair.



**(K. Ravindranath)
Registrar and
Secretary – Senate
NITK, Surathkal.**



**(B. Ravi)
Director and
Chairman – Senate
NITK, Surathkal.**