P.O. SRINIVASNAGAR, MANGALURU-575025



# MINUTES OF THE 42<sup>nd</sup> Meeting of BOARD OF STUDIES

Date : 15-10-2025 (Wednesday)

Time : 3:00 PM

Venue : CCMT Hall

N.I.T.K., Surathkal

Minutes of the Forty Second combined Board of Studies (UG, PG & Research) meeting held on Wednesday, 15<sup>th</sup> October 2025 in CCMT Hall, NITK Surathkal.

#### MEMBERS PRESENT

1)	Dr. Dwarakish G.S.	 Chairman
2)	Dr. Subhash Yaragal	 Dy. Director (Special Invitee)
3)	Dr. Deepti P.P	 External Member (Online mode)
4)	Dr. Udaya Bhat	 Member
5)	Dr. Laxminidhi T.	Member
6)	Dr. M. Govinda Raj	Member
7)	Dr. B. Prasanna	 Member
8)	Dr. Venkatesh Perumal	 Member
9)	Dr. G.N. Kumar	 Member
10)	Dr. Vasudev M.	 Member
11)	Dr. Vinatha U.	Member
12)	Dr. Arun M.	Member
13)	Dr. Udaya Kumar Dalimba	 Special Invitee
14)	Dr. K.V. Gangadharan	Special Invitee
15)	Dr. Annappa	Special Invitee
16)	Dr. Ramehs Kini M.	Member
17)	Dr. Debashish Jena	Member
18)	Dr. I. Regupathi	 Member
19)	Dr. S.M. Murigendrappa	Member
20)	Dr. Ramesh H.	 Member
21)	Dr. Sam Johnson	 Member
22)	Dr. B.R. Chandavarkar	 Member
23)	Dr. Darshak Trivedi	 Member
24)	Dr. Rithanjali Mahji	 Member
25)	Dr. Geetha V	 Member
26)	Dr. Kum Kum Banerjee	 Member
27)	Dr. Karthik Taraffdar	 Member
28)	Dr. Basavaraj Manu	 Member
29)	Dr. Mallikarjun Angadi	 Member

30) Ms. Sandhya, AR (Academic) ... Secretary

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## Minutes of Forty Second (42<sup>nd</sup>) BOS meeting held on 15-10-2025 (Wednesday) at 3.00 pm in CCMT Hall.

The Chairman (BOS) welcomed all the members to the Forty Second BOS meeting.

ITEM No. 42-BOS-A: Confirmation of minutes of 41st meeting of the BOS held on 21st March, 2025 at 3.00 pm in CCMT Hall.

The minutes of **Forty First BOS** meeting was approved as there were no comments received from the members.

## ITEM No.: 42-BOS-1 PROPOSAL OF CHAIRMAN, CAREER AND CURRICULUM REVISION COMMITTEE

(a) Proposed B. Tech Curriculum Structure.

Proposal	BOS Resolution	
The Chairman, Career and Curriculum Revision Committee has proposed to discuss on the implementation of B.Tech Curriculum Structure 2026 to be implemented from the academic year 2026-27.	Curriculum committee briefed about the salient features of	For Senate approval
	One of the external BOS members, Prof. Deepthi P.P., from NIT Calicut, appreciated the new practice-oriented curriculum structure. She welcomed the flexibility given to the departments in choosing the departmental and open electives.	
	The concerns and opinions raised by the departments are as follows.	

#### Civil Engineering:

The department raised concerns in the reduction of core courses in the sixth semester. The department also suggested that flexibility may be given to register for core courses in the later semesters.

#### Chemical Engineering:

The HOD conveyed that the credits for project/ internship [27 credits] is very high. A significant amount of time and resources are required to complete nine-credit a project. It was suggested to flexibility the to departments to modify the project credits and redistribute the credits to the core courses.

# Electronics & Communication Engineering:

The department also expressed their concerns about the reduced number of core courses. The department highlighted that the number of credits for core courses came down to 48 from 75 credits in the previous version of the curriculum.

## Electrical & Electronics Engineering

The HOD suggested that instead of reducing the core credits, the total number of credits may be raised to 160

as the NEP mandates an ideal total number of credits between 150 and 160.

#### Mechanical Engineering

The HOD conveyed that the department is flexible to adopt the new curriculum structure.

## Metallurgical & Materials Engineering

The department suggested that the number of core courses should be increased, and 27 credits allotted for projects/ internships are very high. The department also suggested that the duration of the lab courses can be three hours.

The department is flexible to adopt the new curriculum structure.

#### Mining Engineering

The department raised their concerns about the higher number of credits for the projects. The HOD also conveyed that the department should teach a certain number of core courses for the program. It was suggested to give flexibility to the departments to modify the project credits and redistribute the credits to the core courses.

The department is flexible to adopt the new curriculum structure.

#### Information Technology

The department suggested to increase the number of core courses in the 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> semesters. The theory to lab credits distribution should be decided by the department. The departments should be able to decide the range of credits for projects/internships.

#### Computer Science and Engineering

The HOD conveyed that the percentage of credits for theory, lab and electives came down significantly and the percentage credits internships and projects became significantly higher. The department expressed their concern that the students may find it difficult to complete the minor courses and internships together.

#### Chemistry

The department accepted the revised framework.

#### **Physics**

The department accepted the revised framework.

#### **Mathematics**

The department conveyed that the number of credits to be taught by the department has significantly reduced. It was also suggested to reduce the credits for the project from 9 to 3. The department also raised their concerns

about 25 credits assigned to co-curricular activities.

School of Humanities, Social Sciences & Management

The department conveyed their concerns about the lack of professional communication, ethics and management courses.

## Water Resources & Ocean Engineering

The department raised their concerns about the reduced core and elective courses. The HOD expressed that the student may face difficulties in preparing for national level examinations such as GATE, Engineering Services exam and other UPSC examinations.

The Chairperson, Curriculum committee addressed the concerns of the departments. He conveyed that the departments have the freedom to decide the core and elective course distribution.

The BOS **recommended** the curriculum framework for in principle approval. The curriculum may be suitably modified with the inputs from the departments.

## ITEM No.: 42-BOS-2 PROPOSALS OF DEPARTMENT OF CHEMICAL ENGINEERING

#### (a) Inclusion of a self-study course for Ph.D and M.Tech (Research)

Proposal	BOS Resolution	
The DFC of the Department of Chemical Engineering has proposed to include the following self-study course for Ph.D and M.Tech (Research) Programme in Chemical Engineering curriculum.	recommend the proposal of the DFC of the Department of Chemical	
CH913: Sustainable Agricultural Soil Management (3-0-0)3	course.	
The details are attached as Annexure-I		

# ITEM NO.: 42-BOS-3: PROPOSALS OF DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(a) Inclusion of new elective courses  Proposal	BOS Resolution	
The DFC of the Department of Computer Science and Engineering has proposed to include the following new elective courses for B.Tech-CSE.  CS374: Algorithmic Learning Theory (3-1-0)4	recommend the proposal of the DFC of the Department of Computer Science and Engineering for the inclusion of the new elective courses for	For Senate approval
CS375: Vision-Language Models (3-1-0)4  The details are provided in	B.Tech-CSE.	

Proposal	BOS Resolution	
The DFC of the Department of Computer Science and Engineering has proposed to include the following open electives for M.Tech CSE & CSE-IS.  CS744: Generative Artificial Intelligence	recommend the proposal of the DFC of the Department of Computer Science and Engineering for the inclusion of the	
(3-1-0)4 CS745: Randomness and Computation (3-1-0)4 The details are provided in Annexure – II.	new elective courses for M.Tech CSE & CSE-IS.	

(c) Inclusion of self-study course for Ph.D/M.Tech (R)		
Proposal	BOS Resolution	
The DFC of the Department of Computer Science and Engineering has proposed to include the following Self-Study course for Ph.D/M.Tech(R) programme.	recommend the proposal of the DFC of the	For Senate approval
CS933: Discrete Optimization (3-1-0)4	Self-Study course for Ph.D/M.Tech(R)	
The details are provided in <b>Annexure - II.</b>	programme.	

# ITEM No: 42-BOS 4: PROPOSALS OF DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## (a) To update the M.Tech Curriculum for VLSI Design, CEN and SPML Programme.

Proposal	BOS Resolution	
The DFC of the Department of Electronics and Communication Engineering has proposed to update the M.Tech Curriculum for M.Tech in	roommand the managel	Schace

ITEM No: 42-BOS 5: PROPOSALS OF DEPARTMENT OF INFORMAITON TECHNOLOGY  (a) Minor changes in the programme core course contents of B.		B.Tech
(AI) Proposal	BOS Resolution	
The DFC of the Department of Information Technology has proposed for the minor change in the course contents of the following courses of B.Tech (AI).  IT207: Human Intelligence (3-0-0)3	The BOS resolved to recommend the proposal of the Department of Information Technology to change the course contents of B.Tech (AI) courses.	For Senate approval
IT304 : Optimization Techniques		
(3-0-2)4		
The details are provided in <b>Annexure – IV.</b>		

Proposal	BOS Resolution	
The DFC of the Department of Information Technology has proposed to distribute the admission of number of students with equal strength for B.Tech (IT) and B.Tech (AI) - 71 and 70	of the Department of	For Senate approva

respectively applicable from 2026-27 batch onwards.

(c) Introduce a new self-study co programme	urse for M.Tech (Research) and Ph.D
Proposal	BOS Resolution

The DFC of the Department of Information Technology has proposed to introduce the following new self-study course for M.Tech (Research) and Ph.D Programme in Information Technology.

The BOS resolved to recommend the proposal of the Department of Information Technology To introduce the new self-study course.

For Senate approval

IT937: Post Quantum Cryptography

The details are provided in **Annexure – IV.** 

ITEM No: 42-BOS 6: PROPOSALS OF DEPARTMENT OF
MATHEMATICAL AND COMPUTATIONAL
SCIENCES

(a) Change of Syllabus and credit in Ph.D 900 level courses.

Proposal	BOS Resolution
The DFC of the department of Mathematical and Computational Sciences (MACS) has proposed to change the syllabus and credit from 3 to 4 in the following 900 level courses.  MA903: Life Testing and Reliability Estimation (4-0-0)4	recommend the proposal of the DFC of the Department of Mathematical and Computational
MA909: Stochastic Processes, Queueing Theory & Reliability (4-0-0)4	oredit from 2 to 1 in
MA924: Analysis & Design of Algorithms (4-0-0)4	
MA936: Topology (4-0-0)4	

MA937: Functional Analysis (4-0-0)4

MA938: Operator Theory (4-0-0)4

The details are provided in Annexure - V

(b) Replacement for the core course MA727 Advanced Data Science to M.Tech (CDS)

Proposal	BOS Resolution	
The DFC of the department of Mathematical and Computational Sciences (MACS) has proposed to replacement for the core course "MA727 Advanced Data Science (3-0-0)3 to the following M.Tech (CDS)	recommend the proposal of the DFC of the Department of Mathematical and	For Senate approval
course.  MA727: Data Analytics and Visualization (3-0-0)3  The details are provided in Annexure – V.	Sciences for the replacement of the core course "MA727 Advanced Data Science (3-0-0)3 to M Tech	

## ITEM No: 42-BOS 7: PROPOSALS OF DEPARTMENT OF MECHANICAL ENGINEERING

(a) Introduction of new PG elective course for the M.Tech programme in Mechanical Design.

Proposal	BOS Resolution	
The DFC of the department of Mechanical Engineering has proposed to introduce the following new elective course for the PG programme-Mechanical Design.	As PG curriculum will be revised for the next academic year the HOD of Mechanical Engg. has withdrawn the agenda	Reporting to Senate
Artificial Intelligence and Machine Learning for Engineering Design (3-0-0)3	item.	
The details are provided in <b>Annexure – VI.</b>		

(b) Introduction of new elective cours	se for all the PG progra	mmes
Proposal	BOS Resolution	
The DFC of the department of Mechanical Engineering has proposed to introduce the following new elective courses for all the PG programmes.  Machine Learning for Engineers (3-0-0)3	As PG curriculum will be revised for the next academic year the HOD of Mechanical Engg. has withdrawn the agenda item.	Reporting to Senate
Artificial Intelligence for Robotics(3-0-0)3		
The details are provided in <b>Annexure</b> – <b>VI</b> .		

Proposal	BOS Resolution	
The DFC of the department of Mechanical Engineering has proposed to modify the course title and content of the existing course code ME867.  Existing Course Title: Product Design and Development (3-0-0)3  Modified Course Title: Product Design and Life Cycle Management (2-0-2)3  The details are provided in Annexure - VI.	As PG curriculum will be revised for the next academic year the HOD of Mechanical Engg. has withdrawn the agenda item.	Reporting to Senate

(d) Introduction of new elective of Mechanical Engineering	course for 4th year B.7	rech in
Proposal	BOS Resolution	
The DFC of the department of Mechanical Engineering has	The BOS resolved to recommend the proposal	Deliare

proposed to introduce the following of the DFC of the new elective courses for the 4th year Department of Mechanical B.Tech in Mechanical Engineering. Engineering for the iintroduction of new Materials Selection for Design and elective course for 4th Manufacturing (3-0-0)3 B.Tech Mechanical Human Robot Systems (3-0-0)3 Engineering The details are provided in Annexure - VI.

ITEM No: 42-BOS 8: PROPOSALS OF DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

(a) Title change for the Minor Project Proposal	BOS Resolution	
The DFC of the department of Metallurgical and Materials Engineering has proposed to change the title for the following course for Nano Technology PG programme.  MT871: 'Minor Project' Course	The BOS resolved to recommend the proposal of the DFC of the Department of Metallurgical and Materials Engineering for the title change of the Minor project course MT871 PG	For Senate approval
to	programme.	
MT871: 'Minor Project/Practical Training'		
The DFC resolution annexed as Annexure - VII.		

(b) Minimum CGPA requirement for an Offline Internship in the MME-B.Tech 8th semester as part of the Major Project course (MT442).

Proposal	BOS Resolution	
The DFC of the department of Metallurgical and Materials Engineering has proposed to omit the requirement for minimum CGPA for an offline internship in the	issue may be resolved at the department level	Reporting to Senate

MME-B.Tech 8th semester as part of 'Major Project' course (MT442) to permit the students to have a choice to undergo internship in a renowned educational Institute or industrial internship through CDC.

The DFC resolution annexed as Annexure – VII.

## ITEM No: 42-BOS 9 PROPOSALS OF THE SCHOOL OF HUMANITIES, SOCIAL SCIENCES AND MANAGEMENT

(a) Introduction of Minor programme in Entrepreneurship for B.Tech students.

Proposal	BOS Resolution	
The DFC of the School of HSSM has proposed to introduce the Minor programme in Entrepreneurship with the following courses.  SM210M: Product Innovation and IPR  SM260M: Marketing and Sales	The BOS resolved to recommend the proposal of the DFC of the Department of School of HSSM to introduce the Minor programme in Entrepreneurship for B.Tech students.	For Senate approval
SM315M: Finance and Accounting		
SM360M: Leadership and Ethics		
SM415M: Business Venture Planning		
The details are provided in <b>Annexure</b> - <b>VIII</b> .		

Proposal	BOS Resolution	
The DFC of the School of HSSM has proposed to include the following new open elective courses for the UG programme.	The BOS resolved to recommend the proposal of the DFC of the	For Senate approval

SM464: Comics and Visual Communication (3-0-0)3

SM465: Cognitive Psychology (3-0-

0)3

SM466: Introduction to German

(3-0-0)3

SM467: Environmental Economics, Policy & Business Practices

(3-0-0)3

The details are provided in **Annexure-VIII.** 

Department of School of HSSM to include the new open electives in UG programme.

Proposal	BOS Resolution	
The DFC of the School of HSSM has proposed to introduce the following new and revised 800 series Ph.D level courses in the disciplines of English, Linguistics and Social Sciences.  SM884: Current issues in Linguistics	The BOS opined that these courses are not in alignment with the PG course offered by the department and hence these courses can be offered as 900 level courses.	Reporting to Senate
SM885: Second Language Acquisition SM886: A Linguistic History of India	Further, BOS resolved to recommend two self study courses for Ph.D	
SM887: Language and Society	students with effect from December 2025	
SM888: Research Methods in Linguistics	admits.	
SM889: Gender Studies		
SM891: Cultural Studies: Theories Contexts and Practices		
SM893: Social Psychology and Organizational Psychology		

SM894: Research Methods in

Psychology

SM895: Indigenous Studies

SM896: Environmental Humanities

SM898: Graphic Medicine

SM899: Comics Studies

SM890: Literary Theory (Earlier

SM918)

SM892: Comparative Literature

(Earlier SM916)

SM897: Aesthetics (Earlier SM915)

The details are provided in Annexure-

VIII.

(d) Introduction of 900 level courses.  Proposal	BOS Resolution	
The DFC of the School of HSSM has proposed to introduce the following 900 level courses.	recommend the proposal of the DFC of the	For Senate approval
SM919 : Psychopathology and Health Psychology	Department of School of HSSM for the introduction of 900	
SM920: Cultural Psychology	level courses.	
SM921: Introduction to Linguistics		
SM922: Introduction to Computational Linguistics	FR4 [1] [1] [4]	
SM917: Research Methodology in English Literature		
(Earlier SM917 - Research Methodology in Literature (course code retained) The details are provided in Annexure-VIII.		

# ITEM No: 42-BOS 10: PROPOSALS OF DEPARTMENT OFWATER RESOURCES AND OCEAN ENGINEERING

(a) To start a new B.Tech Programme in "Water Resources and Ocean Engineering".

Proposal	BOS Resolution	
The DFC of the department of Water Resources and Ocean Engineering has proposed to start a new UG programme – "B.Tech in Water Resources and Ocean Engineering" from the next academic year 2026-27 which is a unique combination that is not found elsewhere to address the issues of climate change, management of water resources, sea level rise, coastal processes, hydraulic and marine structures, irrigation technologies, dams & reservoirs etc. It deals with theory and laboratory, integrated with a geospatial application to achieve sustainable management of water resources and ocean engineering.  The details are provided in Annexure-IX	recommend the proposal of the DFC of the Department of Water Resources and Ocean Engineering to start a new B.Tech programme.  The members also suggested that a suitable attractive title can be chosen if required.	For Senate approval

ITEM No: 42-BOS 11: PROPOSALS OF INTERDISCIPLE	INARY STUDIES (CIDS)	
(a) To offer a Ph.D and M.Tech (Re Technology Innovation and Entrepre Proposal		
The Associate Faculty Council of CIDS has proposed to offer a Ph.D and M.Tech (Research) programme in "Deep Technology Innovation and Entrepreneurship" from	The BOS resolved to recommend the proposal of the Centre for	For Senate approval

student intake of 10 as to offer a Self-financed self-financed programme. Ph.D and M.Tech (Research) programme in The details are provided in Annexure-"Deep Technology Innovation and Entrepreneurship" from the AY 2026-27.

#### (b) offer a M.Tech programme in Innovation Entrepreneurship (INVENT) through CIDS.

Proposal	BOS Resolution	
The Associate Faculty Council of CIDS has proposed to offer a M.Tech programme in "Innovation and Entrepreneurship (INVENT)" with the student intake of 30 as self-financed programme from the academic year 2026-27.	recommend the proposal of CIDS to offer M.Tech programme in INVENT	Reporting to Senate
The details are provided in ${\bf Annexure}\text{-}{\bf X}$		

#### ITEM No. 42-BOS-12: INCLUSION OF EXTERNAL ADDITIONAL GUIDE

Department of Information Technology **BOS** Resolution Proposal The DRPC of the Department of The BOS resolved Reporting Information Technology has consider Dr. Manikantan to Senate proposed that Dr. Manikantan M.R., Principal Scientist, M.R., Principal Scientist, Indian Indian Council Council of Agricultural Research - Agricultural Research -Central Plantation Crops Research | Central Plantation Crops Institute to be considered as an Research Institute to be additional Research Guide for the considered as Ph.D student Mrs. Suregha K.R.

details The are provided in Annexure - XII.

additional Research Guide for the Ph.D. student Mrs. Suregha K.R.

(b) School of Humanities, Social Scien	ices and Management	
Proposal	BOS Resolution	
The DRPC of School of Humanities, Social Sciences and Management has proposed that Prof Ganapathi Panda, Professor and Research Advisor at CV Raman Global University, Odisha, Bhubaneshwar to be considered as an additional Research Guide for the Ph.D student Mr. Ashutosh Rath.  The details are provided in <b>Annexure-XII</b> .	The BOS resolved to consider Prof Ganapathi Panda, Professor and Research Advisor at CV Raman Global University, Odisha, Bhubaneshwar to be considered as an additional Research Guide for the Ph.D student Mr. Ashutosh Rath.	Reporting to Senate

(c) Department of Mining Engineering Proposal	BOS Resolution	
The DFC of the Department of Mining Engineering has proposed that Dr. Sachida Nanda Sahu, Senior Principal Scientist, CSIR-IMMT Bhubaneshwar to be considered as an additional Research Guide for the Ph.D student Mr. Ravindra Babu M.  The details are provided in <b>Annexure</b> - XII.	consider Dr. Sachida Nanda Sahu, Senior Principal Scientist, CSIR-IMMT Bhubane- shwar to be considered as an additional Research	Reporting to Senate

Secretary-BOS, NITK

Chairman-BOS-NITK 16.10.25