NEW HORIZON
COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

BOARD OF STUDIES MEETING

DATE :	13th August 2025
VENUE:	Dept. of ISE, NHCE
TIME :	10.00 am to 1.00 pm

Anandhi
14/8/25

14/8/2025

Head of the Department
Information Science and Engineering
NEW HORIZON COLLEGE OF ENGINEERING
Bengaluru - 560103

CONTENTS

AGENDA FOR THE MEETING

Agenda 1: BE - Scheme and Syllabus for semester VII & VIII of Batch 2022-2026 – Discussion and Approval (NEP 160 Credits)

Agenda 2: BE - Scheme and Syllabus for semester V & VI of Batch 2023-2027 – Discussion and Approval (NEP 160 Credits)

Agenda 3: BE - Unified Courses Syllabus CSE III & IV of Batch 2024-2028 – Discussion and Approval (NEP 160 Credits)

Agenda 4: Discussion and Approval of Evaluation Metrics in the CIE component

Agenda 5: Best Practices followed in the Department

Agenda 6: Concluding Remarks

LIST OF MEMBERS

S. No	Category	Nomination of the committee	Name of the Person	Designation & Affiliation
1	Head of the Department	Chairperson	Dr. Vandana C. P	Associate Professor & Head of the Department, Dept of Information Science and Engineering, New Horizon College of Engineering hod_ise@newhorizonindia.edu +91 9945721293
2	Special invitees (One academician from an institution of National Eminence, IIT, NIT, IISC)	1	Dr. Manjunatha	Principal, New Horizon College of Engineering, principal@newhorizonindia.edu 91-80-66297777
		2	Dr. R. J. Anandhi	Professor & Dean Academics New Horizon College of Engineering dean_academics@newhorizonindia.edu 91- 9845705705
		3	Dr. R Mohan	Associate Professor, Dept of Computer Science and Engineering, National Institute of Technology, Tiruchirapalli -620015, rmohan@nitt.edu 9442421326
3	Experts from outside the college nominated by VTU	Member		
			Dr. Sagar B.M	Dean Student Affairs Professor, Dept. of ISE R.V. College of Engineering, Bengaluru sagarbm@rvce.edu.in 9886332226
4	Subject expert from outside the college nominated by academic council	Member		
			Dr. Geetha. S	Professor, Dept. of Computer Science and Engineering, BNM Institute of Technology, Bangalore geetha.s@bnmit.in 9980416192

			Members	
5	Faculty members at different level with different specialization	1	Dr. Kalaivani D	Associate Professor, Dept. of ISE, NHCE, Bangalore dr.kalaivanid@newhorizonindia.edu 9449261505
		2	Dr. J.Karthiyayini	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore karthiyayinij@newhorizonindia.edu 9731521707
		3	Dr.Divya K.V	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore divya.k.vasudevan@gmail.com 9449035154
		4	Mrs. Jenita Subash	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore jenita.s_ise_nhce@newhorizonindia.edu 8549067520
		5	Mrs. Priya	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore priyan.nhce@newhorizonindia.edu 9886157432
		6	Mrs.Thamarai Selvi K	Assistant Professor, Dept. of ISE, NHCE, Bangalore thamaraiselvi.k_ise_nhce@newhorizonindia.edu 7373662699
			Members	
6	Representative from Industry / Corporate sector/ allied area related to placements, nominated by academic council	1	Mr. Prasad L.K	Founder & Managing Director, Acceleron Labs Ltd., Bangalore. lkprasad@acceleronlabs.com +91 96866 98600
		2	Mr. Satyam Jakkula	Senior Product Manager- IBM Cloud Ecosystem IBM, Bangalore satyam.jakkula@in.ibm.com +91 73874 88899
			Members	
7	Meritorious alumni nominated by principal	1	Mr. Aditya Srivastava	Packaged App Development, Senior Analyst, Accenture, Bengaluru 411.aadi@gmail.com +91 97423 92411
		2	Mr. Mohamed Nafeel	Advanced Software Engineer, Honey Well, Bengaluru hmohamed.nafeel.kp@gmail.com

				+91 99860 00081
		3	Mr. Mohamed Khalid	Associate Software Engineer Carelon Global Solutions, Bengaluru mdkhalid1608@gmail.com +91 83174 41445
8	Co-opted members			**Members**
		1	Mr. Muralidharan	Sr.HR Manager, Placement & Corporate relations, NHCE, Bangalore placementofficer@newhorizonindia.edu 9790713875
		2	Mrs. Shruthi G R	Sr.Assistant Professor and Placement Coordinator, Dept. of ISE, NHCE shruthigr.nhce@gmail.com 9845207417
		3	Mrs. Parvathy S	Sr.Assistant Professor, Dept. of ISE, NHCE parvathy.s_ise_nhce@newhorizonindia.edu 8861893882

WELCOME ADDRESS BY THE CHAIRMAN OF BOS AND INTRODUCTION OF MEMBERS

Minutes

The **BOARD OF STUDIES (2025 – 26)** meeting was held on 13th August 2025 in hybrid mode using Google Meet with internal members, 4 external members (in person), and 3 external members joined online.

Dr. Vandana C.P., Chairman of BOS, welcomed the BOS Committee members. She introduced the Internal and External BOS members. She presented the agenda of the Board of Studies meeting to the members. She initiated the discussion on the Scheme and syllabus for B.E. semester VII & VIII of the 2022-2026 batch, followed by semester V & VI of the 2023-2027 batch, and Unified courses syllabus CSE of the 2024-2028 batch, which had been shared via email to all Board Members earlier.

AGENDA - 1

TITLE	Agenda 1: BE - Scheme and Syllabus for semester VII & VIII of Batch 2022-2026 – Discussion and Approval (NEP 160 Credits)

Minutes

1. Dr. Vandana C.P. presented the scheme and syllabus of semester VII to VIII of batch 2022-2026.

2. The BoS members highlighted the potential influence of AI in the development of mini projects for the alternate assessment of 22ISE71 – Mobile App Development, noting that students may not fully comprehend the underlying code. It was recommended to add an assessment with problem analysis, viva, and presentation to test students' core understanding.

3. Mr. Prasad LK suggested that lab courses can be evaluated based on their algorithm-creating skills also.

4. The VTU Nominee, Dr. Sagar B M suggested adding the cybersecurity course instead of Software testing and automation. However, Chairperson emphasised that the course is required for QA engineer roles for the students.

5. Dr. Sagar B M pointed out that the self-study component in 'Software Testing and Automation', 22ISE72, can be added to the lesson plan and not to the syllabus.

6. Alumni member, Mr. Aditya Srivastava emphasized in 'OOMD', 22ISE73 subject to include the system design topics (LLD and HLD) concepts. This would enable students to understand and build the architecture, ecosystem structure, and project integration well.

7. Dr. Sagar B M suggested that final semester elective courses can be kept in online mode.

8. Panel members suggested including prompt engineering as a core course subject instead of an elective. Chairperson recommended that it can be made as an 'Ability Enhancement course' in upcoming lower semesters.

9. Dr. Sagar B M suggested looking into VTU's new list of elective courses.

10. Dr. Geetha S suggested adding topics like generative AI and agentic AI in the 'Deep Learning',22ISE825 course. Also, assigning the Module 1 topics, which were covered in the Machine Learning course, as a hands-on project.

11. Dr. Prasad L. suggested including High Throughput Computing (HTC) concepts in the 'Parallel computing',22ISE823 course.

AGENDA - 2

TITLE	Agenda 2: BE - Scheme and Syllabus for semester V & VI of Batch 2023-2027 – Discussion and Approval (NEP 160 Credits)

Minutes

1. Chairman of BOS presented the scheme and syllabus of semesters V and VI of Batch 2023-2027.

2. Panel members suggested that in the 6th semester, AEC-V 'AngularJS',22ISE674 to be replaced with ReactJS since it is lightweight, modular, and creates customized dashboards; companies are mostly opting for ReactJS.

3. Panel members emphasized that embracing AI, along with the awareness of some of its concerns, is the need of the hour.

4. Mr. Muralidharan emphasized the increased requirement of Golang in the industries and suggested including that course at least as an elective course.

5. Mr. Muralidharan suggested encouraging more participation of students in hackathons for better placement opportunities.

AGENDA - 3

TITLE	Agenda 3: BE – Unified Courses Syllabus CSE- III & IV semester of Batch 2024-2028– Discussion and Approval (NEP 160 Credits)

Minutes

1. Chairman of BOS, presented Unified Courses Syllabus CSE- III & IV semester of Batch 2024-2028
2. The panel members emphasized the importance of the 'Advance Data Structures',24CSK32 course with respect to placement.
3. The panel members appreciated the framing of the 'Optimization techniques',24CSE34 course syllabus, which covers all the areas, but Modules 4 and 5 will be heavy for the 3rd semester students, so they suggested lightening those topics or pushing the course to a higher semester.
4. Dr. Sagar B M suggested including application creation in Part B and 10 programs in Part A for all the lab course syllabus.
5. Dr. Prasad LK suggested including the topic of device drivers in the course 'Linux Operating System',24CSE43 of the 3rd semester.
6. Dr. Geetha S suggested adding advanced operating systems topics, like virtualization, in the course 'Linux Operating System', 24CSE43 of the 3rd semester.
7. Panel members mentioned not to restrict the 'Linux Operating System lab',24CSL43 to the C language; students should be given liberty to execute programs in C/C++/Java.
8. Panel members strongly recommend adding a mini project component in part B of the 'DBMS lab course',24CSLK44.
9. Panel members emphasized excluding the program based on the mongo DB, since it will be difficult to execute as it requires 2-3 machines, and suggested including those in the theory topics.

AGENDA - 4

TITLE	Agenda 4: Discussion and Approval of Evaluation Metrics in CIE component

Minutes

1. BoS Chairman presented the alternate assessment metrics in the CIE component of various courses.
2. BoS members suggested that a Paper presentation can be considered in the CIE assessment. BoS Chairman discussed that this practice is already implemented for final year projects.
3. Panel members also suggested analyzing the impact of NPTEL certifications, Hackathons, Skill build courses on placements.

AGENDA - 5

TITLE

Agenda 5: Best Practices

Minutes

BOS Chairman presented the following Best Practices:

1. Mini Project idea conversion to research papers
2. Final year students' project as multidisciplinary: Research paper and patent
   Startup Initiatives
3. Lab Viva voce marks mapped to Domain-based MCQ.
4. Placement assessment platform usage and completion tracking by mentors
5. Working Thinking Saturdays – Students were made to complete placement practice assessments.
6. Innovative teaching techniques
7. Domain-based technical training
8. Minor degree & BE Honours
9. Club activities- Robothon club, Literary club, Dance club
10. Activity point completion is encouraged per semester and linked with the Social Connect Responsibility course.

TITLE	Suggestions and Recommendations from Board Members

The suggestions from various BOS members are presented as follows:

Dr. Sagar B M, VTU Nominee

1. Dr. Sagar B M pointed out that the self-study component in 'Software Testing and Automation', 22ISE72, can be added to the lesson plan and not to the syllabus.
2. He suggested that one of the final semester elective courses can be kept in online mode.
3. Dr. Sagar B M suggested looking into VTU's new list of elective courses.
4. He suggested including application creation in Part B and 10 programs in Part A for the various lab course syllabus. This would help the students to include these self-developed application in their resume making it more attractable. Apart from mini projects, these applications can also highlight the resume.
5. Dr. Sagar B M highlighted that most of the courses have not been mapped to PO6 - PO10 and suggested incorporating them moving forward.
6. He also suggested to frame the CO statements for higher semester courses from 'Apply L3' level.
7. Dr. Sagar B M strongly recommends adding an Application (mini project) component in part B of the 'DBMS lab', 24CSLK44 course.

Dr. R Mohan, Special Invitee, National Institute of Technology, Tiruchirappalli

1. Dr. R Mohan mentioned not to restrict the Linux Operating System lab to the C language; students should be given liberty to execute programs in C/C++/Java.
2. He suggested including prompt engineering as a core course subject instead of an elective course.
3. He also suggested adding topics like generative AI and agentic AI in the 'Deep Learning',22ISE825 course.
4. He also supported the opinion of including an application (mini project) in Part B of the 'DBMS lab', 24CSLK44course.

Mr. Prasad L., Industry Technical Expert

1. Mr. Prasad L appreciated the BOS process and mentioned that the scheme and syllabus of the ISE department are in line with the industry requirements and standards.

2. Mr. Prasad L emphasized the use of AI influence while creating the mini projects in the alternate assessment of 22ISE71 - Mobile App Development, and may not understand the code, so it is suggested to include an assessment that includes understanding problem statements, a viva, and a presentation to assess their basics on the relevant topic.

3. He also suggested that lab courses can be evaluated based on their algorithm-creating skills.

4. Dr. Prasad L. suggested including High Throughput Computing (HTC) concepts in the parallel computing course.

5. He suggested in the 6th semester AEC-V 'Angular JS', 22ISE674 to be replaced with React JS since it light weight, modular, and creates customized dashboards; companies are mostly opting for React JS.

6. Mr. Prasad L highlighted that Modules 4 and 5 of 'Optimization Technique', 24CSE34 Unified Course will be heavy for the 3rd semester students, so they suggested lightening those topics.

7. Dr. Prasad L suggested including the topic of device drivers in the course "Linux Operating System" of the 3rd semester.

8. He emphasized excluding the program based on the Mongo DB, since it will be difficult to execute as it requires 2-3 cluster machines, and suggested including those in the theory topics.

Dr. Geetha S, Academic Expert

1. Dr. Geetha S also suggested assigning the Module 1 topics of 'Deep Learning', which were covered in the Machine Learning course, as a hands-on project.

2. Dr. Geetha S suggested adding advanced operating systems topics, like virtualization, in the course "Linux Operating System", 24CSE43 of the 3rd semester.

3. She suggested that the 'Mobile Application Development',22ISE71 students' CIE component would be evaluated based on practical exposure in the process through their presentation.

Mr. Satyam Jakkula, Industry Technical Expert

1. Mr. Satyam Jakkula suggested including the course "Higher-Level Network Security" as an elective subject in the 7th semester, following the elective "Cyber Security" in the 6th semester.

2. IBM skill-building courses can be extended to core courses and labs.

3. He emphasized that for final year students, the 'OOMD',22ISE73 course will be helpful for the design and implementation of the project.

Mr. Aditya Srivastava, Alumnus from 2012-2016 Batch

1. Mr. Aditya suggested adding topics like generative AI and agentic AI in the 'Deep Learning',22ISE825 course.

2. Alumni Mr. Aditya Srivastava emphasized in 'OOMD',22ISE73 subject to include the system design topics (LLD and HLD) concepts to include so students will be able to understand and build the architecture, ecosystem structure, and project integration well.

3. Suggested to include debugging skills to be included in programming courses.

4. Generative AI-related topics may be included in the 'Deep learning',22ISE825course offered.

5. Panel members suggested in the 6th semester, AEC-V 'AngularJS', 22ISE674 to be replaced with ReactJS.

Mr. Mohammed Khalid, Current 8th Sem Student from 2020-2024 Batch

1. Mr. Mohammed Khalid expresses that all courses are aligned with the industry standards.

2. He emphasized that embracing AI, along with the awareness of some of its concerns/drawbacks, is the need of the hour.

Mr. Muralidharan, Co-opted member (Placement department, NHCE)

1. Mr. Muralidharan emphasized the increased requirement of Golang in the industries and suggested including that course at least as an elective course.

2. He suggested encouraging more participation of students in hackathons for better placement opportunities.

3. He discussed the impact of toppers in NPTEL and they bagging 10lakh and above CTC job packages.


AGENDA - 6

**TITLE** | Agenda 6: Concluding Remarks |

Minutes

1. BOS chairman enlightened that the students and faculty are trained to write proposals for funding agencies, patents.
2. BOS chairman discussed the usage of online coding platform like 'Codetantra' for the implementation of the lab courses. Usage of 'CodeChef' for the placement training and practices, NeoPat HRD portal for the placement readiness in the campus.
3. BOS chairman discussed and expressed her gratitude to the BOS members for their valuable comments and suggestions to enrich the syllabus.

SCREENSHOTS
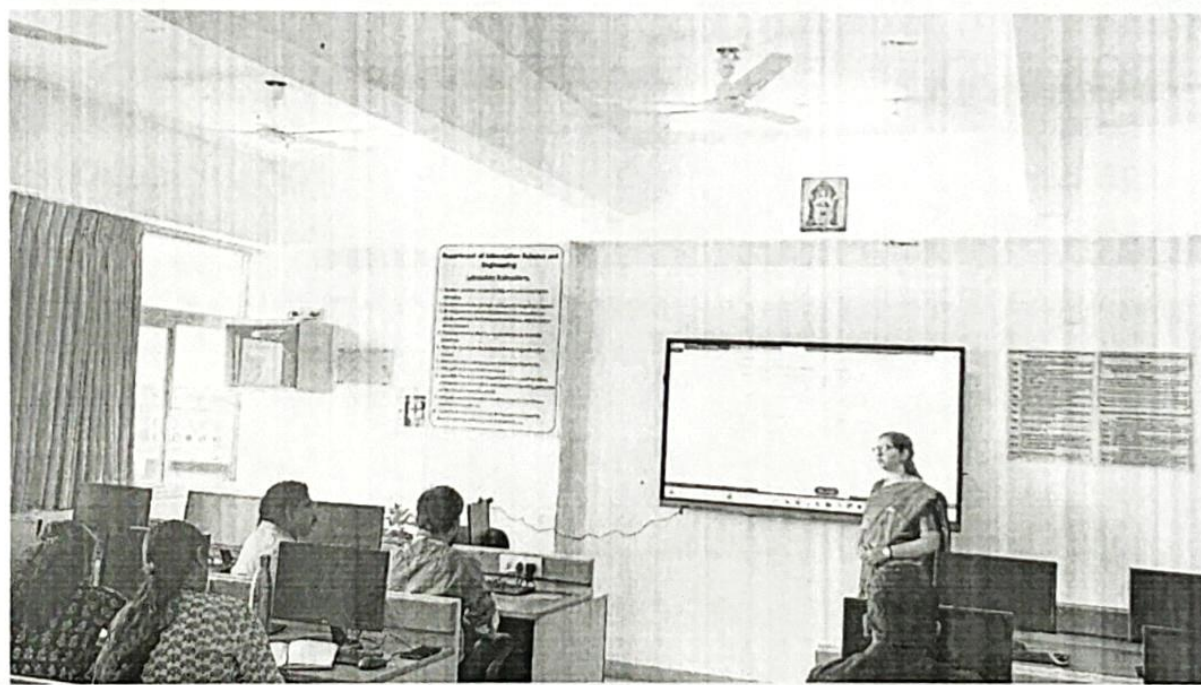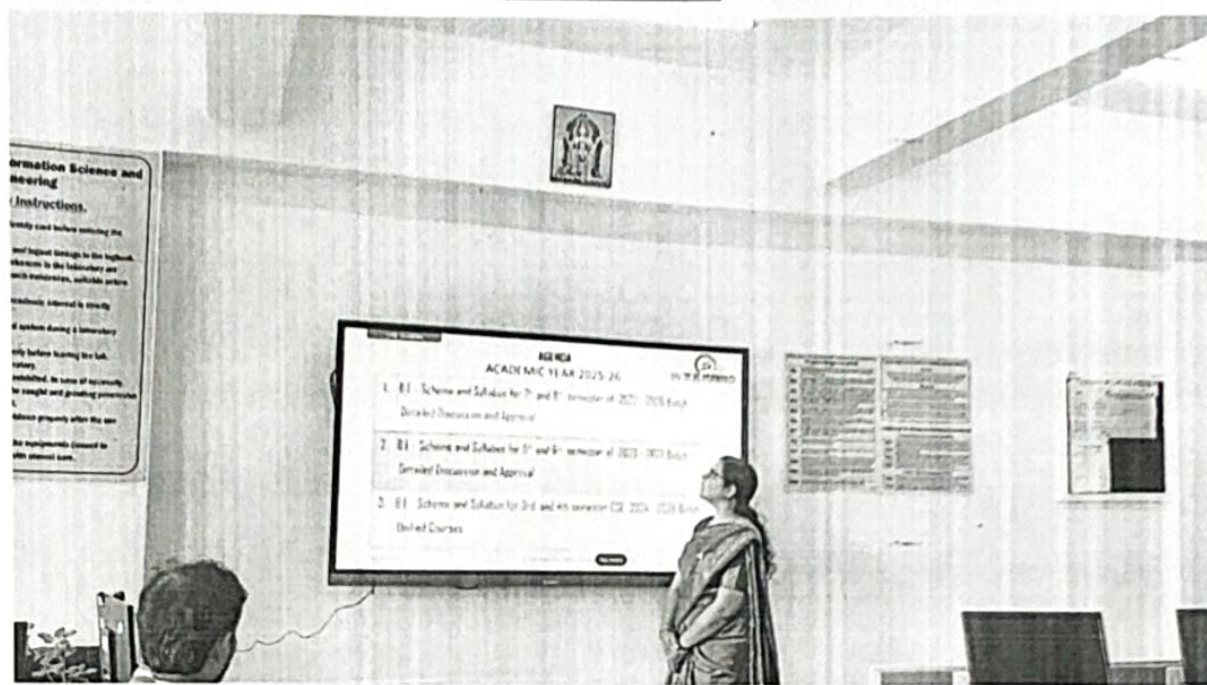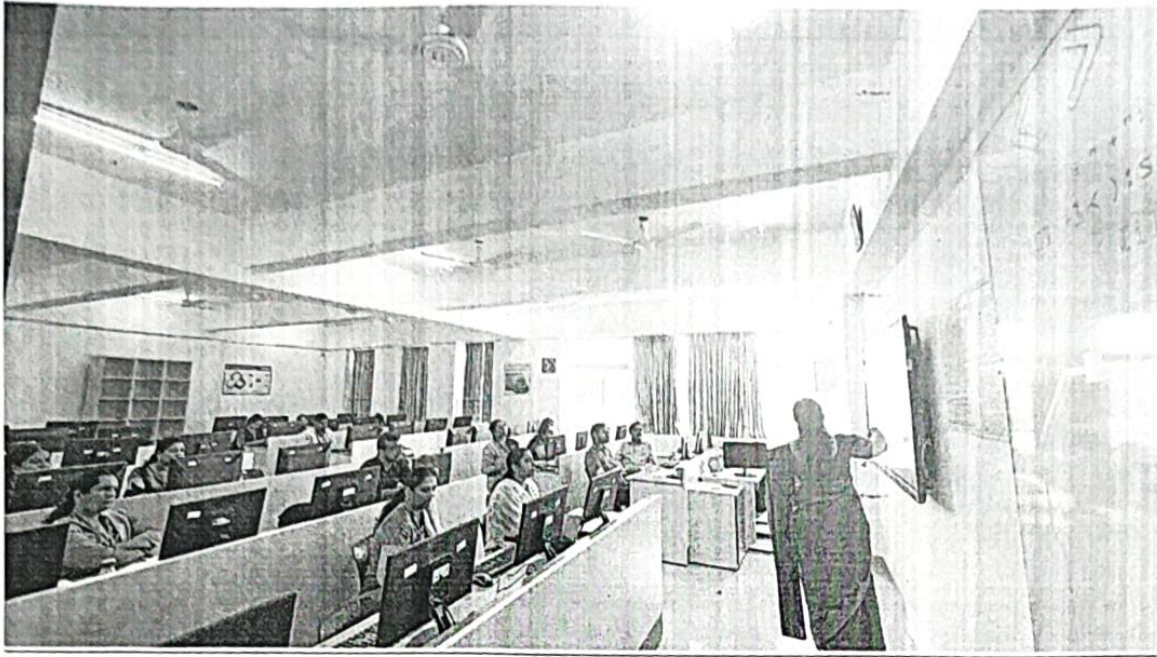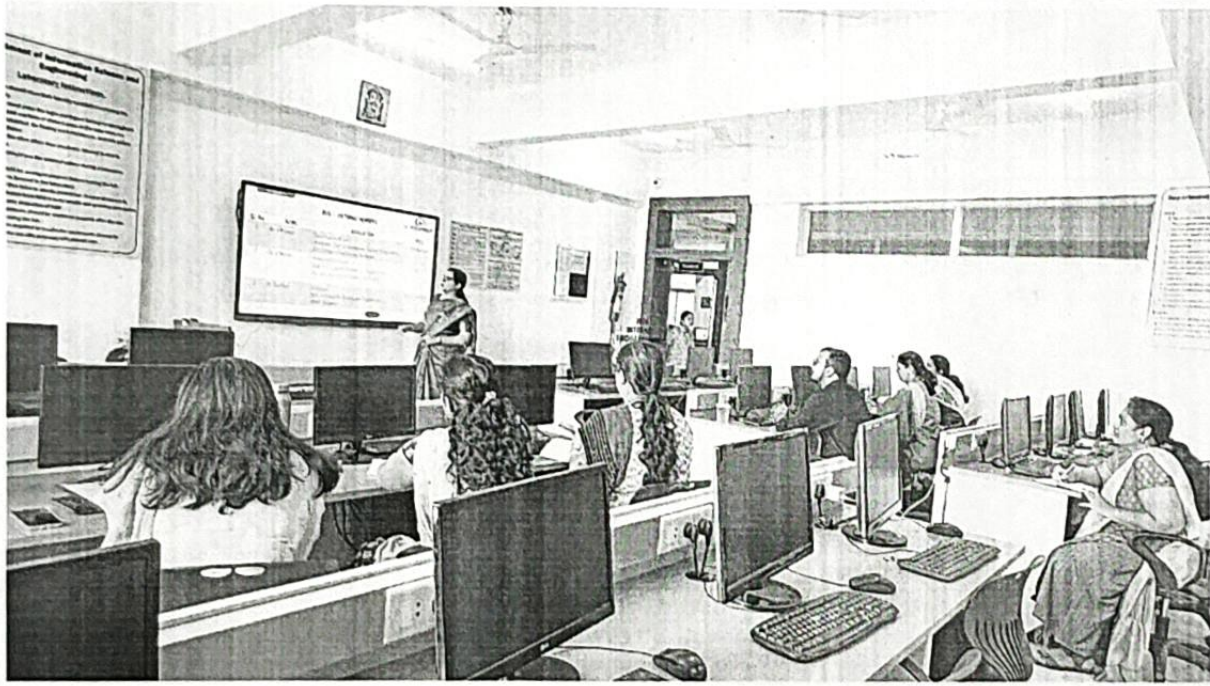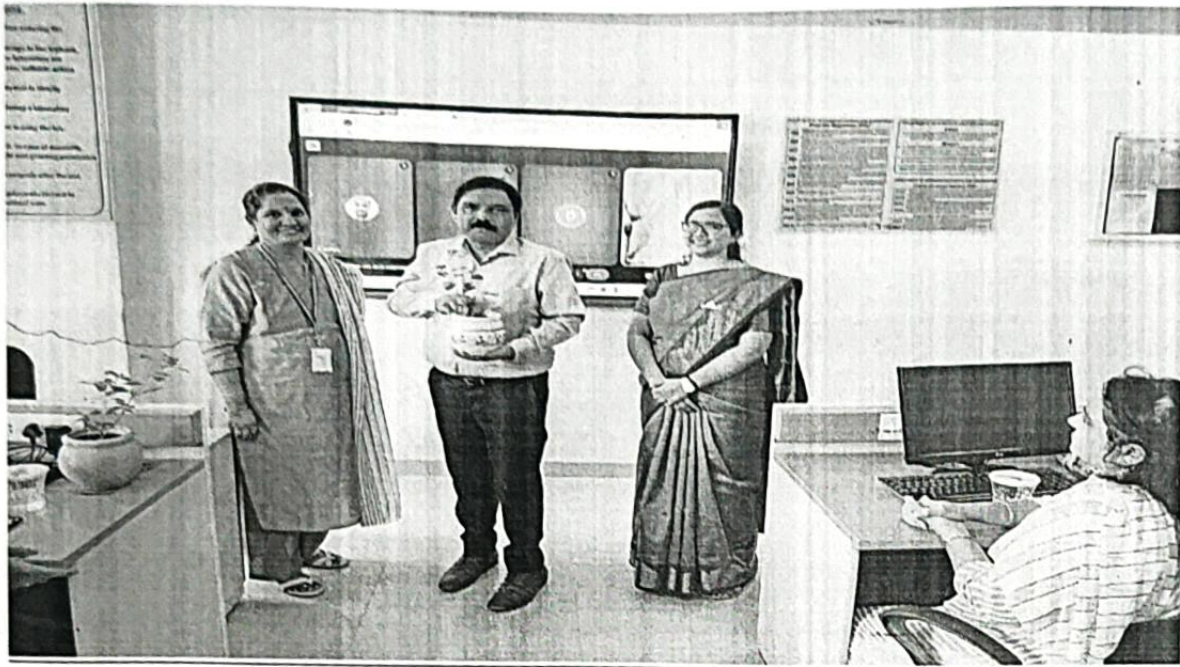
VOTE OF THANKS BY THE CHAIRMAN-BOS

BOS Chairman delivered the Vote of Thanks and appreciated each Member of the Board for their contribution and valuable suggestions provided.

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

BOARD OF STUDIES (AY.2025-26)

ATTENDANCE SHEET

DATE:13-8-2025

S. No	Category	Name of the Person	Designation & Affiliation	Signature
1	Head of the Department	Dr. Vandana C. P	Associate Professor & Head of the Department, Dept of Information Science and Engineering,	V— 13/8/2025
2	Special invitees (One academician from institution of National Eminence, IIT, NIT, IISC)	Dr. Manjunatha	Head of the Institution, New Horizon College of Engineering,	Manjutu
		Dr. R. J. Anandhi	Professor & Dean Academics New Horizon College of Engineering	Anandhi 13/8/25
		Dr.R Mohan	Associate Professor, Dept of Computer Science and Engineering, National Institute of Technology, Tiruchirapalli -620015,	ONLINE
3	Experts from outside the college nominated by VTU	Dr. Sagar B.M	Professor & Head, Dept. of ISE, R.V. College of Engineering, Bengaluru	ONLINE
4	Subject expert from outside the college nominated by academic council	Dr. Geetha. S	Professor, Department of Computer Science and Engineering, BNM Institute of Technology, Bangalore	Shh
5	Faculty members at different level with different specialization	Dr. Kalaivani D	Associate Professor, Dept. of ISE, NHCE, Bangalore	Kei
		Dr. J.Karthiyayini	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore	Kun 13/8
		Dr.Divya K.V	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore	Divy 13/8

		Mrs. Jenita Subash	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore	ONLLINE
		Mrs. Priya	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore	Priya
		Mrs.Thamarai Selvi K	Assistant Professor, Dept. of ISE, NHCE, Bangalore	ONLINE
6	Representative from Industry / Corporate sector/ allied area related to placements, nominated by academic council	Mr. Prasad L.	Founder & Managing Director, Acceleron Labs Ltd., Bangalore.	*(signature)*
		Mr. Satyam Jakkula	Senior Program Manager-Supplier Management IBM, Bangalore	*(signature)*
7	Meritorious alumni nominated by principal	Mr. Aditya Srivastava	Packaged App Development, Senior Analyst, Accenture, Bengaluru	Aditya Srivastava
		Mr. Mohamed Nafeel	Advanced Software Engineer, Honey Well, Bengaluru	ONLINE
		Mr. Mohamed Khalid	Associate Software Engineer Carelon Global Solutions, Bengaluru	ONLINE
8	Co-opted members	Mr. Muralidharan	Sr.HR Manager, Placement & Corporate relations, NHCE	*(signature)* 13.8.25
		Mrs. Shruthi G.R	Sr.Assistant Professor and Placement Coordinator, Dept. of ISE, NHCE	*(signature)* 13/8/25
		Mrs. Parvathy .S	Sr.Assistant Professor, Dept. of ISE, NHCE	Parvathy 13/8

(signature) 13/8/2025

HOD-ISE

(signature) 13/8/25

DEAN ACADEMICS

(signature)

PRINCIPAL

NEW HORIZON
COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
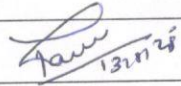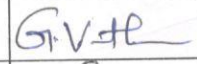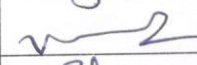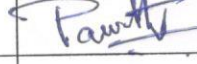Accredited by NAAC with 'A' Grade, Accredited by NBA
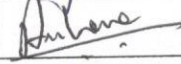
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

BOARD OF STUDIES (AY.2025-26)

ATTENDANCE SHEET

LIST OF MEMBERS PRESENT   **DATE:13-08-2025**

S.NO	NAME OF THE MEMBER	DESIGNATION	INSTITUTION NAME	SIGNATURE
1	Rama Dan	Sr. Asst. Prof.	NHCE	
2	Rosemary chacko	Asst. Professor	NHCE	
3	G.Vanthana	Asst. Professor	NHCE	G.V+L
4	M. Chandana	Asst. professor	NHCE	
5	Sriharshini	Asst. prof	NHCE	
6	Archana Das	Asst. Professor	NHCE	
7	Bhakti S. Kamate	Asst. Professor	NHCE	
8	A. Shalini	Sr. Asst. Prof	NHCE	
9	Jenifer. J.	Asst. Prof	NHCE	
10	Dr. Vandana CP	Assoc Prof & HOD	NHCE	
11	Shruthi G R	Sr. Asst. Prof	NHCE	
12	Parvathy. S	Sr. Asst. Prof	NHCE	
13				
14				
15				
16				