BoS meeting

Outlook

Invitation to attend our BoS meeting (2025-26)

From Dr. Aravinda K <hod_ece@newhorizonindia.edu>

Date Thu 8/7/2025 5:23 PM

To Dr Mukul Manohar <mukul.m_qaiie_nhce@newhorizonindia.edu>; dr.gurulakshmiab@newhorizonindia.edu <dr.gurulakshmiab@newhorizonindia.edu>; jayanthim@newhorizonindia.edu <jayanthim@newhorizonindia.edu>; rajeshg@newhorizonindia.edu <rajeshg@newhorizonindia.edu>; ishanim@newhorizonindia.edu <ishanim@newhorizonindia.edu>; monikag@newhorizonindia.edu <monikag@newhorizonindia.edu>; parepallir@newhorizonindia.edu <parepallir@newhorizonindia.edu>

3 attachments (11 MB)

Syllabus_IV year_Final draft (ECE).pdf; Syllabus_III year_Final draft (ECE).pdf; Syllabus_II year_Final draft (ECE).pdf;

Dear Sir/Madam,

I take the privilege of inviting you for the 12th Board of Studies (BOS) Meeting scheduled on **13th August 2025 (Wednesday)** 10:00 am onwards, in the Department of Electronics and Communication Engineering. Kindly make it convenient to attend.

Agenda:

1. Presentation of Scheme of the B.E. program of 160 credits (as per NEP) for the 2024-28 batch.
2. Presentation of Syllabus of 3rd, 4th, 7th and 8th semesters B.E program (160 credits).

Kindly note that there is no change in the scheme and syllabus for the 2023-27 batch (forthcoming III year), but there is an inclusion of one course in Professional Electives, as per MoU with an industry.

Also, there is a slight change in the scheme for 2022-26 batch (forthcoming IV year), and will be presented during our meeting.

With best regards,

Dr. Aravinda K. BE, MS (Engg), MTech, PhD, SMIEEE
Professor & Head
Department of Electronics & Communication

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NEW HORIZON COLLEGE OF ENGINEERING (NHCE),
Bengaluru - 560103, India

Accredited by NBA and NAAC with 'A' grade, NIRF ranked 121 as per NIRF 2022

Outlook

Invitation to attend our BoS meeting (2025-26)

From Dr. Aravinda K <hod_ece@newhorizonindia.edu>
Date Thu 8/7/2025 5:22 PM
To rjayagowri.ece@bmsce.ac.in <rjayagowri.ece@bmsce.ac.in>; ramyas@snpsu.edu.in <ramyas@snpsu.edu.in>; Chandrasekhar K <chandra.k@ciirc.jyothyit.ac.in>; Sudeb Dasgupta <sudebdg@gmail.com>; mmdevagiri@yahoo.com <mmdevagiri@yahoo.com>; amber.nilabh@intel.com <amber.nilabh@intel.com>; kishore.yc@mediatek.com <kishore.yc@mediatek.com>
Cc ramyaskailasnath@gmail.com <ramyaskailasnath@gmail.com>; kishoreyc15@gmail.com <kishoreyc15@gmail.com>

3 attachments (11 MB)
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Respected Sir/Madam,

I take the privilege of inviting you for the 12th Board of Studies (BOS) Meeting scheduled on **13th August 2025 (Wednesday)** 10:00 am onwards, in the Department of Electronics and Communication Engineering, New Horizon College of Engineering, Bengaluru.

I request you to accept this invitation, and kindly make it convenient to attend.

Agenda:

1. **Presentation of Scheme of the B.E. program of 160 credits (as per NEP) for the 2024-28 batch.**
2. **Presentation of Syllabus of 3rd, 4th, 7th and 8th semesters B.E program (160 credits).**

Kindly note that there is no change in the scheme and syllabus for the 2023-27 batch (forthcoming III year), but there is an inclusion of one course in Professional Electives, as per MoU with an industry.

Also, there is a slight change in the scheme for 2022-26 batch (forthcoming IV year), and we will present the same during our meeting.

The pdf of the draft scheme and syllabus for the AY 2025-26 batch is attached. I request you to kindly go through the same, and provide us with your valuable suggestions.

With best regards,

Dr. Aravinda K. BE, MS (Engg), MTech, PhD, SMIEEE
Professor & Head
Department of Electronics & Communication

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NEW HORIZON COLLEGE OF ENGINEERING (NHCE),
Bengaluru - 560103, India

ECE

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

LIST OF MEMBERS - BOARD OF STUDIES

S. No	Category	Nomination of the committee	Name of the person	Designation & Affiliation
1	**Head of the Department**	Chairperson	Dr. Aravinda K.	Professor, NHCE
2	**Special Invitees (one academician from Institution of National Eminence: IIT, NIT, IIM, IISc)**	1	Dr. Manjunatha	Principal, NHCE
		2	Dr. R. J. Anandhi	Dean - Academics, NHCE
		3	Dr. Sudeb Dasgupta	HOD - ECE, IIT Roorkee
3	**Faculty members at different level with different specialization**	**Members**		
		1	Dr. Mukul M.	Professor, ECE, NHCE
		2	Dr. Gurulakshmi A. B.	Professor, ECE, NHCE
		3	Dr. Jayanthi M.	Associate Professor, ECE,NHCE
		4	Dr. Rajesh. G.	Associate Professor, ECE, NHCE
		5	Dr. Ishani Mishra	Associate Professor, ECE, NHCE
4	**Subject experts from outside the College nominated by Academic Council**	**Members**		
		1	Dr. R. Jayagowri	Professor, Department of ECE, B M S College of Engineering
		2	Dr. Ramya S	Professor, Department of ECE, Sapthagiri NPS

5	**Experts from outside the College nominated by VTU**	**Member**		
		1	Dr. Chandrashekar K.	Professor & Head, Dept. of Electronics and Communication Engg. Jyothy Institute of Technology, Bangalore-560082
6	**Representatives from Industry / Corporate sector / allied area related to placements, nominated by Academic Council**	**Members**		
		1	Mr. Mahesh Devagiri	Engineering Manager Qualcomm India Pvt Ltd.
		2	Mr. Amber Nilabh	Senior Director and General Manager (PESG) India, Intel Corporation
		3	Mr. K. Murulidharan	Senior HR Manager Department of HRD NHCE
7	**Post Graduate meritorious alumni nominated by Principal**	**Member**		
		1	Mr. Kishore Y C	Staff engineer, Mediatek
8	**Co-opted members**	**Members**		
		1	Dr. Monika Gupta	Associate Professor, ECE, NHCE
		2	Prof. Ramanamma M.	Sr. Assistant Professor, ECE, NHCE

HOD - ECE 11.07.25

DEAN - ACADEMICS 12/7/25

PRINCIPAL

New Horizon College of Engineering

Department of Electronics and Communication Engineering

Report : BOARD OF STUDIES MEETING - 12

DATE: 13/08/2025

VENUE: Department of ECE (B-115)

Time: 10.00 AM to 1:00 PM

Dr. Aravinda K
Professor and HOD - ECE
New Horizon College of Engineering
Ring Road, Bellandur Post,
Bengaluru – 560 103

New Horizon College of Engineering

Department of Electronics and Communication Engineering

BOARD OF STUDIES MEETING – 12

DATE: 13/08/2025

VENUE: Department of ECE (B-115)

Time: 10.00 AM to 1:00 PM

AGENDA

1. Scheme of the B.E. program of 160 credits for the batch 2024-28 (as per NEP)
2. Scheme of the 7th and 8th semesters B.E program for the batch 2022-26 (as per NEP)
3. Syllabus of 7th and 8th semesters B.E program (Batch 2022-2026; 160 credits, as per NEP)
4. Syllabus of 3rd and 4th semesters B.E program (Batch 2024-28, 160 credits, as per NEP).
5. Inclusion of new Professional elective course for the batch 2023-2027, in 5th semester, as per the MoU with an industry.

MINUTES OF THE 12TH MEETING OF THE BOARD OF STUDIES FOR AY 2025-2026

1. Welcome and Introductory remarks by the BOS Chairman

The Chairman extended a warm welcome to the VTU Nominee, distinguished expert members from academia and industry, and all other members of the Board of Studies. He expressed appreciation for their continued support and valuable contributions in shaping the academic roadmap of the department.

The Chairman highlighted the key agenda items for deliberation and approval, which include:

- Approval of the Scheme of the B.E. Program of 160 Credits in line with the National Education Policy (NEP) framework for the Batch 2024–2028.
- Approval of the Scheme for the 7th and 8th Semesters of the B.E. Program for the Batch 2022–2026 (NEP – 160 Credits).
- Approval of the Syllabus for the 3rd and 4th Semesters of the B.E. Program for the Batch 2024–2028 (NEP – 160 Credits).
- Approval of the Syllabus for the 7th and 8th Semesters of the B.E. Program for the Batch 2022–2026 (NEP – 160 Credits).
- Inclusion and Approval of New Professional Elective Course in the 5th Semester for the Batch 2023–2027, designed in collaboration with an industry partner through established MoU.

2. Introductory remarks by the BOS Chairman

1. Chairman remarked on the need for accreditation, which is predominantly outcome-based, with greater weightage given to curriculum design, execution, and measurable outcomes.
2. Chairman also mentioned about the 3 levels of expectation by the NBA

namely the achievement of course outcomes, program outcomes and the program educational objectives.

3. Chairman mentioned that the stipulated guidelines such as that proposed by AICTE, VTU and leading Professional Societies, are followed during the design of the curriculum.
4. Chairman briefed the members about the implementation of NEP and emphasized that the curriculum must focus more on conceptual understanding, interdisciplinary learning, and holistic student development.
5. Chairman outlined the inclusion of Ability Enhancement Courses, Professional Elective courses and Emerging Trend Courses. Also mentioned that a new professional and industry-aligned course has been added to the curriculum to make students globally competitive.
6. Chairman sought opinion of industry experts on curriculum design and structure that could promote learning and impart industry-specific skills, most importantly technical. He also invited valuable suggestions from external academic experts to enrich the program design and delivery.

3. Suggestions and Remarks by the Experts and Members

A. General Curriculum Structure Suggestions

1. Ability Enhancement Courses: Replace single Ability Enhancement Course with multiple ones to provide broader options and flexibility.
2. Simplification of Subjects: Make all subjects (e.g., AEC, DEC) simpler and more accessible, to reduce complexity for the students. In DEC cover fan-in/fan-out concepts.
3. Core Course Additions: Add Linux as a core course to build foundational skills in operating systems, with emphasis on boot RAM introduction.
4. Practical Approach Emphasis: For Competitive coding, add practical approaches to build problem-solving skills through hands-on coding

challenges. Add bit fields as well.

5. Industry Alignment: Validate curriculum through industry inputs, including FDI beta for SOC/IP level cleaning and device drivers.

B. Subject-Specific Suggestions

The following table summarizes recommendations for individual subjects or modules, including additions, modifications, and rationale:

1. Adding of practical hardware interfacing for motor control applications in HDL Lab.
2. In MPMC, Module I: Focus on 8086, 3 modules for 8051 and add one module communication protocols bus controllers, I2C, etc.
3. In Microcontroller (MC) lab, include LTC, driver, UART communication modules and bare metal concepts.
4. Add power saving concepts in embedded systems.
5. In Computer Vision, Add VR/AR components.
6. Cover life cycle architecture for VLSI circuits leading to DFT.

4.Vote of Thanks by the Chairman- BOS

The meeting concluded with the vote of thanks by the chairman (HOD, ECE Department). He appreciated the comments from all experts, faculty and student alumni for their valuable inputs and suggestions. All the suggestions and remarks are taken for Academic Council Meeting.


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NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

BOARD OF STUDIES MEETING (13.08.2025)

MEMBERS PRESENT:

Sl. No.	Name	Designation	Affiliation	Signature
1	Dr. Aravinda K.	Professor & HoD-ECE	NHCE	
2	Dr. R. Jayagowri	Professor	BMSCE	Online
3	Dr. Ramya S	Professor	Sapthagiri NPS University	
4	Dr. Chandrashekar K.	Professor & HoD-ECE	Jyothy Institute of Technology	
5	Mr. Mahesh Devagiri	Engineering Manager	Qualcomm India Pvt Ltd.	
6	Mr. K. Muralidharan	Senior HR Manager	NHCE	
7	Dr. Mukul M.	Professor	NHCE	
8	Dr. Gurulakshmi A. B.	Professor	NHCE	
9	Dr. Jayanthi M.	Associate Professor	NHCE	
10	Dr. Rajesh. G.	Associate Professor	NHCE	
11	Dr. Monika Gupta	Associate Professor	NHCE	
12	Dr. Sudhakiran P	Associate Professor	NHCE	
13	Vinay R	SAP	NHCE	
14	T.V.S. Adinarayan	SAP	NHCE	
15	Dr. Prajati Tripathi	SAP	NHCE	
16	Dr. Sampa Das	SAP	NHCE	
17	Shikha Rai A	AP	NHCE	
18	Mamta B. Savadatti	SAP	NHCE	
19	Ajay Sudhir Das	SAP	NHCE	
20	Hamsalekha. R	SAP	NHCE	
21	Nagendra. R	SAP	NHCE	
22	Dr. Mukti Yadav	AP	NHCE	
23	R. Baby Chithra	SAP	NHCE	
24	Ripsa Das	SAP	NHCE	

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on Incorporation of Expert Suggestions in BOS Meeting

Summary of Recommendations, Status, and Actions Taken

S. No	Expert Comments	Suggestions/Remarks by Experts	Action Taken	Status
1	Ability Enhancement Courses	Introduce one elective per section (3 electives per semester). Replace single AEC with multiple options for flexibility.	Reviewed in DAB; proposal communicated to curriculum design team for feasibility.	Under Review
2	Simplification of Subjects	Simplify AEC/DEC subjects for accessibility; include fan-in/fan-out in DEC.	Topics for simplification shortlisted; fan-in/fan-out added to DEC lab manual.	Incorporated
3	Core Course Additions	Add Linux as a core course.	Linux + Shell programming integrated as part of core AEC with boot RAM introduction.	Under Review
4	Practical Approach Emphasis	Emphasize practical methods (e.g., competitive coding with problem-solving).	Practical components integrated in AEC competitive coding syllabus.	Under Review
5	Proteus Lab	Add script functionality.	Proteus lab syllabus updated to include script functions.	Under Review
6	HDL Lab	Add practical motor control interfacing.	Lab experiments updated with motor control hardware interfacing.	Incorporated
7	MPMC Course	Module I on 8086, 3 modules for 8051, one on communication protocols (I2C, bus controllers).	MPMC syllabus revised accordingly.	Incorporated
8	Embedded Systems	Add power-saving concepts.	Topics on low-power embedded design included.	Incorporated

9	Computer Vision	Add VR/AR components.	VR/AR modules introduced in computer vision course.	Under Review
10	VLSI	Add lifecycle architecture leading to DFT.	VLSI syllabus revised to cover lifecycle architecture and DFT.	Incorporated

Further, all suggested changes have been effectively incorporated into the curriculum, aligning it with modern industry standards for students. The Board of Studies will continue to seek feedback to ensure the curriculum remains relevant and effective. Following steps are initiated in the department.

- Distributed the updated curriculum to all faculty and departments.
- A follow-up meeting happened with BOS members to discuss the implementation of the changes.

Enclosed:

- Updated Curriculum Document
- Detailed Syllabus Copy

Prepared by:

Autonomous Coordinator (ECE)

Verified By