

New Horizon College of Engineering

Department of Electronics and Communication Engineering

BOARD OF STUDIES MEETING - 7

DATE: 09/07/2021

VENUE: Department of ECE (Online)

Time: 11.30AM to 2:30 PM

New Horizon College of Engineering

Department of Electronics and Communication Engineering

BOARD OF STUDIES MEETING – 7

DATE: 09/07/2021

VENUE: Dept. of ECE (Online)

Time: 10 AM to 1:30 PM

AGENDA

1. Discussion on Scheme and Syllabus of 4th year ECE-B.E Courses (7th and 8th Semester).
2. Approval for the 4th year ECE-B.E Courses (7th and 8th Semester).

New Horizon College of Engineering

Department of Electronics and Communication Engineering.

Members of the Board of Studies (BOS)

Sl. No.		Nomination of the committee	Name	email id & Ph. No
1.	Faculty member at different level with different specialization	Chairperson	Dr. Sanjeev Sharma HOD-ECE, NHCE Chairman-BOS	hod_ece@newhorizonindia.edu 7829176479
		Member		
		1	Dr. B. Mohan Kumar Naik, Professor, ECE, NHCE	mohan72003@gmail.com 9986985232
		2	Dr. Nisha KCR Professor, ECE, NHCE	nishashaji2007@gmail.com 9902953427
		3	Dr. Reema Sharma Associate Professor, ECE, NHCE	sharma80reema@gmail.com 9902152111
		4	Dr. M. Dhivya, Associate Professor, ECE, NHCE	saidhivya1@gmail.com 8148361129
		5	Dr. Jayanthi M Associate Professor, ECE, NHCE	jayanthisathish1012@gmail.com 9740557704
		6	Prof. Aravinda K Associate Professor, ECE, NHCE	aravindake@gmail.com 9886724072
		Member		
2.	Subject expert from outside the college nominated by Academic Council	1	Dr. Ravi J,V Professor Dept of ECE Global Academy of Technology Bangalore	ravi.j@gat.ac.in 9481252624
		2	Dr. S. Bhargavi Professor Department of ECE S J C Institute of Technology Chickballapur	bhargavisunil@gmail.com 9972428675

		Member		
3.	Experts from outside the college nominated by VTU	1	Dr. Shivananda, Associate Professor, Dept. of Electronics and Communication Engg. Cambridge Institute of Technology, Bangalore-560036	cshivananda@gmail.com 9481800904
		Member		
4.	Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council	1	Mr. Bipin Malhan Director Synopsis	mbipin@gmail.com 9108782112
		2	Mr. Prafulla Galphade Senior Program Manager	prafullag@hotmail.com 9980842961
		3	Mr. Parag Bhatnagar Senior Engineering Manager	parag_bhatnagar@yahoo.com 9620398283
		4	Mr. Manjunath. R. N Senior HR Manager Department of HRD (Corporate Relations, L & D, Placements), NHCE	placements@newhorizonindia.edu 8722677888
		Member		
5.	Graduate meritorious alumni nominated by Principal	1	Mr. Akshara Murali, Physical Design Engineer at Frenus Tech PVT LTD and Implementation Consultant at Microchip Technology Inc.	aksharamurali25@gmail.com 9481938763
		Member		
6.	Co-opted members	1	Prof. Ramanamma Assistant Professor, ECE, NHCE	maturyrama@gmail.com 9538001783
		2	Prof. Rajesh. G, Sr. Assistant Professor, ECE, NHCE	grajesh.veltech@gmail.com 8919002384

MINUTES OF THE 7TH MEETING OF THE BOARD OF STUDIES FOR AY 2021-2022

1. Welcome and Introductory remarks by the BOS Chairman

The Chairman welcomed VTU Nominee, expert members from academics and industry and other members of the Board of Studies and highlighted the following salient points for discussion in the 4th BOS Meeting.

- Discussion on Scheme and Syllabus of 4th year ECE - B.E Courses (7th and 8th Semester).
- Approval for the 4th year ECE - B.E Courses (7th and 8th Semester).

Introductory remarks by the BOS Chairman

1. Chairman remarked on the need of accreditation process which is predominantly outcome based aiming at giving more weightage to the curriculum design, execution and outcome.
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 different guidelines such as that proposed by AICTE, Lead Professional Societies and VTU are available on the curriculum structure i.e., number of courses to be offered under for B.E. program.
4. 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 responses from the external academic experts on the same.

Remarks by Experts and Members

1. Academic expert suggested syllabus of Neural Networks can be simplified. Also emphasized to make use of some software tools to explain many topics in Neural Networks.
2. Academic expert suggested to include Digital Image processing course in 6th or 7th semester instead of 8th semester.
3. Academic expert suggested to give a MATLAB based perspective for first few modules of Biomedical Signal/ Image processing course.
4. Academic expert mentioned to reframe some COs of Fiber optics communication course.
5. Academic expert mentioned about missing of CO-PSO Matrix in some courses.
6. Academic expert suggested to map higher POs in cellular mobile communication, Switching and Finite Automata theory, Digital Neurocomputing, Neural networks, VLSI signal processing courses by including activity based learning.
7. One expert member suggested to refine the CO statements for some courses.
8. Expert member suggested to relook in CAM matrix as CO – PO mapping is not within the RBT levels.
9. Expert member recommended to use recent edition text books for some courses.
10. Academic expert suggested to include few experiments on Antennas in Advanced Communication Lab.
11. Industry Expert suggested to include list of experiments instead of all open-ended experiments for the EDA software workshop lab.

2. The Board of Studies in Electronics & Communication Engineering recommended the following

The Standing Committee recommended

- Revision of B.E. scheme and syllabus for 4th year and put forward for approval for the AY 2021-22.

B.E. scheme and syllabus for 4th year is included in **Appendix I**.

3. 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 the experts, faculty and student alumni for their valuable inputs and suggestions.

BOS MEMBERS PRESENT



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 Electronics and Communication Engineering
7th Board of Studies (Bos) meeting
9th July 2021 at 11.30am

List of BoS members Present:

S.No	Name of the staff	Signature
01	Dr. Saijean Shama	
02	Dr. Aravinda K	
03	Dipsa Dash	
04	D. B. V. Sathish Kiran	
05	Rajiv Gopal	
06	Dr. Piruthiviraj P	
07	Aneta S. Antony	
08	Tessy Tony	
09	Dr. M. Jayanthi	
10.	Dr. M. Dhanya	
11.	Dr. Rajesh G	
12	Dr. B. Mohan Kumar Nalle	
13	Anish B B	
14.	P. Ramaramma	
15	Karthik CV	

APPENDIX I

ACADEMIC YEAR: 2021-22 -- Semester: VII

Sl. No.	Course Code	Course	Credit Distribution				Overall Credits	Contact hours	Marks		
			L	T	P	S			CIE	SEE	Total
1	20ECE71A	Wireless Communication	3	0	0	0	3	3	50	50	100
2	20ECE72A	Antennas and Wave propagation	3	0	0	0	3	3	50	50	100
3	20ECE73A	Fiber Optic Communication	3	0	0	0	3	3	50	50	100
4	20ECE74XA	Professional Elective-IV	3	0	0	0	3	3	50	50	100
	20ECE741A	Embedded Computing									
	20ECE742A	Advanced Semiconductors									
	20ECE743A	Satellite Communications									
	20ECE744A	Biomedical Signal Processing									
	20ECE745A	Artificial Intelligence and Cognitive Computing									
	20ECE746A	Software Defined Radio									
5	20ECE75XA	Professional Elective-V	3	0	0	0	3	3	50	50	100
	20ECE751A	Robotics									
	20ECE752A	Low power VLSI Design									
	20ECE753A	Wireless Ad-hoc Sensor Networks									
	20ECE754A	VLSI Signal Processing									
	20ECE755A	Neural Networks									
	20ECE756A	Renewable Energy									
6	20ECL76A	Advanced Communication Lab	0	0	1.5	0	1.5	3	25	25	50
7	20ECL77A	EDA Software Workshop Lab	0	0	1.5	0	1.5	3	25	25	50

8	20ECL78A	Project Phase-1	-	-	2	0	2	4	25	25	50	
9	20NHOPXXX	Open Elective-II	3	0	0	0	3	3	50	50	100	
	20NHOP709	Cisco - Routing & Switching - 1										
	20NHOP712	Cisco - Routing & Switching -2										
	20NHOP717A	Network security and Cryptography										
	20NHOP718A	Physical Design										
Total								23	28	375	375	750

Semester: VIII

Sl. No.	Course Code	Course	Credit Distribution				Overall Credits	Contact hours	Marks		
			L	T	P	S			CIE	SEE	Total
1	20ECE81XA	Professional Elective-VI	3	0	0	0	3	3	50	50	100
	20ECE811A	Internet of Things									
	20ECE812A	VLSI Design Manufacturing									
	20ECE813A	Cellular Mobile Communication									
	20ECE814A	Industrial Automation									
	20ECE815A	Python and R Programming									
	20ECE816A	Optical Networks									
2	20ECE82XA	Professional Elective-VII	3	0	0	0	3	3	50	50	100
	20ECE821A	Switching & Finite Automata Theory									
	20ECE822A	Digital Neurocomputing									
	20ECE823A	Pattern Recognition and Application									
	20ECE824A	Radar networks									
	20ECE825A	Wireless and High speed ICs and Systems									
	20ECE826A	Block Chain Technology									
3	20ECL83A	Internship	-	-	-	-	4	0	50	50	100
4	20ECL84A	Project Phase-2	-	-	10	-	10	20	150	150	300
Total							20	26	300	300	600