

# New Horizon College of Engineering

Department of Electronics and Communication Engineering

## BOARD OF STUDIES MEETING-1

● DATE: 14/07/2015

VENUE: Boardroom, MBA Department

Time: 2.45 to 4.45 PM

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### **AGENDA**

1. Syllabus approval of the subject Basic Electronics for First year.
2. Syllabus approval of M.tech I sem in VLSI & Embedded Systems and Communication Systems.
3. Discussion on scheme of B.E courses from III sem to VIII sem and M.Tech courses in VLSI & Embedded Systems and Communication Systems.

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**MEMBERS OF THE BOARD OF STUDIES**

Sl.No.		Name
1.	<b>Faculty with different specialization</b>	Dr. Sanjay Jain, HOD, ECE, NHCE
2.		Mr.Aravinda K, Sr. Asst. Professor, ECE, NHCE
3.		Ms. Dharmambal, Sr. Asst. Professor, ECE, NHCE
4.		Dr. Mohan Kumar Naik, Sr. Associate Professor, ECE, NHCE
5.		Dr. Nisha KCR, Associate Professor, ECE, NHCE
6.		Ms. P. Sreeramani, Sr. Asst. Professor, ECE, NHCE
7.		Ms. Ishani Mishra, Assistant Professor, ECE, NHCE
8.	<b>Subject Expert</b>	Dr. Seshachalam, Professor & HOD, BMS
9.		Dr. B K Sujatha, Professor, MSRIT
10.	<b>VTU Nominee</b>	Dr. Preeta Sharan, Professor, ECE, Oxford College of Engineering
11.	<b>Industry</b>	Mr. Ravishankar, Director, Anora laboratories Pvt Ltd.
12.		Mr. Nagaraj Subramaniam, Eklakshya, Ex GM, TI
13.		Dr. Prasad, MD, Audience Communication
14.	<b>Co-opted member</b>	Ms. Lipsa Dash Assistant Professor, ECE, NHCE
15.		Ms. Divya Sharma Assistant Professor, ECE, NHCE
16.	<b>Student-PG Alumni</b>	Mr. Praveen Kumar J, M.Tech(NHCE), e silicon Tech
17.	<b>Special Invitees</b>	Mr. Madhukar B N, Senior Assistant Professor, ECE, NHCE
18.		Ms. Nagina Kocharekar Assistant Professor, ECE, NHCE
19.		Ms .Thanuja I K Assistant Professor, ECE, NHCE
20.		Mr. Hemanth kumara K B Assistant Professor, ECE, NHCE
21.		Mr. Kishore , Alumni.

## MEMBERS PRESENT

1.	Dr. Sanjay Jain, HOD,ECE, NHCE
2.	Mr.Aravinda K, Sr. Asst. Professor, ECE,NHCE
3.	Ms. Dharmambal, Sr. Asst. Professor, ECE,NHCE
4.	Dr. Mohan Kumar Naik, Sr. Associate Professor, ECE,NHCE
5.	Dr. Nisha KCR, Associate Professor, ECE, NHCE
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7.	Ms. Ishani Mishra, Assistant Professor, ECE,NHCE
8.	Dr. Seshachalam, HOD,BMS
9.	Dr. B K Sujatha, Professor, MSRIT
10.	Mr. Nagaraj Subramaniam, Eklakshya, Ex GM, TI
11.	Ms. Lipsa Dash, Assistant Professor, ECE,NHCE
12.	Ms. Divya Sharma, Assistant Professor, ECE,NHCE
13.	Mr.Madhukar B N, Senior Assistant Professor, ECE, NHCE
14.	Ms. Nagina Kocharekar, Assistant Professor, ECE, NHCE
15.	Ms .Thanuja I K, Assistant Professor, ECE, NHCE
16.	Mr. Hemanthkumara K B, Assistant Professor, ECE, NHCE
17.	Mr. Kishore , Alumni.

## **WELCOME ADDRESS BY THE CHAIRMAN OF THE BOS AND INTRODUCTION OF MEMBERS**

The chairman of the BOS Dr. Sanjay Jain (HOD, ECE Department) mentioned that, "NHCE has got autonomous status. This will provide us an opportunity to enhance the skills and knowledge of our students by updating curriculum meeting the industry needs, changing pedagogy and revamping the evaluation process."

The chairman requested all the members to introduce themselves.

**NEW HORIZON COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**1<sup>ST</sup> BOARD OF STUDIES MEETING**

**AGENDA-1**

**APPROVAL OF THE SYLLABUS OF BASIC ELECTRONICS FOR  
FIRST YEAR**

The curriculum for Basic electronics was presented by Ms Lipsa Dash and the following suggestions are listed.

1. Mr. Nagaraj Subramaniam mentioned that industry uses MOSFET in 90% cases rather than BJT and hence it is advisable to include MOSFET concepts.
2. Applications of Basic Electronics in consumer products or engineering equipments can also be included.

**NEW HORIZON COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**1<sup>ST</sup> BOARD OF STUDIES MEETING**  
**AGENDA-2**

**APPROVAL OF THE SYLLABUS FOR M.Tech VLSI & EMBEDDED  
SYSTEMS AND COMMUNICATION SYSTEMS FOR I SEM**

The syllabus for M.Tech in VLSI & Embedded system was presented by Mr. Aravinda and Dr. KCR Nisha and the syllabus for M.Tech in Communication system was presented by Mr. Madhukar and Ms. Lipsa Dash and the following suggestions were proposed.

1. Dr BK Sujatha suggested that simulator based experiments can be included for labs in M.Tech Communication systems.
2. Microwave devices based experiments can be removed from the Antenna lab in M.Tech Communication systems.



# NEW HORIZON COLLEGE OF ENGINEERING

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION

### 1<sup>ST</sup> BOARD OF STUDIES MEETING

#### AGENDA-3

a) DISCUSSION ON SCHEME OF B.E COURSES FROM III SEM TO VIII SEM.

b) DISCUSSION ON SCHEME OF M.TECH COURSES IN VLSI & EMBEDDED SYSTEMS AND COMMUNICATION SYSTEMS.

The B.E scheme was presented by Ms. Lipsa Dash and the following observations were made.

1. Self study can be included for one subject in each semester.
2. To help the students in embedded system related project work, it is advisable to swap Antenna and Embedded system subjects.(VI/VII sem)
3. Dr.Seshachalam advised that Microprocessor (MP) and Microcontroller (MC) can be merged and taught as one subject without referring to specific MP or MC.

The M.Tech scheme in VLSI & Embedded system was presented by Dr. KCR Nisha and the scheme for M.Tech in Communication system was presented by Mr. Madhukar and the following suggestions were proposed.

1. Pre-requisites to be included for inter-disciplinary branches.
2. Global electives can be restricted to PG courses of the department.
3. Core electives can be called as 'Program Electives'.
4. Online resources can be included for the subjects.
5. Dr. Seshachalam mentioned that emphasis on embedded system can be enhanced and VLSI topics can be reduced for VLSI & Embedded system.
6. Subjects such as SDR, Telecom standards or Telecom management can be included in Communication systems.

## RECOMMENDATIONS OF THE BOARD

### *Syllabus of Basic Electronics*

1. Include MOSFET concepts.
2. Provide assignments on Application of Basic Electronics.

### *Syllabus of M.Tech VLSI & Embedded System/Communication systems*

3. Include simulation based experiments.
4. Microwave devices based experiments to be removed.

### *Scheme of B.E course*

5. Self-study to be included for one subject in each semester.
6. Microprocessor and Microcontroller to be merged as a single subject.
7. The subjects Antenna theory and Embedded systems have to be swapped.

### *Scheme of M.Tech courses*


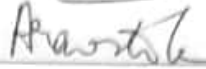

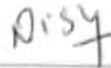
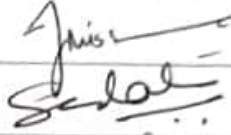
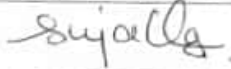
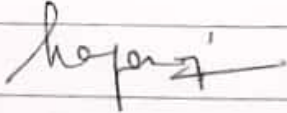
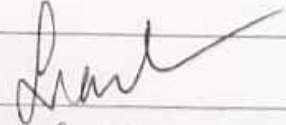

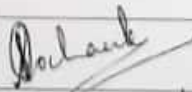
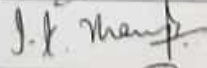

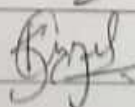
8. Emphasize on Embedded system based subjects for M. Tech (VLSI & Embedded systems).
9. Include the subject Software Defined Radio (SDR) for M.Tech (Communication Systems).
10. Pre-requisite sessions/assignments to be considered for non ECE students.
11. Consider online resources for student reference.

### *General recommendation*

12. Core electives can be called as 'Program Electives'.
13. Course code format can be re-considered for addition/deletion/change of new subjects in future.


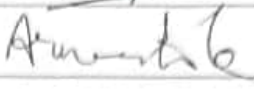
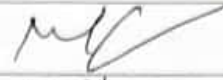

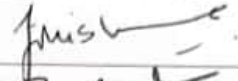
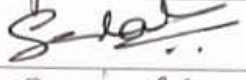
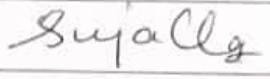
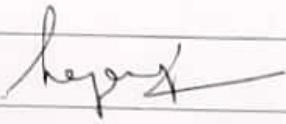
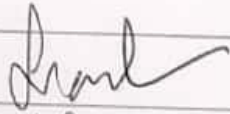
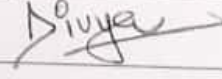

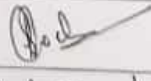
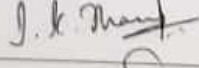

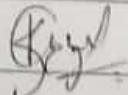
## APPROVAL OF MINUTES OF MEETING

Date: 14-07-2015

Sl.No.	Name	Signature
1.	Dr. Sanjay Jain, HOD,ECE, NHCE	
2.	Mr.Aravinda K, Associate Professor, ECE,NHCE	
3.	Ms. Dharmambal, Professor, ECE,NHCE	
4.	Dr. Mohan Kumar Naik, ECE,NHCE Senior Associate Professor	
5.	Dr. Nisha KCR, Associate Professor, ECE, NHCE	
6.	Ms. P. Sreeramani, Associate Professor, ECE,NHCE	
7.	Ms. Ishani Mishra, Assistant Professor, ECE,NHCE	
8.	Dr. Seshachalam, HOD,BMS	
9.	Dr. B K Sujatha, MSRIT	
10.	VTU Nominee (Expert-VC)	
11.	Mr. Ravishankar, Director, Anora laboratories Pvt Ltd.	
12.	Mr. Nagaraj Subramaniam, Eklakshya, Ex GM, TI	
13.	Dr. Prasad, MD, Audience Communication	
14.	Ms. Lipsa Dash, Assistant Professor, ECE,NHCE	
15.	Ms. Divya Sharma, Assistant Professor, ECE,NHCE	
16.	Mr. Praveen Kumar J, M.Tech, e silicon Tech	
17.	Mr.Madhukar B N, Senior Assistant Professor, ECE, NHCE	Madhukar B N (✓)
18.	Ms. Nagina Kocharekar, Assistant Professor, ECE, NHCE	
19.	Ms .Thanuja I K, Assistant Professor, ECE, NHCE	
20.	Mr. Hemanthkumara K B, Assistant Professor, ECE, NHCE	
21.	Mr. Kishore , Alumni.	

## NAME AND SIGNATURE OF ALL THE ATTENDEES

Date: 14-07-2015

Sl.No.	Name	Signature
1.	Dr. Sanjay Jain, HOD,ECE, NHCE	
2.	Mr.Aravinda K, Associate Professor, ECE,NHCE	
3.	Ms. Dharmambal, Professor, ECE,NHCE	
4.	Dr. Mohan Kumar Naik, ECE,NHCE SENIOR ASSOCIATE PROFESSOR	
5.	Dr. Nisha KCR, Associate Professor, ECE, NHCE	
6.	Ms. P. Sreeramani, Associate Professor, ECE,NHCE	
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## **VOTE OF THANKS BY THE CHAIRMAN-BOS**

The meeting concluded with the vote of thanks by the chairman, Dr. Sanjay Jain (HOD, ECE Department). He appreciated the comments from all the experts, faculty and student alumni for their valuable inputs and suggestions.