NEW HORIZON
COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

BOARD OF STUDIES MEETING

DATE : 22.06.2020

VENUE : Department of EEE

TIME : 10.00 am – 12.00pm

CONTENTS

AGENDA FOR THE MEETING
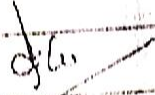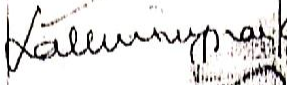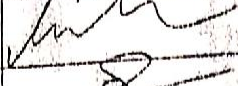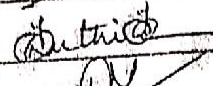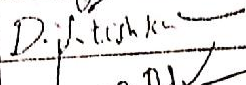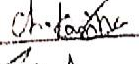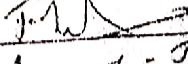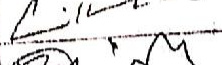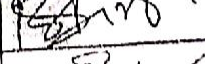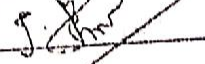
Agenda 1: Approval of Scheme & Syllabus of III Year-2018-19 Batch (V & VI semesters)

Agenda 2: Approval of Scheme for 2018-19 Batch (VII & VIII semesters)

LIST OF MEMBERS

Sl. No	Category	Nomination of the Committee	Name of the Person
1	Head of the Department	Chairperson	Dr. Ramkumar S
2	Faculty members at different level with different specialization	Member	
		1	Dr Guna Priya B
		2	Mr.Inbasakaran S
		3	Mr. Joshua Daniel Raj
		4	Mr.Satish Kumar D
		5	Ms.Karthika M
3	Subject expert from outside the college nominated by Academic Council	Member	
		1	Dr.Geetha R S BMS college of Engineering
		2	Dr.Venkateshappa REVA University, Bengaluru-560064
4	Experts from outside the college nominated by Vice Chancellor	Member	
		1	Dr Lakshminarayana,Professor, BMS college of Engineering
5	Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council	Member	
		1	Dr.Chandrasekhar B Technical Lead Automotive Business Division,TCS,Bangalore
		2	Dr.Karthikeyan K ABB India Ltd., LV Capacitors - R&D, Bangalore-560058
6	Post Graduate meritorious alumni nominated by Principal	Member	
		1	Mr.Vishwambhar Kulkarni Project Engineer Wipro Technologies Bangalore-560037
7	Co-opted members	1	Mr.Muniprakash T
		2	Ms.Kavitha Ch. Reddy
		3	Mr.Lithesh J
8	Training & Placement Officer	1	Mr.Binod Kumar Singh NHCE
9	R&D Coordinator	1	Dr Prasanth Ram J, NHCE

LIST OF MEMBERS PRESENT

Name	Signature
Ramkumar S(Chairman)	
Lakshminarayana, Professor, BMS college of Engineering (VTU nominee)	
Dr.Venkateshappa, Professor, REVA University (Subject Expert)	
Dr. Guna Priya B (Faculty member)	
Mr. Inbasakaran S (Faculty member)	
Ms. Karthika M (Faculty member)	
Mr. Joshua Daniel Raj (Faculty member)	
Mr. Satish Kumar D (Faculty member)	
Vishwambhar Kulkarni (Meritorious Alumni)	
Ms. Kavitha C. Reddy(Co-opted member)	
Mr. Muniprakash T (Co-opted member)	
Lokesh J (Co-opted member)	
Binod Kumar Singh (Training & Placement Officer)	
Dr. Prasanth Ram J(R& D Co-Ordinator)	

Department of Electrical & Electronics Engineering

WELCOME ADDRESS BY THE CHAIRMAN OF BOS AND INTRODUCTION OF MEMBERS

Minutes

Dr.Ramkumar S, Chairman of BOS, welcomed the BoS members and introduced the significance of autonomy in the context of engineering education from industry perspective. The chairman briefed the gathering about the various regulations being followed in the department and emphasized the need for revision in curriculum and syllabi based on the inputs from various stake holders.

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AGENDA -1
Approval of Scheme & Syllabus of III Year-2018-19 Batch (V & VI semesters)
Minutes

- *Scheme & Syllabus of III-year -2018-19 Batch (V & VI semesters) has been reviewed.*
- *Suggestions from BoS members have been acknowledged and discussed in detail.*
- *The Scheme & Syllabus has been unanimously approved by all the members.*

AGENDA -2
Approval of Scheme for 2018-19 Batch (VII & VIII semesters)

Minutes

- *Schemes for III year (2018-2019 Batch) (VII-VIII semesters) has been reviewed.*
- *Suggestions from BoS members have been acknowledged and discussed in detail*
- *The Scheme has been unanimously approved by all the members.*

V semester

S.No	Course Code	Course Name
1	20EEE51	Transmission and Distribution
2	20EEE52	Control Systems
3	20EEE53	Synchronous and Induction Machines
4	20EEE54	Signals and Systems
5	20EEE55	Industrial Automation
6	20EEE56X	Professional Elective- I
7	20EEL57	Control Systems Laboratory
8	20EEL58	Synchronous and Induction Machines Laboratory
9	20EEL59	Mini Project -III

Professional Elective-I

S.No	Course Code	Course Name
1	20EEE561	Data Structures and Algorithms
2	20EEE562	Modern Communication Systems
3	20EEE563	Advanced Micro Controller and Applications
4	20EEE564	MEMS and Applications

VI semester:

S.No	Course Code	Course Name
1	20EEE61	Power System Analysis
2	20EEE62	Power Electronics
3	20EEE63	Power system Protection
4	20EEE64X	Professional Elective -II
5	20EEE65X	Professional Elective -III
6	20NHOPX	Open Elective -I
7	20EEL66	Power System Analysis Laboratory
8	20EEL67	Power Electronics Laboratory

9	20EEL68	Mini Project - IV

Professional Elective-II

S.No	Course Code	Course Name
1	20EEE641	Object Oriented Programming
2	20EEE642	Fibre Optic and Laser Instrumentation
3	20EEE643	Robotics and Automation
4	20EEE644	Virtual Instrumentation

Professional Elective-III

S.No	Course Code	Course Name
1	20EEE651	Operation Research
2	20EEE652	VLSI Design
3	20EEE653	Advanced Industrial and Building Automation
4	20EEE654	Advanced Control Systems

VII semester:

S.No	Course Code	Course Name
1	21EEE71	Special Electrical Machines
2	21EEE72	Relay and High voltage Engineering
3	21EEE73	Electrical Drives and vehicles
4	21EEE74X	Professional Elective -IV
5	21EEE75X	Professional Elective –V
6	21NHOPX	Open Elective- II
7	21EEL76	Relay and High voltage Engineering laboratory
8	21EEL77	Simulation tools for Electrical Engineering laboratory
9	21EEE78	Project Phase - I

Professional Elective-IV

S.No	Course Code	Course Name
1	21EEE741	Digital Signal Processing
2	21EEE742	FACTS and HVDC transmission
3	21EEE743	Testing and Commissioning
4	21EEE744	Energy Auditing and Demand side Management

Professional Elective-V

S.No	Course Code	Course Name
1	21EEE751	Utilization of Electrical Energy
2	21EEE752	Power System Operation and Control
3	21EEE 753	Professional Ethics
4	21EEE 754	Artificial Neural network and Fuzzy logic

VIII semester:

S.No	Course Code	Course Name
1	21EEE 81X	Professional Elective –VI
2	21EEE 82X	Professional Elective –VII
3	21EEE 83	Internship
4	21EEE 84	Project Phase -II

Professional Elective-VI

S.No	Course Code	Course Name
1	21EEE811	Estimation and Costing of electrical systems
2	21EEE812	Smart Grid
3	21EEE813	Power Quality
4	21EEE814	Integration of distributed generation

Professional Elective-VII

S.No	Course Code	Course Name
1	21EEE821	Solar Photo Voltaic Fundamentals, Technologies and Applications
2	21EEE822	Simulation of Power Electronics
3	21EEE823	Biomedical Instrumentation
4	21EEE824	Applications of IOT in Electrical Engineering

OPEN ELECTIVES LIST

SL. No.	Course Name	Course Code
1.	Big Data Analytics using Hp Vertica- 1	NHOP01
2.	VM Ware Virtualization Essentials-1	NHOP02
3.	Big Data Analytics Using HP Vertica- 2	NHOP04
4.	VM WARE Virtualization Essentials -2	NHOP05
5.	SAP	NHOP07
6.	Schneider - Industrial Automation	NHOP08
7.	CISCO- Routing and Switching - 1	NHOP09
8.	Data Analytics	NHOP10
9.	Machine Learning	NHOP11
10.	CISCO- Routing and Switching - 2	NHOP12
11.	IIOT- Embedded System	NHOP13
12.	Blockchain	NHOP14
13.	Product Life Cycle Management	NHOP15
14.	CISCO- Routing and Switching - 3	NHOP16

RECOMMENDATIONS OF THE BOARD

The agenda was already circulated among the committee members and the following discussions were made based on the agenda.

Dr Lakshminarayana C,Professor in EEE, BMS College of Engineering, Bangalore and the VTU nominee attended the meeting along with Dr Venkateshappa, Professor in EEE,REVA University, Bangalore. The members appreciated the curriculum and syllabi.

Subject 1: 20EEE54-Signals and Systems

Dr Lakshminarayana C suggested that tutorial hours can be explicitly included in the curriculum itself and the distribution could be L:T:P:3:1:0.It was clarified that the number of credits could not be revised since the overall credits for the semester can be only 23. However, exclusive tutorial hours will be included during framing of timetable.

Subject 2: 21EEE754- Artificial Neural Network and Fuzzy Logic

Dr Lakshminarayana C opined that the course 21EEE754- Artificial Neural Network and Fuzzy Logic can be included under professional electives in the VI semester in order to help students prepare themselves for placement drives.

Subject 3: Internship and Project

Dr Lakshminarayana C observed that the credits allotted to internship can be reduced and more weightage can be given to project. Mr.Binod Kumar Singh, Training & Placement Officer, NHCE acknowledged this observation and informed that it would be discussed in the appropriate forum.

Subject 4:CO-PO mapping-Revisit

The VTU nominee suggested to revisit the CO-PO mapping of all the courses could be reviewed and more weightage can be included under PO3.

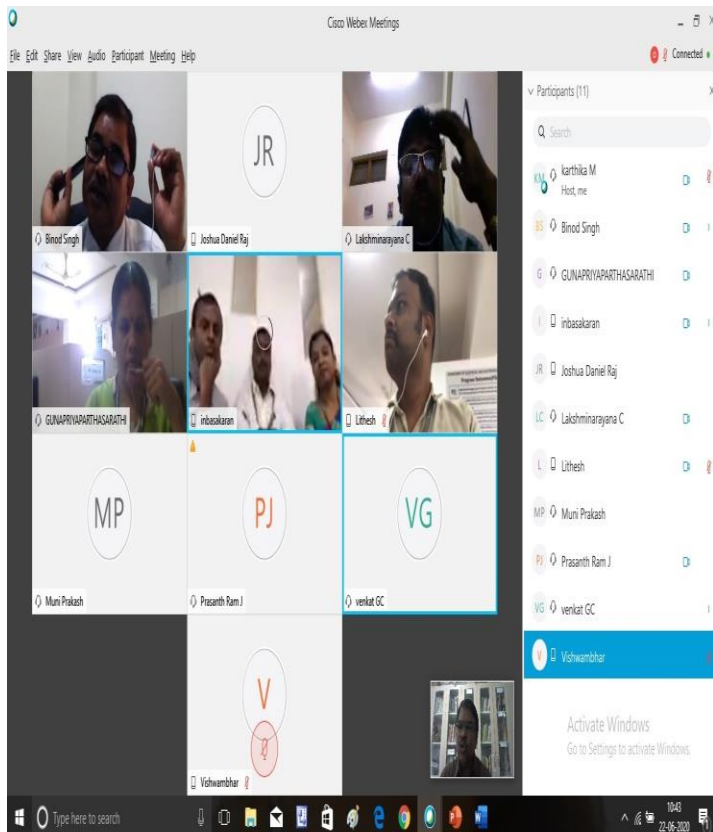## Subject 5: Inputs from Training & Placement Officer, NHCE

Mr.Binod Kumar Singh, suggested to include programming courses in the V & VI semesters in order to make students placement ready during VII semester. It was conveyed that 20EEE561-Data Structures and Algorithms and 20EEE641- Object Oriented Programming have been included based on the suggestion from Dean Academics.

Subject 6: Approval of Scheme and Syllabi

Dr.Venkateshappa, Subject expert appreciated the contents and endorsed the views raised by Dr Lakshminarayana C. The BoS members unanimously approved the scheme and syllabi for V and VI semesters for 2018-2019 batch. The board has also approved scheme for VII and VIII semesters for 2018-2019 batch.

VOTE OF THANKS BY THE CHAIRMAN-BoS

The Chairman thanked all the members for having participated in the meeting and contributed in framing the curriculum and syllabi for 2018-2019 batch.