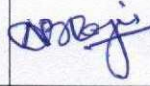

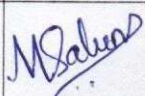


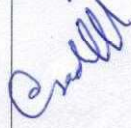


Department of Electrical & Electronics Engineering
Structure of Board of Studies
5th BOS Meeting – 13th April 2019

The meeting of Board of Studies in E&E Engineering is convened on Saturday 13th April 2019 to discuss & approve the following. The meeting will be held at EEE Department Computer Centre at 10.00am.

1. Approval for Scheme & Syllabi of 2016-20 batch for 7th & 8th semester
2. Approval for Scheme & Syllabi of 2017-21 batch for 5th & 6th semester
3. Approval for Scheme & Syllabi of 2018-22 batch for 3rd & 4th semester
4. Approval for Scheme & Syllabi of 2019-23 batch for 3rd to 8th sem scheme & Syllabi of I /II semester Basic Electrical Engineering

BOS Members

S. No.	Category	Nomination of the Committee		Name of the Person	Signature
1	Concerned Head of the Department/ School/ Centre	Chairperson	1	Dr. A B Raju Prof. & Head, Electrical & Electronics Engg. Dept.	
2	ONE Professor, ONE Associate Professor and ONE Assistant Professor from the Department/ School/ Centre, nominated by the Dean Academic Affairs	Members	1	Dr. S R Karnik Professor, Electrical & Electronics Engg. Dept.	
			2	Smt. Rohini B Jyoti Associate Professor, Electrical & Electronics Engg. Dept.	—
			3	Mrs. Minal Salunke Asst. Professor, Electrical & Electronics Engg. Dept.	
3	TWO Subject experts from outside the college nominated by the Vice-Chancellor	Members	1	Dr. Dambare Professor, E&E Dept., College of Engineering, Pune	—
			2	Dr. Arjun Mudlapur Asst. Professor, E&E Dept., MIT, Manipal.	
4	TWO representative from industry corporate sector/ allied area relating to placement nominated by the Vice-Chancellor	Members	1	Dr. Pavana Kumar P Director and Chief Executive Officer Simlife Electric, Bangalore	
			2	Mr. Allahbaksh Asadullah Product Technical Architect. Infosys, Bangalore. Allahbaksh_Asadullah@infosys.com	
5	Co-opted Members	Members	1	Smt. Jyoti C Pattanshetti Associate Professor, Electrical & Electronics Engg. Dept.	—



S. No.	Category	Nomination of the Committee		Name of the Person	Signature
			2	Mr. Anoopkumar Patil Asst. Professor, Electrical & Electronics Engg. Dept.	
			3	Mr. Sachin Angadi Asst. Professor, Electrical & Electronics Engg. Dept.	
6	ONE Post-graduate meritorious alumnus nominated by the Vice-Chancellor	Member	1	Dr. Savita Angadi, Scientist- Software Specialist – Analytics, SAS Research and Development (India) Pvt. Ltd. Pune.	—
7	ONE Student Member representing each of the program offered by the Department/ School/ Centre	Member	1	Shivakumar S Tariwal 8 th semester Electrical & Electronics Engg. Dept.	
8	ONE Senior faculty member nominated by the concerned Head of the Department/ School/ Centre	Member	1	Ms. Anupama R Itagi Asst. Professor, Electrical & Electronics Engg. Dept.	

(Dr P. G. Tewari)

DEAN ACADEMIC AFFAIRS

KLE Technological University Hubballi

Department of Electrical & Electronics Engineering

Minutes of BOS Meeting held on 13-04-2019

1. Scheme & Syllabus of VII/VIII Semester's, KLE Tech. 2016-20, and batch was reviewed.

Following suggestions were made:

- Switched Mode Power Conversion - Introduce Flux walking/flux resetting in DC power supplies.
- IoT - Change course title as "Introduction to IoT and its applications", introduce concept of node red & prolog in chapter 5.
- Power System Modelling, Operation and Control – offered as a core course.
- Flexible AC Transmission Systems (FACTS) - Offered course in Modern Power and Energy Systems vertical.
- Wind and PV Electrical Energy Systems - Offered as an open elective.
- Embedded Linux - Offered as an elective in Embedded Systems Vertical.

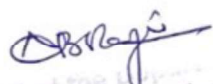
2. Scheme and syllabus of V/VI Semester's, KLE Tech. 2017-21, batch was reviewed.

Following suggestions were made:

- Linear Integrated Circuits - Introduce a lab on LIC, include Band Pass filter concepts in course & Hysteresis concepts, divide teaching hours of UNIT III chapter as 5+5, introduce PLL.
- Power Electronics - Introduce types of control strategies like space vector control.
- Operating Systems and Embedded Systems- Introduce implementation of semaphore in the lab, Visibility of the process, ways to communicate to process, concepts of threading.
- Electrical Machines Lab - Use Mini tab tool, Introduce DOE course.
- Electric Drives and control lab - Forward and Flyback DC DC converter concepts to be dealt before conduction of experiment, SCR based converter can be part of self study.
- MAHEES - Plan Co-teaching by experts.
- Machine Learning - Deep learning with electrical perspective, crack on wind turbines, wires etc.

Following changes were made:

- Battery management system – offered a course in e-mobility vertical.
- CMOS VLSI Circuits - offered course in embedded vertical. Suggested to refer book on CMOS VLSI Design by David Haris and Weste (Latest edition)


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3. Scheme and syllabus of III/IV Semester's, KLE Tech. 2018-22, and batch was reviewed.

Following suggestions were made:

- 8051 microcontroller/ ARM microcontroller - Introduce TI, infinion processor.
- Maths-I - Co-relate Mathematics with physical entities.
- 8051 microcontroller - Introduce RS 485 concepts.
- Electrical Machines - Discuss concepts of DC machines, Transformers and Induction machine concepts in detail, Introduction on Synchronous machines can be included, change teaching hours from 5hrs to 2hrs for Single phase Induction machines, change teaching hours from 5hrs to 8hrs for Synchronous machines, Credit structure from 3-0-0 to 4-0-0, Introduce a chapter on concepts of rotating electrical machines.
- OOPS with C++ - Change of title to OOPS using C++, Concept of headers, Smart pointers, Exception handling chapter to be dealt in earlier chapters.
- Analog Electronics - Introduce linear region, switching and cutoff region in MOSFET characteristics.
- Digital Electronics - Currently used memories to be introduced in Chapter 07.

Following change was made:

- Signals & Systems - Introduce this course for preparing competitive exams like GATE.
4. Syllabus of I/II Semester's, of Basic Electrical Engineering, KLE Tech. 2019-23, batch was reviewed and approved. Following suggestions were made: Introduce difference between IGBT, thyristor along with applications and when they can be used. Flyback converter introduce in power electronics.


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