KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641 021

16-04-2015

Minutes of the meeting of the Board of Studies in **2015-2016** held on **16-04-2015** at **10 am** / pm in the **EEE Department** at Karpagam Academy of Higher Education.

Members Present:

1. Dr. A. AMUDHA,
   PROFESSOR AND HEAD, EEE DEPARTMENT,
   KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.

2. Prof. S. KUPPUSAMY,
   ASSOCIATE PROFESSOR, EEE DEPARTMENT,
   KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.

3. Prof. K. BALACHANDER,
   ASSOCIATE PROFESSOR, EEE DEPARTMENT,
   KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.

4. Prof. T. RAMESH,
   ASSISTANT PROFESSOR, EEE DEPARTMENT,
   KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.

5. Prof. R. VICTOR MANO,
   ASSISTANT PROFESSOR, EEE DEPARTMENT,
   KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE.

6. Dr. S. BALAMURUGAN,
   ASSOCIATE PROFESSOR, EEE DEPARTMENT,
   AMRITA UNIVERSITY, COIMBATORE.

The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft Curriculum / Syllabus/ Syllabi and after detailed discussion the following resolutions were passed.

Agenda: 1

To consider and approve the Regulations and Syllabus for following programme.

- B.E (Electrical and Electronics Engineering)

Resolution: 1

Resolved to approve the Regulations and Syllabus for BE (EEE) programme and it comes into effect from 2015-16 (Approved Regulations and Syllabus given in Annexure-I).

New Courses introduced

S. No.	Course Code	Name of the Course
1.	15BECC151	Human Values
2.	15BECC251	Elementary Biology
3.	15BEEE205	Analysis of Electric Circuits
4.	15BEEE212	Electric Circuits Laboratory
5.	15BEEE305	Renewable Energy Sources
6.	15BEEE313	Introduction to Electrical System Softare Laboratory
7.	15BEEE351	YOGA/NSS
8.	15BEEE412	Scientific Computing Laboratory
9.	15BEEE452	Foreign Language (German,Japanese)/Hindi
10.	15BEEE5E--	Department Elective –VI,VII,VIII,IV
11.	15BEEE5E--	Department Elective –VII
12.	15BEEE5E--	Department Elective –VIII
13.	15BEEE5E--	Department Elective –IV
14.	15BEEE513	Measurements and Instrumentation Laboratory
15.	15BEEE552	Mini Project
16.	15BEEE652	Mobile Servicing
17.	15BE__7OE__	Open Elective
18.	15BEEE713	Electrical Drives Lab
19.	15BEEE711	Control and Maintenance Lab
20.	15BEEE752	ETAP AND PSCAD

The electives introduced are:

S. No.	Course Code	Name of the Course
1.	15BEEE5E01	Network Analysis and Synthesis
2.	15BEEE5E03	Power Plant Engineering
3.	15BEEE5E04	Communication Engineering
4.	15BEEE5E05	Introduction to Neural Networks
5.	15BEEE6E01	Computer Architecture
6.	15BEEE6E03	Distributed Generation
7.	15BEEE6E07	Digital Signal Processing
8.	15BEEE7E01	Computer Networks
9.	15BEEE7E05	Sensor and Transducer
10.	15BEEE7E06	HVDC and EHVAC
11.	15BEEE7E07	Switched Mode Power Conversion
12.	15BEEE7E09	PLC and Industrial Automation

13.	15BEEE7E10	Microcontroller Based System Design
14.	15BEEE8E02	Smart Grid
15.	15BEEE8E06	Intellectual Property Rights
16.	15BEEE8E09	Industrial Automation
17.	15BEEE8E10	Computer Aided Analysis &Design of Electrical Apparatus
18.	15BEEE8E13	Power Generation Systems
19.	15BEEE8E14	Modern Semiconductor Devices
20.	15BEEE8E15	Optimization Techniques
21.	15BEEE8E16	Real Time Operating System
22.	15BEEE8E17	Advances in Soft Computing
23.	15BEEE8E18	Digital System Design using VHDL

The changes in the existing courses are:

S. No.	Course Code	Name of the Course	Changes Introduced in
1.	15BEEE401	Electrical Machines II	Unit I, III and IV changed
2.	15BEEE411	Electrical Machines II Lab	All Experiment
3.	15BECC103	Engg. Physics	Unit IV&V changed
4.	15BEEE504	Microprocessor and Microcontroller	Unit V changed
5.	15BECC104	Engineering Chemistry	Unit III and V changed
6.	15BECC202	Engg. Mathematics-II	Unit I and II changed
7.	15BEEE403	Control Systems Engg.	Unit I, III and IV changed
8.	15BECC203	Material Science	All 5 units changed
9.	15BEEE303	Electromagnetic Theory	Unit II to V
10.	15BECC204	Environmental Sciences	Unit II and V
11.	15BEEE402	Transmission and Distribution Systems	Unit I and II
12.	15BEEE404	Digital Logic Circuits	Unit VI and V
13.	15BEEE405	Measurements & Instrumentation	Unit I and V
14.	15BEEE501	Power Electronics	Unit VI and V
15.	15BEEE502	Power System Analysis	Unit I and V
16.	15BEEE503	Linear Integrated Circuits	Unit II and VI
17.	15BEEE512	Analog and Digital Lab	All Experiments
18.	15BEEE601	Solid State Drives	Unit II and V
19.	15BEEE602	Power System Operation and Control	Unit II and VI
20.	15BEEE703	Design of Electrical Machines	Unit II and VI
21.	15BEEE603	Energy Management, Utilization and Auditing	Unit All units
22.	15BECC102	Engg. Mathematics - I	Unit II-V
23.	15BEEE112	Computer Practice and Programming Laboratory	3 Experiments
24.	15BEEE451	Technical Seminar/English Communication Skill	Unit VI and V

25.	15BEEE105	Computer Fundamentals and C Programming	All units
26.	15BEEE304	Electronic Devices and Circuits	Unit II-V
27.	15BEEE712	Electrical Estimation and Rewinding Lab	All Experiments

Agenda: 2

To consider and approve the Regulations and Syllabus for Ph.D programme in Electrical and Electronics Engineering

Resolution: 2

Resolved to approve the Regulations and Syllabus for Ph.D programme in Electrical and Electronics Engineering and it comes into effect from 2015-16 (Approved Regulations and Syllabus given in Annexure).There is no syllabus changes.

The UG programme B.E. Electrical and Electronic Engineering Consists of 71 courses out of which 22 courses come under the category of Science and Humanities, Management and Allied Engineering courses . There is a syllabus change in 47 course and hence total change = 66.19%

The Ph.d programme consists of 11 courses out of which 01 courses come under the MBA department courses . The total percentage changes is 45 %.

The meeting came to an end with a vote of thanks by the Chair.

Chairperson
Head of the Department
Department of EEE
Faculty of Engineering
Karpagam Academy of Higher Education
Coimbatore – 641 021, Tamil Nadu, India.

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