

**MINUTES OF 3rd MEETING
OF
BOARD OF STUDIES (BOS)**

**DEPARTMENT OF ELECTRICAL
ENGINEERING
(INSTITUTE OF ENGINEERING &
TECHNOLOGY)**



MAY 22ND, 2017

Department of Electrical Engineering
(Institute of Engineering and Technology)
Minutes of the 3rd Board of Studies held on May 22nd, 2017

A meeting of Board of studies of Electrical Engineering Department was held on May 22, 2017 at 11:00 A. M. in the Department library AB-II, GLA University Mathura. The following BoS members were present:

Members Present:

- | | |
|----------------------------|---|
| 1. Prof. V. PremPyara | External Expert, Emeritus professor DEI Agra. |
| U.P. | |
| 2. Mr. AashishBansal | Sr. Manager (Electrical) PL Engineering Ltd. |
| | Guru gram Haryana |
| 3. Prof. Anwaruddin Anwar | Member |
| 4. Prof. ShamshuddinAhamad | Member |
| 5. Dr. Sanjay Maurya | Chairperson & In-charge EED |
| 6. Mr. AbhayChaturvedi | Co-opted member from other department |
| 7. Mr. Subhash Chandra | Member |
| 8. Mr. ApooVaSaxena | Member |
| 9. Dr. AnuragChauhan | Member |
| 10. Mr. RavishankarTiwari | Member & Secretary BoS EED |

The chairman Board of studies welcomes all the members and started proceeding of third meeting of BoS in accordance with the agenda note circulated earlier.

Minutes of the meeting:

Item No. 3.01. To confirm the minutes of 2nd BoS, held on May 21st, 2016

Item No. 3.02. To consider and approve the syllabus of new courses introduced in the existing programme of B. Tech. EE and EN, w.e.f. 2017 as per CBSC system.

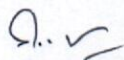
(Annexure I)

Based on the feedback of various stakeholders (Faculty, Alumni, Corporate and students) department presented details of new courses to be introduced. After thorough discussion Board approved the same.

Item No. 3.03. To discuss and approve the revised structure and syllabi of M. Tech Energy system.

(Annexure II)

The following suggestions and comments made by the experts for implementation.



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- Include the content on **hydrogen based energy generation, tidal based generation** etc. and also increase the focus on the different types of energy storage systems such as **chemical, electrical, thermal** should be increased and can accommodated in the subjects such as “**Renewable Energy Sources**” and others.
- Some topics of the subjects “**Sustainable buildings**” are related to the architecture which is required to be adjusted.
- The subject “**Energy modeling and project management**” present as elective-III in the structure, should be a compulsory subject.
- Include ultra-capacitors, **environmental aspects of batteries & batteries** sizing in the elective subject “**Batteries & fuel cells**”.

The syllabus of some suggested elective subjects & syllabus of some left elective subjects will be presented in the next BoS for the approval.

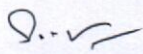
Item No. 3.04. To discuss and approve the courses prepared for B.Tech EE & EN final year. (Available in Annexure III)

The BoS members have discuss the courses in details and suggested the following points.

- Increase the focus on numeric relays, digital relays and static relays in the subjects of “Switch gear & Protection” and “Power System Analysis & Protection”.
- Topic on **GIS & outdoor switch yard** can be include on in EEE 7002 Switch gear & Protection or power System-I or in any other subject of power system group to increase the focus on GIS & outdoor switch yard.
- Include some experiments on load flow and relay coordination in the ETAP in the “EEE 7082 Switchgear & Protection Lab”.
- The expert from Industry & our alumni Mr. Ashish Bansal suggested to include the topics on DCS (Distributed control system) i.e. SCADA & PLC with industrial point of view.
- Topics on “**Introduction to Micro motors**” should be included in the subject of “**Special Electric Machines**”.
- Eliminate the duplicity of topics such as Z- transform etc. from subject **Digital Control System** by comparing them from Basic System Analysis etc.
- Include some experiments of ETAP in the “EEE Electric drive lab”

Item No. 3.05. To discuss and approve the revised courses of B. Tech EE/EN program on the basis of feedback received from various stakeholders (Faculty, Students, Alumni and Employer).

| Programme | No. of courses under consideration for revision | Name of course under consideration for revision |
|--|---|--|
| B. Tech. Electrical Engineering/ B.Tech. Electrical & Electronics Engineering | 03 | <ul style="list-style-type: none"> Digital Electronics Electrical circuit theory Analog Electronics |


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The members have thoroughly discussed & approved the revision with minor suggestions as follows.

(Annexure IV)

- a. The members suggested to add the contents related to the GATE Level minimization, parity check, and various types of memories in detail in the syllabus of "**Digital Electronics**".
- b. In the syllabus of "**Electrical circuit theory**" some addition of topics such as Transient analysis, advantage of 3 phase over single phase, compensation theorem and Isomorphism are required. It is required to mention the "Basics of 3 phase supply" in place of generation of three phase supply. The name of book "Introduction to modern network synthesis" should be replaced by another book "Network Analysis" by M E VanValkenburg. Add "William H. Hayt & Jack E. Kemmerly Engineering Circuit Analysis" McGraw-Hill Book Company Inc. 1971 in the reference books.
- c. The revised syllabus of "**Analog Electronics**" has been thoroughly discussed and approved.

Item No. 3.06. The BoS suggested and approved the skill development, Entrepreneurship/ Employability courses in UG and PG programs.

(Annexure V)

- a. The members consider and approve the same
- b. The details are attached in the Annexure V

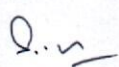
Item No. 3.07. Based on the feedback of various stakeholders (Faculty, Alumni, Corporate and students) department presented details of new courses to be introduced as per CBCS system. After thorough discussion Board approved the same.

(Annexure

VI)

| Programme | No. of courses under consideration for revision | Name of course under consideration for revision |
|--|---|---|
| B. Tech. Electrical Engineering/ B.Tech. Electrical & Electronics Engineering | 02 | <ul style="list-style-type: none">• Basic Electrical Engineering• Electrical Engineering Lab |

The meeting ends with the vote of thanks to the chair.


Dr. Sanjay Kumar Maurya
(Incharge EED)

Head of Department
Electrical Engg.

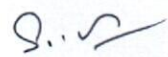
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Copy to: Chairman Academic council

Director IET, GLA University, Mathura
Registrar
All the members of the BoS

ANNEXURE VI

List of New Courses Introduced During the Session 2017-18

| S. No. | Name of the Programme | No. of New Courses Introduced | Title of New Courses Introduced |
|--------|---|-------------------------------|---------------------------------|
| 1. | B. Tech. Electrical Engineering/ Electrical & Electronics Engineering | 2 | Basic Electrical Engineering |
| 2. | | | Electrical Engineering Lab |


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