

**MINUTES OF 5TH MEETING
OF
BOARD OF STUDIES (BOS)**

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



SEPTEMBER 14, 2019



**Department of Electrical Engineering
(Institute of Engineering and Technology)**

Minutes of the 5th meeting of Board of Studies(BOS) of the Department of Electrical Engineering held on September 14, 2019 at 11.0 am in the Department Library Room No. 4001, AB-II

The 5th meeting of Board of Studies (BoS) (Internal/External Members) of Department of Electrical Engineering was convened on September 14, 2019 at 11.0 am in Department library Room No. 4001, Academic Block – II to discuss various agenda items.

The following were present in the meeting:

1. Prof. V. Prem Pyara (External Expert from Academics)
Emeritus professor Electrical Engineering Department
Dayalbag Educational Institute Agra.U.P.
2. Prof. Asheesh Kumar Singh (External Expert from Academics)
Head EE Dept. MNNIT Allahabad, Prayagraj U.P.
3. Mr. Amol Prasher (External Expert from Industry)
CA Manager Woodward Inc., Gurugram

Regular Faculty of the Electrical Engineering Department -

4. Dr. Sanjay Maurya
Associate Professor Department of Electrical Engineering
IET GLAU Mathura
5. Dr. Subhash Chandra
Assistant Professor EE Department IET GLAU Mathura
6. Dr. Nibedita Das
Assistant Professor EE Department IET GLAU Mathura
7. Dr. Abhilash Gupta
Assistant Professor EE Department IET GLAU Mathura
8. Mr. Ravishankar Tiwari

Secretary BoS EED

Assistant Professor EE Department IET GLAU Mathura

9. Mr. Arvind Yadav

Assistant Professor EE Department IET GLAU Mathura

10. Mr. Ram Naresh Mishra

Assistant Professor EE Department IET GLAU Mathura

11. Ms. Akanksha Shukla

Assistant Professor EE Department IET GLAU Mathura

The following members could not attend the meeting because of their preoccupations

12. Mr. Aashish Bansal

(Alumni)

DGM (Electrical) Dangote Industries Ltd

13. Mr. Shyam Sundar Goyal

(Alumni)

14. Deputy Manager CTU Planning PGCIL New Delhi
Gurgaon, India

15. Mr. Vineet Gupta

(External Expert from Industry)

General Manager Operations; Windmoller & Holscher India Pvt. Ltd. New Delhi

16. Prof. V. K. Deolia Professor & Head
EC Dept. GLA University, Mathura

(Co-opted Member)



Prof. R P Maheshwari

Head of Dept. EE GLA University Mathura

(In Chair)

In the beginning of the meeting the Chairman of the BoS welcomed all the members and briefed them about the progress of the Department of Electrical Engineering. The BoS members expressed their high appreciation and satisfaction about the courses and activities of the Department.

The following are the proceedings of the meeting –

ITEM No. 5.01. To confirm the minutes of 4th BoS was held on July, July 15, 2018.

ITEM No. 5.02. To discuss & approve the revised syllabi of B. Tech. EE/EN courses program on the basis of feedback received from various stakeholder (Faculty, Students, Alumni and Employer).
(Annexure I)

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, • High Voltage Engineering

The BoS members thoroughly discussed the contents of the above courses thoroughly and approve the revision with minor suggestions implemented.

ITEM No. 5.03. To discuss & approve the revised syllabi of M. Tech. EE program on the basis of feedback received from various stakeholders (Faculty, Students, Alumni and Employer).

(Annexure II)

Programme	No. of courses under consideration for revision	Name of course under consideration for revision
M. Tech. Electrical Engineering	02	<ul style="list-style-type: none"> • Power System Dynamics & Control • Optimization Techniques

- The BoS discussed the item and approved the revised syllabus of M.Tech. 1st Year courses modified in two modules and it has reported that there is nearly 20 % change in the syllabus of “**Power System Dynamics**” included the control parts so suggested to rename it as “Power System Dynamics & Control” (Renamed).
- Discussed and approved the revised syllabus of “**Optimization Techniques**” with revision nearly 20 % change.

ITEM No. 5.04. To discuss & approve the syllabi of new course introduced (program elective courses) as CBCS system for M. Tech. EE. & PhD program

(Annexure III)

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 as per CBCS scheme. Detailed syllabi are available in Annexure III.

ITEM No. 5.05. To discuss & approve the syllabus of professional elective (PE) subjects for normal and advance learners students. The list of professional elective subjects is as follows – (Introduced new courses were discussed thoroughly and passed)

(Annexure IV)

- Sensors and Transducers
- Introduction to Renewable Energy Technologies
- Illumination Science & Engineering
- Power Generation & Systems Planning
- Medical Image Processing
- Solar Energy Systems

For Advance learner

- i. Power system Instrumentation
- j. PLC & SCADA
- k. Design & Installation of solar PV system
- l. Electric Vehicles

The points discussed under this item are as follows:

- a. The BoS discussed the item and approved the syllabus with suggestion for including latest text books and reference books in the above mentioned subjects.
- b. Members suggested to modify the sub-titles of "Illumination Engineering & Science" subject as per electrical engineering (topics are more oriented toward physics) and also include topics related to energy efficiency if the goal of teaching the subject is for concern with energy saving and awareness in industries.
- c. BoS member Prof. Asheesh Kumar Singh suggested to include PMU in subject "Power system Instrumentation"
- d. Prof. V Prem Pyara suggested that there is duplicity of few topics in 'PLC & SCADA' subjects from Digital Electronics so better to use Review word before these topics.
- e. Suggested to include MEMS or Modern/smart intelligent sensors in the 3rd module of subject "Sensors & Transducers.
- f. Members suggested for including "Inter device communication" as subtopic in any subjects on the suitable bouquet.
- g. BoS suggested to make DSP as prerequisite for Medical Image Processing

ITEM NO. 5.06. To discuss and approve the syllabi of Electrical Machine – II, Special Electrical Machines, Elements of Power System and Power System Analysis, with minor revision of 5 % and less. The BoS discussed the item and approved the syllabi.

ITEM NO. 5.07. To report that the prerequisites from program core subjects have been dropped out.

It has been decided that the prerequisites are not required in the program core courses, so have been removed from the list of respective courses. The BOS thoroughly discuss and approve the same.

ITEM NO. 5.08. To consider and approve courses recommended by Training & Development Department.

Training & Development Department of the University recommended to get the syllabi of few courses approved in the Board of Studies Meeting of the department. Same was presented in front of the board. After due discussions, the board approved the same whose details are as follows:

Year & Semester	Code & Title of the Course
III Year, V Sem	BTDH 0303, Soft Skills - III
III Year, VISEm	BTDH 0304, Soft Skills - IV

ITEM NO. 5.09. The BoS suggested and approved the skill development, Entrepreneurship/Employability courses in UG and PG programs. (Annexure V)

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

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



Prof. R P Maheshwari

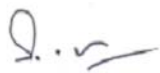
HoD Electrical Engineering Department

Copy to: Chairman Academic council
Director IET, GLA University, Mathura
Registrar
All the members of the BOS

ANNEXURE III

List of New Courses Introduced During the Session 2019-20

S. No.	Name of the Programme	No. of New Courses Introduced	Title of New Courses Introduced
1.	M.Tech. Electrical Engineering	15	Seminar
2.			Advance Protective Relaying
3.			Dissertation-I
4.			Dissertation-II
5.			Introduction To Hybrid & Electric Vehicles
6.			High performance AC Drives
7.			Renewable & Distributed generation systems
8.			Industrial drives & Automation
9.			Smart grid and phasor Measurement Techniques
10.			EHV/UHV power transmission engineering
11.			Power System Restructuring & Deregulation
12.			Power system Planning & Reliability
13.			Industrial drives & Automation
14.			EHV/UHV power transmission engineering
15.			Power system Planning & Reliability
16.	Ph D Electrical Engineering	4	Advanced Power Electronics
17.			Renewable & Distributed Generation Systems
18.			Computer Aided Power System Analysis
19.			Optimization Techniques

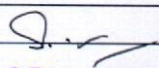


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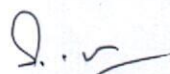
ANNEXURE IV

List of New Courses Introduced During the Session 2019-20

S. No.	Name of the Programme	No. of New Courses Introduced	Title of New Courses Introduced
1.	B.Tech. Electrical Engineering	53	Elements Of Power System
2.			Power System Analysis
3.			Power Electronics
4.			Microprocessor & Its Applications
5.			Power System Lab
6.			Power Electronics Lab
7.			Microprocessor Lab
8.			Non-Conventional Energy Resources
9.			Introduction to Renewable Energy Technologies
10.			Design & Installation of Solar PV System
11.			Solar Energy Systems
12.			Solar Energy Systems Lab
13.			Design & Installation of Solar PV System Lab
14.			Design & Installation of Solar PV System Project
15.			Electrical Engineering Materials
16.			Electric Drives
17.			Special electric Machines
18.			Electric Vehicles
19.			utilization of electric power & traction
20.			Electric Drives Lab
21.			Computer Aided Electric Machine Design Lab
22.			Electric Vehicles Project
23.			Sensors & Transducers
24.			Illumination Science & Engineering
25.			PLC & SCADA
26.			Advance Control System
27.			Process Control & Advanced Instrumentation
28.			Digital Control System
29.			Process Control & Advanced Instrumentation Lab
30.			PLC& SCADA Lab
31.			PLC & SCADA Project
32.			Electrical Power Generation
33.			Switch Gear & Protection
34.			Intelligent Techniques In Electrical Engineering
35.			Computer Methods in Power Systems
36.			High Voltage Engineering
37.			Power System Operation & Control
38.			Smart Grid
39.			Power System Dynamics & Stability
40.			Switch Gear & Protection Lab
41.			Intelligent Techniques In Electrical Engineering Lab
42.			Computer Methods in Power Systems Lab
43.			Digital Signal Processing
44.			Biomedical Signal Processing


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45.			Soft Skills-III
46.			Soft Skills-IV
47.			Computer Aided Electric Machine Design
48.			Leadership & organizational Behavior (MNG)
49.			Introduction to Cyber Security (MNG)
50.			Analog & Digital Communication
51.			Medical Image Processing
52.			Medical Image Processing Lab
53.			Industrial Management
54.			Seminar
55.			Advance Protective Relaying
56.			Dissertation-I
57.			Dissertation-II
58.			Introduction To Hybrid & Electric Vehicles
59.			High performance AC Drives
60.			Renewable & Distributed generation systems
61.	M.Tech. Electrical Engineering	15	Industrial drives & Automation
62.			Smart grid and phasor Measurement Techniques
63.			EHV/UHV power transmission engineering
64.			Power System Restructuring & Deregulation
65.			Power system Planning & Reliability
66.			Industrial drives & Automation
67.			EHV/UHV power transmission engineering
68.			Power system Planning & Reliability
69.			Advanced Power Electronics
70.	Ph D Electrical Engineering	4	Renewable & Distributed Generation Systems
71.			Computer Aided Power System Analysis
72.			Optimization Techniques



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