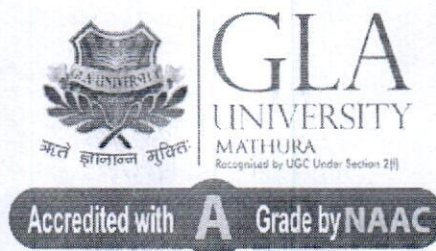


**MINUTES OF 6TH MEETING
OF
BOARD OF STUDIES (BOS)**

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



JULY 14, 2020



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

Minutes of the 6th meeting of Board of Studies (BOS) of the Department of Electrical Engineering held on June 14, 2020 at 11.0 am, through zoom online platform due to COVID-19 pandemic and GOI guidelines for social distancing

The 6th meeting of Board of Studies (BoS) (Internal/External Members) of Department of Electrical Engineering was convened on June 14, 2020 at 11.0 am, through Zoom due to COVID-19 Outbreak and GOI guidelines of social distancing.

The following were present in the meeting:

Regular Faculty of the Electrical Engineering Department -

1. Prof. Shamsuddin Ahmad,
Professor, EE Department IET GLAU Mathura
2. Prof. Anwaruddin Anwar,
Professor, EE Department IET GLAU Mathura
3. Prof. V. K. Deolia Professor & Head
EC Dept. GLA University, Mathura
4. Dr. Subhash Chandra
Assistant Professor EE Department IET GLAU Mathura
5. Dr. Nibedita Das
Assistant Professor EE Department IET GLAU Mathura
6. Dr. Abhilash Gupta
Assistant Professor EE Department IET GLAU Mathura
7. Mr. Ravishankar Tiwari
Secretary BoS EED
Assistant Professor EE Department IET GLAU Mathura
8. Mr. Arvind Yadav
Assistant Professor EE Department IET GLAU Mathura
9. Mr. Sachin Goyal
Assistant Professor EE Department IET GLAU Mathura
10. Mr. Ram Naresh Mishra
Assistant Professor EE Department IET GLAU Mathura
11. Mr. Mayank Goyal
Assistant Professor EE Department IET GLAU Mathura
12. Dr. Akanksha Shukla
Assistant Professor EE Department IET GLAU Mathura
13. Dr. Sanjay Maurya
Head of Dept. EE GLA University Mathura

(Co-opted Member)

(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 –

Agenda Item - 6.1. To confirm the minutes of the 5th BoS meeting

The minutes of the 5th BoS held on September 14th, 2019 were implemented.

Agenda Item - 6.2. To consider approve the revised syllabus of B. Tech. EE/EN course on the basis of feedback received from various stakeholders (Faculty, Students, Alumni and Employer).

The revised courses and restructured syllabus has been discussed. Members accepted the need of revision and approved with minor changes. (Annexure A)

Programme	No. of courses under consideration for revision	Name of course under consideration for revision
B. Tech. Electrical Engineering/ B. Tech. Electrical & Electronics Engineering	01	<ul style="list-style-type: none"> Utilization of Electric power & traction

The revised and restructured syllabus has been discussed and approved with minor suggestions.

Agenda Item - 6.3. To discuss and approve the revised syllabus of M. Tech. EE course on the basis of feedback received from various stakeholders (Faculty, Students, Alumni and Employer).

The proposed revised syllabus of "Power Electronic Devices and Converters" have been discussed and recommended by the members of BoS with minor changes. (Annexure B)

Programme	No. of courses under consideration for revision	Name of course under consideration for revision
M. Tech. Electrical Engineering	01	<ul style="list-style-type: none"> Power Electronic Devices and Converters

The revised and restructured syllabus has been discussed and approved with minor suggestions.

Agenda Item - 6.4. To discuss and approve the introduced syllabi program electives (PE) offered by the department for B. Tech. EE under Choice Based Credit system.

The following are the list of program elective subjects for final year Undergraduate course in the department of EE. (Annexure C)

Offered at the stage of 7th semester

S. No.	Subject	Changes
1.	Computer Methods In Power Systems	New inclusion
2.	Intelligent Techniques In Electrical Engineering	New inclusion
3.	Special Electrical Machines	No change in content only the subject code revised
4.	Design & Installation of Solar PV System	New inclusion
5.	Digital Signal Processing	No change in content only the subject code

		revised
6.	Switchgear & Protection Lab	Experiments based on fault analysis and protection are included
7.	Computer Methods in Power Systems Lab	New inclusion lab based on subject BEEE0037
8.	Intelligent Techniques In Electrical Engineering Lab	New inclusion lab based on subject BEEE0036
9.	Design & Installation of Solar PV System Lab	New inclusion lab based on subject (BEEE0099)
10.	Design & Installation of Solar PV System Project	New inclusion of project J component for advance learner students lab based on subject include (BEEE0099)

Offered at the stage of 8th semester

S. No.	Subject	Changes
1.	High Voltage Engineering	Content of the syllabus are same as previously approved in BoS and the subject code have change as per CBCS scheme
2.	Smart Grid	
3.	Power System Operation & Control	
4.	Power System Dynamics & Stability	
5.	Process Control & Advanced Instrumentation	
6.	Digital Control System	
7.	Optimal Control System	
8.	Biomedical Signal Processing	
9.	Analog & Digital Communication	
10.	Process Control & Advanced Instrumentation Lab	

The experts and members of BoS critically observed and approved the syllabi of different program elective under CBCS system.

Agenda Item - 6.5. To Consider and Approve introduction of New Courses in the existing programmes of B. Tech. Electrical & Electronics Engineering (EN) and program elective bouquet for the same.

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. The BoS observed the structure of undergraduate course EE & EN and agreed to keep 15-20 % variation in the program core courses of EN compared to EE. In regards to this following are the new inclusions of subject in the list of program core.

(Annexure D)

- Signals & Systems
- Power System Analysis & Protection
- Power System Transmission & Distribution
- Power systems & Protection lab

The members suggested the offering four bouquets of program electives mentioned as follows. The detailed list is attached in Annexure D –

- Electronics & Embedded system
- Power system, Machine & Drives

- Control & Instrumentation
- Energy systems

Agenda Item - 6.6. To consider and approve modification in one course and to introduce one new course in Ph.D. Programme, as recommended by the Research Cell of the University.

Programme	No. of courses under consideration for revision	Name of course under consideration for revision
Ph.D. Electrical Engineering	01	<ul style="list-style-type: none"> • Research Methodology

Research Cell of the University recommended modification in the Syllabus of "Research Methodology" Course as well as recommended to introduce "Research and Publication Ethics" course in PhD Programme from the Session 2020-21. Syllabi of both the courses were duly considered by the board and subsequently approved.

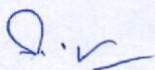
Agenda Item - 6.7. To consider and recommend the list of experiment performed using virtual lab for B. Tech EE & EN program due to impact of COVID-19 pandemic. (Annexure E)

The experts and members of BoS have agreed and appreciated the step to include and perform the experiments using virtual lab. The platform is provided by Ministry of Human Resource Development Under National Mission on Education through ICT. The experiment will be performed in the odd semester 2020-21, for EE & EN undergraduate program, enclosed in Annexure E.

Agenda Item - 6.8. The BoS suggested and approved the skill development, Entrepreneurship/Employability courses in UG and PG programs. (Annexure F)

- The members consider and approve the same
- The details are attached in Annexure F.

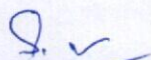
The meeting ends with the vote of thanks to the chair.



Dr. Sanjay Maurya

HoD Electrical Engineering Department

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

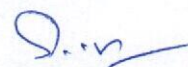


Head of Department
Electrical Engg.
GLA University, Mathura

ANNEXURE D

List of New Courses Introduced During the Session 2020-21

S. No.	Name of the Programme	No. of New Courses Introduced	Title of New Courses Introduced
1.	B. Tech. Electrical & Electronics Engineering	4	Signals & Systems
2.			Power System Analysis & Protection
3.			Power System Transmission & Distribution
4.			Power systems & Protection lab
5.	PhD Electrical Engineering	1	Research and Publication Ethics



Head of Department
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