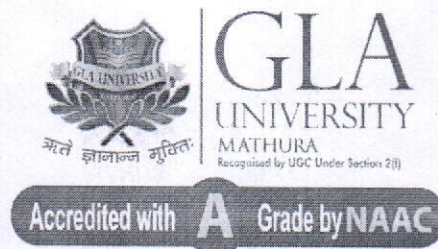


**MINUTES OF 4TH MEETING
OF
BOARD OF STUDIES (BOS)**

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



JULY 15, 2018



Department of Electrical Engineering
(Institute of Engineering and Technology)

Proceedings of the 4th meeting of Board of Studies (BOS) of the Department of Electrical Engineering held on July 15, 2018 at 11.0 am in the Department Library Room No. 4001AB-

II

The 4th meeting of Board of Studies (BOS) (Internal/External Members) of Department of Electrical Engineering was convened on July 15, 2018 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:

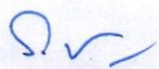
1. Dr. Sanjay Mayura (Chairman)
Associate Professor & Head In Charge Department of Electrical Engineering
IET GLAU Mathura

External Expert Members -

2. Prof. V. Prem Pyara
Emeritus professor Electrical Engineering Department
Dayalbag Educational Institute Agra.U.P.
3. Prof. R. P. Maheshwari
Professor Electrical Engineering Dept. IIT Roorkee
Presently on Deputation as -
Director RKGIT Ghaziabad U.P.
4. Mr. Aashish Bansal
DGM (Electrical) Dangote Industries Ltd
Gurgaon, India

Regular Faculty of the Department of EE

5. Dr. Anwaruddin Anwar
Professor
Department of Electrical Engineering IET GLAU Mathura
6. Prof. Shamshuddin Ahamad
Professor


Head of Department
Electrical Engg.
GLA University, Mathura


Department of Electrical Engineering IET GLAU Mathura

7. Mr. Subhash Chandra
Assistant Professor EE Department IET GLAU Mathura
8. Mr. Apoova Saxena
Assistant Professor EE Department IET GLAU Mathura
9. Mr. Shakti Singh Soni
Assistant Professor EE Department IET GLAU Mathura
10. Mr. Ravishankar Tiwari
Secretary BoS EED
Assistant Professor EE Department IET GLAU Mathura
11. Mr. Ram Naresh Mishra
Assistant Professor EE Department IET GLAU Mathura
12. Mr. Vinay Dwivedi
Assistant Professor EE Department IET GLAU Mathura
13. Mr. Prashant Prakash
Assistant Professor EE Department IET GLAU Mathura

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

1. Sanjoy Barua
Vice President - Product Management and Customer Experience
Simpa Networks (Simpa Energy India)
Gurgaon, India
2. Himanshu Katiyar
Assistant Director at
Central Electricity Authority, Ministry of Power
3. Mr. Abhay Chaturvedi (Co-opted member from other department)
Associate Professor Dept. of Electronics & Communication Engineering IET GLAU
Mathura

The chairman extended warm welcome to all the members present & apprised them about the proposal to start Choice Based Credit System (CBCS) in Electrical Engineering w.e.f. 2017.


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The following are the proceedings of the meeting –

ITEM NO. 4.1. To confirm the minutes of 3rd BoS, held on May 22, 2017.

ITEM NO. 4.2. To discuss and approve the course structure & credit under CBCS scheme of 1st year & 2nd year B. Tech. EE/EN program w.e.f. 2018. (Annexure I)

The course approved for B. Tech. 1st year students is common course with 6 more credits included for students in 1st year of EE Branch w.e.f. session 2018 (Available at Annexure A1). The 1st year course for batch 2017 was common and already approved and studied by students who are entering into IInd year in 2018. The List of program core (PC) course for session 2017 & 2018 will be similar and approved since these choice based courses will be offered from 2nd year onward.

ITEM NO. 4.3. To consider and approve the syllabi of new courses introduced (programme core courses) in the existing programme of B. Tech. EE and EN, w.e.f. 2018., M.Tech & PhD EE.

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. (Annexure II)


ITEM NO. 4.4. To discuss and approve the list of proposed professional elective courses provided for B. Tech EE/EN programs. (Annexure III)

Members pointed out the following comments on the courses of Professional Electives which will be kept in mind at the time of finalizing the same-

- a. The prerequisite mentioned in the subject of in all the five bouquet of Power System Group, Instrumentation & Control Group, Machine & Drives Group, Energy System, Electronics & Embedded System Group should be reduced.
- b. The course CAPSA(BEEE0036) should require prerequisite as Power System, Power Electronics & The course on FACTS & HVDC should have prerequisite PSA & PE.
- c. No prerequisite is required in Instrumentation and Control (I&C) bouquet.
- d. The new course Mechatronics & Smart Instrumentation has suggested being included in the elective list of I&C.
- e. Suggested to Include Intellectual Property Right (IPR) as an open elective for EE students offered by MBA or LAW Department.
- f. Computer Aided Electric Machine Design should require L-T-P:3-1-0 instead of lab in CAEMD. So lab will be removed and tutorial will be added in it.

ITEM No. 4.5. To consider and approve the syllabi of new courses introduced for existing M. Tech. programme (Programme core courses) as per CBCS scheme.

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. (Annexure IV)


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ITEM NO. 4.6. The external experts offer the following comments -

- a. We should see the practical approach apart from theoretical approach.
- b. We should have a proper & well define mechanism for evaluation of Project Work since the credits of project is very high
- c. The students must have knowledge of DSP & Artificial intelligence so may be included a subject on "Smart Instrumentation" which should include AI.
- d. Attendance for B.Tech & M.Tech. Project Work should be compulsory.

ITEM No. 4.7. To consider and approve courses recommended by Training & Development Department.

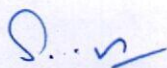
Training & Development Department of the University recommended to get the syllabi of few courses approved in the Board of Studies Meeting of the department. Same was presented in front of the board. After due discussions, the board approved the same whose details are as follows:

Year & Semester	Code & Title of the Course
II Year, III Sem	BTDH 0301: Soft Skills - I
II Year, IV Sem	BTDH 0302: Soft Skills - II

ITEM No. 4.8. The BoS suggested and approved the skill development, Entrepreneurship/ Employability courses in UG and PG programs. (Annexure V)

- i. The members consider and approve the same
- ii. The details are attached in the Annexure V

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



Dr. Sanjay Kumar Maurya
(Incharge EED)

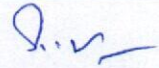
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Copy to: Chairman Academic council
Director IET, GLA University, Mathura
Registrar
All the members of the BOS

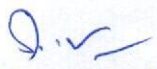
ANNEXURE II

List of New Courses Introduced During the Session 2018-19

S. No.	Name of the Programme	No. of New Courses Introduced	Title of New Courses Introduced
1.	B.Tech. Electrical Engineering	27	Basic Mechanical Engineering
2.			Engineering Drawing
3.			Electrical Simulation Lab
4.			English Language Lab I
5.			Computer Programming
6.			Electronics Engineering
7.			Electrical Technology
8.			Electrical technology Lab
9.			Electronics Lab – I
10.			Computer programming lab
11.			Engineering Mathematics – I
12.			English Language Skills For Communication I
13.			Engineering Physics
14.			Engineering Physics Lab
15.			Engineering Mathematics – II
16.			English Language Skills For Communication – II
17.			Engineering Chemistry
18.			English Language Lab – II
19.			Engineering Chemistry Lab
20.			English For Professional Purposes - I
21.			Engineering Mathematics – III
22.			Soft Skills-I
23.			Basic Course in Entrepreneurship
24.			English For Professional Purposes – II
25.			Soft Skills-II
26.			Environmental Studies
27.			Ethics and values
28.	B.Tech. Electrical Engineering	17	Field Theory & Applications
29.			Basic System Analysis
30.			Engineering Circuit Analysis & Synthesis
31.			Electrical Measurement & Measuring Instruments
32.			Analog Integrated Circuit
33.			Digital Electronics & Circuits
34.			Electrical Machines – I
35.			Electrical Machines – II
36.			Control System
37.			Network Lab
38.			Electrical Measurement Lab
39.			Analog & Digital Electronics Lab
40.			Electrical Machines Lab – I
41.			Electrical Machines Lab – II
42.			Control System Lab


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43.			Electrical Machine & Automatic Control
44.			Electrical Machines & Automatic Control Lab
45.	M.Tech. Electrical Engineering	18	Computer Aided Power system analysis
46.			Power system Dynamics & Control
47.			Advanced Electric Drives
48.			Power Electronic Devices & Converters
49.			Optimization Techniques
50.			Advanced Simulation Lab.
51.			Analog & digital control system
52.			Advanced Power System Operation & Control
53.			Microcontroller and Application
54.			Minor Project
55.			HVDC Transmission & Flexible AC transmission systems
56.			Solid State Control of Electric Drives
57.			Power electronic circuit modeling & Simulation
58.			Electrical Insulation in Power apparatus & systems
59.			Power system Transients
60.			Advanced Protective Relaying
61.			Advanced Power Electronics
62.			Power quality and conditioning
63.	PhD Electrical Engineering	3	Power System Dynamics
64.			Optimization Techniques
65.			Research Methodology


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