

GLAU/ME/BOS/13/2018-19

**Institute of Engineering & Technology
Department of Mechanical Engineering**

April.30, 2019

All members of the Board of Studies of Mechanical Engineering Department

Agenda for the 13th meeting of the Board of Studies

The 13th meeting of the Board of Studies of Mechanical Engineering Department will be held at 12:00 noon on May11, 2019 in the Seminar Hall(202) of Mechanical Engineering Department.

The agenda of the meeting will be as follows:

Item No. 13.1: To confirm the minutes of 12th Board of Studies meeting.

Item No. 13.2: To consider and recommend to approve the Course Structure of B.Tech. in Mechatronics & Automobile Engineering.

Item No. 13.3: To consider and recommend to approve the programme electives offered by Mechanical Engineering department for the B.Tech. Mechanical Engineering (Syllabus & Course Structure) under CBCS System.

Item No. 13.4: To consider and recommend to introduce the new courses in the existing Programmes.

Item No. 13.5: To consider and recommend the courses having focus on employability/ entrepreneurship/ skill Development.

Item No. 13.6: To consider and recommend the restructuring and updation of contents of following B.Tech and M.Tech programs:

S.N.	Programme	Number of courses under consideration for revision	Name of the courses under consideration for revision
1	B.Tech. Mechanical Engineering	3	(1) Modern Vehicle Technology (2) Kinematics of Machines (3) Solar Energy,

Item No. 13.7: To consider and approve courses recommended by Training & Development Department.

Item No. 13.8: Any other item with the permission of chair.

(Prof. Piyush Singhal)

**Head, Dept. of Mech. Engg. &
Chairperson, BoS**

PROF. PIYUSH SINGHAL
Head, Dept. of Mech. Engg
GLA University, Mathura

CC to:

PS to Hon'ble Vice-Chancellor for kind information of Hon'ble Vice-Chancellor

PS to Pro-Vice-Chancellor for kind information of Pro-Vice-Chancellor

All Concern Directors for kind information

All Concern Members for kind information & necessary action

**MINUTES OF
13TH MEETING
OF
BOARD OF STUDIES (BOS)**

**DEPARTMENT OF
MECHANICAL
ENGINEERING**



GLA
UNIVERSITY
MATHURA
Recognised by UGC Under Section 2(f)

Accredited with



Grade by NAAC

MAY11, 2019

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Minutes of 13th meeting of Board of Studies
Department of Mechanical Engineering

Date: 14.05.2019

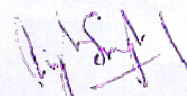
GLAU/ME/BOS_MoM/13/2018-19

The 13th meeting of the Board of Studies of Mechanical Engineering Department was held at 12:00 noon on May 11, 2019 in the Seminar Hall (202) of Mechanical Engineering Department.

Chairperson BOS, Dr. Piyush Singhal presented details of introduction of new B.Tech courses, Mechatronics and Automobile engineering along with other CBCS based programme elective for undergraduate and post graduate students. All members enthusiastically appreciated institutional acumen and keenness to cope with ever-changing scenario of industry and responsibility towards society and environment. Members discussed things with open heart and added their experience and knowledge to further enhance adaptability and impact of new courses.

Members present:

- | | |
|-----------------------------|--|
| 1. Dr. Piyush Singhal | Chairperson & Head, Mech. Engg. Dept., GLA University |
| 2. Mr. Shriram Agrawal | External Expert, Senior Manager, New Model R&D,
Honda Motors Scooters India Ltd., Gurugram, |
| 3. Dr. Debanik Roy | External Expert, Sr. Scientist, Division of Remote Handling &
Robotics, Bhabha Atomic Research Centre, Mumbai |
| 4. Mr. Vinod Atpadkar | Chief Operating Officer, SVR Infotech, Pune |
| 5. Dr. B.R.K. Gupta | Head, Dept. of Physics, GLA University, Mathura |
| 6. Dr. Vinay Kr. Deoliya | Head, Dept. of ECE, GLA University, Mathura |
| 7. Dr. Kamal Sharma | Associate Dean Research, GLA University, Mathura |
| 8. Dr. Rudra Pratap Singh | Member |
| 9. Dr. Manoj Kumar Agrawal | Member |
| 10. Dr. Vijay Kumar Dwivedi | Member |
| 11. Dr. Sujit Kumar Verma | Member |
| 12. Dr. Naveen Kumar Gupta | Member |
| 13. Dr. Pradeep Kumar Singh | Member |
| 14. Mr. Kuwar Mausam | Member |
| 15. Mr. Shashank Srivastava | Member |
| 16. Mr. Pankaj Sonia | Member |
| 17. Mr. Vikas Sharma | Member |
| 18. Mr. Gaurav Bharadwaj | Member |
| 19. Mr. Alok Soni | Member |
| 20. Mr. Aneesh Kumar | Member |
| 21. Mr. Bharat Singh | Member |
| 22. Mr. Rahul Goswami | Member |
| 23. Mr. Sanjeev Kr. Gupta | Member |
| 24. Mr. Toshit Jain | Member |
| 25. Mr. Deepak Sharma | Member |



The agenda of the meeting were discussed as follows:

Item No. 13.1: To confirm the minutes of 12th Board of Studies meeting.

Members were appraised about 12th Board of studies minutes. All members unanimously appreciated approach and initiative of the department regarding launching of new B.Tech courses Mechatronics and Automobile Engineering. (Annexure A)

Item No. 13.2: To consider and approve the Course Structure of B.Tech. in Mechatronics & Automobile Engineering.

In principle, members of BoS approved the new courses; members suggested new labs must have defined numbers of practical linked with labs those will be offered to students in new courses. (Annexure B)

- Members suggested training programme for students, industry linking for internship and short term training programme for strengthening of practical knowledge.
- New courses should be flexible enough to incorporate industry requirement
- Students should be offered to change their core mechanical to Automobile or Mechatronics branch and vice-versa after finishing common programme.

Item No. 13.3: To consider and approve the professional electives offered by Mechanical Engineering department for the B.Tech. Mechanical Engineering (Syllabus & Course Structure) under CBCS System.

In principle members unanimously agreed to run CBCS subjects along with J components of subjects. Members are highly enthusiastic about running J component subjects. These courses will be highly useful for students to get placement in specific industry particularly solar energy and Mechatronics. (Annexure C)

Item No. 13.4: To consider and recommend introduction of new courses in the existing Programmes.

Based on the feedback of various stakeholders (Faculty, Alumni, Corporate and students) the list of new courses discussed with the experts. After thorough discussion Board approved the same. (Annexure D)

Item No. 13.5: To consider and recommend the courses having focus on employability/ entrepreneurship/ skill Development.

The experts discussed and recommend the courses having focus on employability/ entrepreneurship/skill Development of the students (Annexure - E).

Item No. 13.6: To consider and recommend the restructuring and updation of contents of following B. Tech and M. Tech programs:

Based on the feedback received from students, faculty, employers & alumni the revision/ upgradation/ modification in syllabus of existing courses in various Programmes is proposed as follows.

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S.N.	Programme	Number of courses under consideration for revision	Name of the courses under consideration for revision
1	B.Tech. Mechanical Engineering	3	(1) Modern Vehicle Technology (2) Kinematics of Machines (3) Solar Energy,

Members considered and approved the same(*Annexure - F*).

Item No. 13.7: 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
III Year, V Sem	BTDH 0303, Soft Skills - III
III Year, VISEm	BTDH 0304, Soft Skills - IV

Item No. 13.8: Any other item with the permission of chair.

Overall members were highly thankful for hospitality and never-ending appetite to develop association with industries and professional bodies. The meeting ended with thanks to the chair

(Prof. Piyush Singhal)

Head, Dept. of Mech. Engg.

Prof. PIYUSH SINGHAL

Head, Dept. of Mech. Engg

Copy to GLA University Chairman, Academic Council

Director, IET, GLA University, Mathura

Registrar, GLA University, Mathura

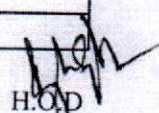
All the members of BoS

Annexure D

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List of new courses introduced

S.No.	Name of the Course
1	Internal Combustion Engine
2	Machine Design -II
3	Refrigeration and Air Conditioning
4	Machine Design - II Lab
5	Refrigeration and Air Conditioning Lab
6	Soft Skills – IV
7	Operations Research
8	Industrial Engineering
9	Manufacturing Science II
10	Machine Design-I
11	Heat & Mass Transfer
12	Manufacturing Science II Lab
13	Machine Design II Lab
14	Automobile Engineering
15	Soft Skills – III
16	Solar energy
17	solar energy lab
18	PROJECT BASED SOLAR ENERGY LAB
19	Welding Science & Technology
20	Welding Science & Technology Lab
21	Composite Materials
22	Mini Project I
23	Mini Project II
24	Industrial Training I
25	Industrial Training II
26	Advance Material Science
27	Non-Conventional Energy Resources
28	Automobile Engineering Lab
29	Energy Conservation and Management
30	Industrial Automation & Robotics
31	Supply Chain Management
32	Colloquium
33	Dissertation - I
34	Rapid prototyping and tooling
35	Design of Production Tooling
36	Reliability and maintenance
37	Advanced Machining
38	Nanotechnology and its Applications
39	Computer-Based Numerical Techniques and Soft Computing
40	Micro Manufacturing
41	Technology of Competitive Manufacturing
42	Concurrent Engineering
43	Dissertation - II


 H.O.D.
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