

GLAU/ME/BOS/2016-17

Institute of Engineering & Technology
Department of Mechanical Engineering

May 29, 2017

All members of the Board of Studies of Mechanical Engineering Department

Agenda for the 10th meeting of the Board of Studies

The 10th meeting of the Board of Studies of Mechanical Engineering Department will be held at 11:00 am on June 03, 2017 in the Conference Room of the Department of Mechanical Engineering.

The Agenda of the meeting will be as follows:

Item No.10.1: To confirm the minutes of 9th Board of Studies meeting.

Item No. 10.2: To consider and recommend the Course structure and Syllabuses of Choice Based Credit System (CBCS) System for B. Tech Program.

Item No. 10.3: To consider and recommend the courses having focus on employability/ entrepreneurship/ skill Development.

Item No. 10.4: To consider and recommend value-added courses.

Item No. 10.5: To consider and recommend restructuring and updation of contents of following Courses of 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	4	(1) Material Science, (2) Applied Thermodynamics (3) Heat & Mass Transfer, (4) Dynamics of Machine,
2	M.Tech. Mechanical Engineering (Design)	1	Simulation, Modelling and Analysis
3	M.Tech. Mechanical Engineering (Production)	1	Simulation, Modelling and Analysis

Item No. 10.6: Any other item with the permission of chair.

CC to:

The Vice-Chancellor
Director, IET
All concerned persons

(Prof. Piyyush Singhal)
**Head, Dept. of Mech. Engg. &
Chairperson, BoS**

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

**MINUTES OF 10TH MEETING
OF
BOARD OF STUDIES (BOS)

DEPARTMENT OF
MECHANICAL ENGINEERING**



GLA
UNIVERSITY
MATHURA
Established vide U.P. Act 21 of 2010.

JUNE03rd, 2017

By Sign 1

Department of Mechanical Engineering
Minutes of the 10th Meeting of Board of Studies held on June 03rd, 2017

Members Present:

1. Prof. Piyush Singhal	Chairperson & Head of the Department
2. Prof. B.R.K. Gupta	Head, Dept. of Physics, GLA University, Mathura
3. Prof. Pradeep Kumar Roorkee	External Expert, Dept. of Mech. & Ind. Engg. IIT,
4. Mr. Naved S. Talib Ltd.	Industrial Expert, Operating Head, Honda Cars India
5. Prof. P.K. Srivastava	Member
6. Prof. Kamal Sharma	Member
7. Dr. Rudra Pratap Singh	Member
8. Dr. Vijay Kumar Dwivedi	Member
9. Mr. Manoj Kumar Agrawal	Member
10. Mr. Naveen Kr. Gupta	Member
11. Mr. Pushpendra Singh Rathore	Member
12. Mr. Harish Kumar Sharma	Member
13. Mr. Sunil Kumar	Invitee

The Chairman Board of Studies welcomed all the members and started proceedings of the 10th meeting of BoS in accordance with the Agenda note circulated earlier.

Item No. 10.1: To confirm the minutes of the 9th BoS meeting

The minutes of the meeting of 9th BoS held on May 13th, 2016 were implemented (Annexure – A).

Item No. 10.2: To consider and recommend the Course structure and Syllabuses of Choice Based Credit System (CBCS) System for B. Tech Program.

The experts discussed and recommend the Course structure and Syllabuses of Choice Based Credit System (CBCS) System for B. Tech Program. (Annexure – B)

Item No. 10.3: 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 - C).

Item No. 10.4: To consider and recommend the value-added courses for session 2017-18

The experts discussed and recommended the list of value-added courses (Annexure - D).

Item No. 10.5: To consider and recommend restructuring and updation of contents of following Courses of 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

S.N.	Programme	Number of courses under consideration for revision	Name of the courses under consideration for revision
1	B.Tech. Mechanical Engineering	4	(1) Material Science, (2) Applied Thermodynamics (3) Heat & Mass Transfer, (4) Dynamics of Machine,
2	M.Tech. Mechanical Engineering (Design)	1	Simulation, Modelling and Analysis
3	M.Tech. Mechanical Engineering (Production)	1	Simulation, Modelling and Analysis

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

Item No. 10.6: Any other item with the permission of chair.

No item has been reported. The Chairman, Board of Studies extends thanks to all the members.

(Prof. Piyush Singhal)
Head, Mech. Engg.

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

Annexure C

1/15/11

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department

S.No.	Name of the Course	Focus on Employability/ Entrepreneurship/ Skill development
1	Measurement and Metrology	Employability/ Skill development
2	Manufacturing Science -I	Employability
3	Applied Thermodynamics	Employability/ Skill development
4	Kinematics of Machine	Skill development
5	Measurement & Metrology Lab	Employability/ Skill development
6	Manufacturing Science -I Lab	Employability
7	Machine Drawing Lab	Employability/ Skill development
8	Soft Skills- II	Skill development
9	Fluid Machinery	Employability/ Skill development
10	Internal Combustion Engine	Employability
11	Machine Design -II	Employability
12	Refrigeration and Air Conditioning	Employability/ Skill development
13	Fluid Machinery Lab	Employability/ Skill development
14	Machine Design - II Lab	Employability
15	Refrigeration and Air Conditioning Lab	Employability
16	Soft Skills – IV	Skill development
17	Operations Research	Skill development
18	Industrial Engineering	Skill development
19	POWER PLANT ENGINEERING	Employability
20	PRODUCT DEVELOPMENT & DESIGN	Employability
21	ADVANCED SOFTWARE LAB	Skill development
22	Fluid Mechanics	Skill development
23	Material Science	Skill development
24	Strength of Materials	Skill development
25	Fluid Mechanics Lab	Skill development
26	Materials Science & Testing Lab	Skill development
27	Manufacturing Science & Technology-II	Employability
28	Machine Design-I	Employability
29	Dynamics of Machine	Skill development
30	Heat & Mass Transfer	Skill development
31	Manufacturing Science & Technology-II Lab	Employability

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32	Machine Design II Lab	Employability
33	Theory of Machine Lab	Skill development
34	Heat & Mass Transfer Lab	Skill development
35	Automobile Engineering	Employability
36	Computer Aided Design	Skill development
37	Computer Aided Manufacturing	Employability
38	Soft Computing Techniques	Skill development
39	Computational Fluid Dynamics	Skill development
40	Industrial Automation & Control Systems	Skill development
41	Automobile Engineering Lab	Employability
42	CAD/CAM Lab	Skill development
43	Industrial Training/Seminar	Skill development
44	Applied Mechanics	Skill development
45	Applied Mechanics Lab	Skill development
46	Engineering Drawing	Employability/ Skill development
47	Engineering Workshop Practice Lab	Employability
48	Fundamentals of Computer and Programming	Skill development
49	Electrical Engineering	Skill development
50	Electronics Engineering	Skill development
51	Electrical & Electronics Lab	Skill development
52	English Language Skills for Communication – I	Skill development
53	English Language Lab – I	Skill development
54	Computer Programming Lab – I	Skill development
55	Problem Solving using Computers	Skill development
56	English Language Lab - II	Skill development
57	Electrical Machines & Automatic Control	Employability/ Skill development
58	Electrical Machines & Automatic Control Lab	Employability/ Skill development
59	Data Structure and Applications	Employability/ Skill development
60	Data Structures Lab	Employability/ Skill development
61	Object Oriented Programming Using C++	Employability/ Skill development
62	Object Oriented Programming Lab	Employability/ Skill development
63	Essentials of Information Technology	Employability/ Skill development
64	Information Technology Lab	Employability/ Skill development
65	Project	Skill development
66	Minor Project	Skill development

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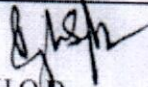
67	Modern Manufacturing Processes	Employability
68	Basics of Nano Technology	Employability/ Skill development
69	Mechanical Vibrations	Skill development
70	Mechatronics	Skill development
71	Turbo Machines	Employability
72	Micro Manufacturing	Employability
73	Project Management	Skill development
74	Total Quality Management	Skill development
75	Supply Chain Management	Skill development
76	Renewal Energy Resources and Its Utilization	Skill development
77	Finite Element Method	Skill development
78	Non Conventional Energy Resources	Employability/ Skill development
79	Soft Skills – III	Skill development
80	Soft Skills – I	Skill development
81	Entrepreneurship Development Program	Entrepreneurship/ Skill development
82	Computer Programming Lab – II	Skill development
83	Basic Mechanical Engineering	Skill development
84	English Language Skills for Communication – II	Skill development
85	Mathematics I	Skill development
86	Engineering physics	Skill development
87	Engineering Chemistry	Skill development
88	Engineering physics lab	Skill development
89	Engineering Chemistry lab	Skill development
90	Mathematics II	Skill development
91	Mathematics III	Skill development
92	English for professional purpose I	Skill development
93	English for professional purpose II	Skill development
94	Composite materials	Skill development
95	Ethics and values	Skill development
96	Environment studies	Skill development
97	Industrial Economics	Skill development
98	Advanced computer Aided Design	Skill development
99	Simulation, Modeling and Analysis	Skill development
100	Advanced Production Technology	Employability
101	Reliability and Maintenance	Skill development

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102	Computer based Numerical Technique and soft Computing	Skill development
103	Advanced Computer Aided Design Lab	Skill development
104	Simulation, Modeling and Analysis Lab	Skill development
105	Optimization for Engineering Design	Skill development
106	Finite Element Method (FEM)	Skill development
107	Computer Aided Manufacturing (CAM)	Employability/ Skill development
108	Interfacial Tribology	Skill development
109	Energy Conservation and Management	Skill development
110	Seminar	Skill development
111	Finite Element method Lab (FEM)	Skill development
112	Industrial Automation & Robotics	Employability/ Skill development
113	Supply Chain Management	Skill development
114	Colloquium	Skill development
115	Dissertation - I	Skill development
116	Technology of Competitive Manufacturing	Employability/Skill development
117	Micro Manufacturing	Employability
118	Design of Experiments	Skill development
119	Enterprise Resource Planning	Skill development
120	Research Methodology	Skill development
121	Advanced Machining	Employability
122	Nanotechnology and its Applications	Employability
123	Advanced Mechanics of Solids	Skill development
124	Machine Design tool	Employability/ Skill development
125	Production planning and control	Skill development
126	Design of Production tooling	Skill development
127	Rapid prototyping and Tooling	Skill development
128	Concurrent Engineering	Skill development
129	Dissertation - II	Skill development
130	Competitive Manufacturing Strategies and Group	Skill development
131	Numerical Techniques and Soft Computing	Skill development
132	Metal Working Tribology	Employability/ Skill development
133	Production Toolings	Skill development
134	Accuracy Inspection and Measurements	Skill development
135	Value Engineering & Cost Control	Skill development
136	Optimization Techniques	Skill development

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137	Research Methodology	Skill development
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H.O.D

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