

Agenda for the 14th meeting of the Board of Studies

The Agenda of the meeting will be as follows:

Item No. 14.1: To confirm the minutes of 13th Board of Studies meeting.

Item No. 14.2: To consider and recommend to approve the merging the programmes of B.Tech. in Mechatronics & B.Tech. in Automobile Engineering as B.Tech. ME with specialization in Mechatronics Engineering and B.Tech. ME with specialization in Automobile Engineering.

Item No. 14.3: To consider and recommend to approve the programme B.Tech. Mechanical Engineering (Specialization in Smart Manufacturing with Dysmech Competency Services, Pune (DCS) under Choice Based Credit System (CBCS).

Item No. 14.4: To consider and recommend the value-added courses for B.Tech program.

Item No. 14.5: To consider and recommend to introduce the new courses in the existing Programmes.

Item No. 14.6: To consider and recommend the courses having focus on employability/ entrepreneurship/Skill Development.

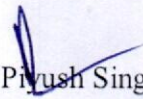
Item No. 14.7: To consider and recommend restructuring and updation of contents in B Tech and M.Tech Programs.



S.N.	Programme	Number of courses under consideration for revision	Details of Courses
1	B.Tech. Mechanical Engineering	5	Basic Mechanical Engineering,
			Product design and development
			Engineering Workshop Practice Lab
			Engineering Drawing
			Computer Aided Drafting Lab (CAD Lab)
2	B.Tech. Mechanical Engineering (Specialization in Automobile)	5	Basic Mechanical Engineering,
			Product design and development
			Engineering Workshop Practice Lab
			Engineering Drawing
			Computer Aided Drafting Lab (CAD Lab)
3	M.Tech. Mechanical Engineering (Design)	1	Advance Computer Aided Design.
4	M.Tech. Mechanical Engineering (Production)	1	Advance Computer Aided Design.

Item No. 14.8: To consider and approve modification in one course and to introduce one new course in PhD Programme, as recommended by the Research Cell of the University

Item No. 14.9: Any other item with the permission of chair.

(Prof. )
Head, Dept. of Mech. Engg.

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

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

Department of Mechanical Engineering

**MINUTES OF
14TH MEETING
OF
BOARD OF STUDIES (BOS)**

**DEPARTMENT OF
MECHANICAL
ENGINEERING**



JUNE 11, 2020

By S. A. 1

Minutes of 14th BOS meeting held on 11-06-2020 at 2PM

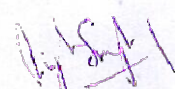
The 14th meeting of the Board of Studies of Mechanical Engineering Department was held at 2:00 PM on June 11, 2020 of Mechanical Engineering Department.

Meeting chaired by H.O.D Mechanical Prof. Piyush Singhal in presence of external members,

1. **Mr. Rakesh Singh Yadav** External Expert, Safety Officer, BHEL, Vishakhapatnam (Alumnus 2001-05)
2. **Mr. Augustya Kumar Sharma** External Expert, Dy. Manager, Volvo Eicher Commercial Vehicles Ltd., Gurugram (Alumnus 2007-11)
3. **Mr. Rahul Naidu** External Expert, Chief Advisor: Engineering Services, Dysmech Competency Services Pvt. Ltd, Pune, Indi

The following BoS members of the department were present in the meeting:

1. Dr. Piyush Singhal Chairperson & Head, Mech. Engg. Dept., GLA University
2. Mr. Rakesh Singh Yadav External Expert, Safety Officer, BHEL, Vishakhapatnam (Alumnus 2001-05)
3. Mr. Augustya Kumar Sharma External Expert, Dy. Manager, Volvo Eicher Commercial Vehicles Ltd., Gurugram (Alumnus 2007-11)
4. Mr. Rahul Naidu External Expert, Chief Advisor: Engineering Services, Dysmech Competency Services Pvt. Ltd, Pune, India
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. RudraPratap Singh Member
9. Dr. Manoj Kumar Agrawal Member
10. Mr. RavindraPratap Singh Member
11. Dr. Vijay Kumar Dwivedi Member
12. Dr. Sujit Kumar Verma Member
13. Dr. Naveen Kumar Gupta Member
14. Dr. Kuldeep Kumar Saxena Member
15. Dr. Pradeep Kumar Singh Member
16. Mr. KuwarMausam Member
17. Mr. Shashank Srivastava Member
18. Mr. Vikas Sharma Member
19. Mr. Gaurav Bharadwaj Member
20. Mr. Aneesh Kumar Member
21. Mr. Nitin Kukreja Member



Experts have given following suggestions:

Agenda 14.1: To confirm the minutes of 13th Board of Studies meeting.

Chairperson and H.O.D. Prof. Piyush Singhal welcomed external experts and internal members of B.O.S and comprise them about agenda of 13th B.O.S. details of suggestion and action taken measures were discussed briefly. External experts were highly appreciative for systematic and progressive approach adopted by the B.O.S for modifications and launching of new syllabus. (**Annexure A**)

Agenda 14.2: To get approval for merging the Programmes of B.Tech. in Mechatronics & B.Tech. in Automobile Engineering as B.Tech. ME with specialization in Mechatronics Engineering and B.Tech. ME with specialization in Automobile Engineering.

Mr. Rahul Naidu suggested training to students in Python programming, I.T Related exposure, M/C language programming, Industry 4.0 level exposure required for students.

Er. Rakesh Yadav discussed various safety related issues related to operation and maintenance of equipment's and tools should be included in course curriculum in compliance with industry 4.0. He also suggested inclusion of quality issues and measurement of various defects should be included in course curriculum.

Some low cost measurement test should be part of lab training, these are as such like liquid penetration test for cracks and magnetic check for crack checking. Augustya Kumar Sharma suggested automation for higher production. He suggested that more emphasis should be given to automation of production machinery, process planning and materials handling to save time, material and manpower. He emphasized on inclusion of techno-commercial aspects in automobiles and B.S 6 norms.

Agenda 14.3: To consider and approve the programme B.Tech. Mechanical Engineering (Specialization in Smart Manufacturing with DCS (Dysmech Competency Services, Pune) under Choice Based Credit System (CBCS).

All external experts were highly enthusiastic about the proposal. They further suggested to include industry 4.0 level training to students and more exposure in computing interface to enhance wider acceptability of students in IT manufacturing and services sectors (**Annexure B**).

Item No. 14.4: To consider and recommend the value-added courses for B. Tech program.

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

Item No. 14.5: 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. 14.6: 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. 14.7: To consider and recommend restructuring and updation of contents in 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	Details of Courses
1	B.Tech. Mechanical Engineering	5	Basic Mechanical Engineering, Product design and development Engineering Workshop Practice Lab Engineering Drawing Computer Aided Drafting Lab (CAD Lab)
2	B.Tech. Mechanical Engineering (Specialization in Automobile)	5	Basic Mechanical Engineering, Product design and development Engineering Workshop Practice Lab Engineering Drawing Computer Aided Drafting Lab (CAD Lab)
3	M.Tech. Mechanical Engineering (Design)	1	Advance Computer Aided Design.
4	M.Tech. Mechanical Engineering (Production)	1	Advance Computer Aided Design.

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


Department of Mechanical Engineering

Item No. 14.8: To consider and approve modification in one course and to introduce one new course in PhD Programme, as recommended by the Research Cell of the University

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.

Item No. 14.9: 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 vote of thanks given by the chair.


(Prof. PiYush Singhal)
Head, Dept. of Mech. Engg.

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

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