

Teerthanker Mahaveer University, Moradabad

TMU College of Engineering

Mechanical Engineering Department

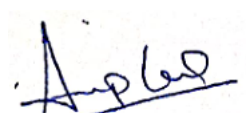
Minutes of BoS Meeting

A meeting of Board of Studies was held in the Mechanical Engineering department office, Faculty of Engineering on 14/06/2024. The following given below points regarding the syllabus of BTech, Mechanical Engineering for the 2025-26 session had been discussed by the head of the department, Mechanical Engineering. Following members were present in the meeting:

- Prof R.K Dwivedi, Dean Engineering
- Prof Lokesh Varshney, Professor, Mechanical Engineering Department, GB Pant University, Pantnagar, UK (External Expert)
- Prof R K Jain, Professor, Civil Engineering Department, Teerthanker Mahaveer University, Moradabad
- Dr Himansh Kumar, HoD, ME Department (Chairperson)
- Dr Rohit K Singh Gautam, Assistant Professor, ME Department (Member)
- Mr Arun Gupta, ME Department (Member)
- All other faculties of the department

List of Agenda Items

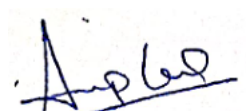
1. To design the Vision and Mission of Mechanical Engineering Department for the Academic Programs 2025-26.
2. To review and design the Program Educational Objectives (PEOs), Program Outcomes (Pos), Program specific outcomes (PSOs), and Course outcomes (Cos) for the Mechanical Engineering Department syllabus of Academic Programs 2025-26.
3. To propose a value-added course, 'MATERIAL CHARACTERIZATION TECHNIQUES' for Diploma and BTech students. This can be considered as a summer training wherever applicable and with a fee of course is decided 1000/- per candidate.
4. To remove the condition of 75% marks in the first-year marks to opt honors in B.Tech. Mechanical Engineering and also to remove the condition to take prior permission to Vice Chancellor of the university to opt the same.



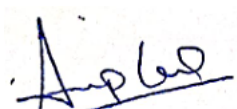
5. To replace the Business English (TMUTGE203) course with English Communication-II (TGE203) in the second semester, B. Tech.-ME syllabus to maintain the uniformity in the syllabus of English Communication in all the branches of Engineering. This action has been taken due to the discontinuation of MoU with TCSiON.
6. To remove the topic, Introduction to compressible flow to the Fluid Mechanics (EME 414) course due to its irrelevancy in this course.
7. To include the topic, cooling system in the Automobile Technology (EME 716) course due to its relevancy in the course.
8. To include the suggested topics as per the Maker Bhawan Foundation (MBF) in all the semesters of BTech program to support Tinkering lab course.
9. To incorporate the stakeholders feedback & ATR in the syllabus of BTech academic programs 2025-26.
10. AAA Audit 2024-25 Proforma (All Criteria)- Signed report [IQAC Coordinator]
11. Any other matter with the permission of chair.

The following points were discussed in BoS:

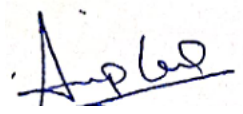
- The department of Mechanical Engineering has presented the B.Tech, Mechanical Engineering syllabus in respect of newly created Vision and Mission and restructured Program Educational Objectives (PEOs), Program Outcomes (Pos) and Program specific outcomes (PSOs) thoroughly and the BoS expert has recommended the same without any change (**Annexure I**).
- The department of Mechanical Engineering has presented the restructured course outcomes (Cos) w.r.to the Bloom's Taxonomy to categorize the educational learning objectives into levels of complexity and specificity for all the courses offered in B.Tech, Mechanical Engineering Program and MTech, Additive manufacturing Program, the BoS expert has recommended the same with minor suggestions and these are incorporated in the revised syllabus (**Annexure I**).
- The department of Mechanical Engineering has proposed a value-added course, 'MATERIAL CHARACTERIZATION TECHNIQUES' for Diploma and BTech students. This can be considered as a summer training wherever applicable and with a fee of course is decided 2000/- per candidate. The BoS expert has recommended the same without any change (**Annexure II**).



- The department of mechanical engineering has proposed to remove the condition of 75% marks in the first year to opt the minor specialization in the B.Tech. Mechanical Engineering Honours Programme. The BoS expert has recommended the same without any change **(Annexure I)**.
- The department of mechanical engineering has proposed to replace the Business English (TMUTGE203) course with English Communication-II (TGE203) in the second semester, B. Tech.-ME syllabus to maintain the uniformity in the syllabus of English Communication in all the branches of Engineering. This action has been taken due to the discontinuation of MoU with TCSiON. The BoS expert has recommended the same without any change **(Annexure I)**.
- The department of Mechanical Engineering has suggested to remove the topic, Introduction to compressible flow from the Fluid Mechanics (EME 414) course due to its irrelevancy in this course and also to include the topic, cooling system in the Automobile Technology (EME 716) course due to its relevancy in the course. The BoS expert has recommended the same without any change **(Annexure I)**.
- The Mechanical Engineering Department has proposed to include the suggested topics as per the Maker Bhawan Foundation (MBF) in all the semesters of BTech program to support Tinkering lab course. The BoS expert has recommended the same without any change **(Annexure I)**.
- The Mechanical Department has briefed the Stakeholders' Feedback and Action Taken Report (ATR) of the ME Department and submitted to the IQAC. The IQAC Coordinator confirmed the receipt of the document. The BoS expert has recommended the same without any change **(Annexure III)**.
- The Mechanical Department has briefed the AAA Audit 2024-25 Proforma (All Criteria) of the ME Department, duly submitted to the IQAC. The IQAC Coordinator confirmed the receipt of the document and acknowledged the submission during the meeting. The BoS expert has recommended the same without any change **(Annexure IV)**.
- BoS expert has also recommended few changes as per the NEP-2020 which will be incorporated from the academic session 2026-27.
- The Department of Mechanical Engineering has proposed a total of 174 credits for the degree program. The BoS expert recommended the removal of the term 'Honors' from the minor specialization programs-Mechatronics/ Machine Learning & Automation/ Artificial Intelligence in additive manufacturing-offered by the Department of Mechanical Engineering. Additionally, the BoS members agreed to award a certificate of minor specialization to students who successfully earn 20 additional credits.



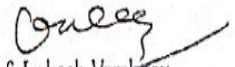
The meeting is ended with vote of thanks.



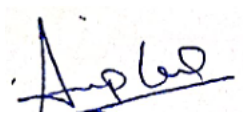
Dr. Himansh Kumar
HoD, ME Department



Prof. R. K. Dwivedi
Dean, TMU-CoE



Prof. Lokesh Varshney
GBPUAT, Pantnagar, UK

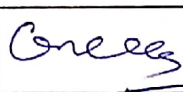
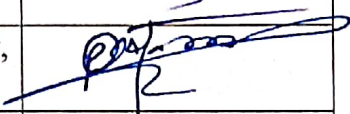
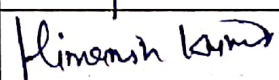
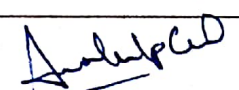
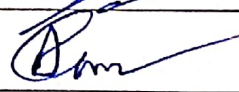
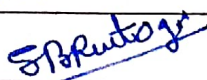


College of Engineering

Attendance Sheet for BoS

Date: 14/06/2025

Department of Mechanical Engineering Attendance Sheet

S. No.	External Expert/Chairperson/Faculty Name	Designation	Signature
1	Prof. Lokesh Varshney	External Expert, Professor	
2	Prof. Ravindra Komal Chand Jain	Nominated Member, Professor	
3	Dr Himansh Kumar	Chairperson, Assistant Professor	
4	Dr Sunkulp Goel	Member, Associate Professor	
5	Dr Rohit Kumar Singh Gautam	Member, Assistant Professor	
6	Mr. Arun Gupta	Member, Assistant Professor	
7	Mr. S.B. Rastogi	Member, Assistant Professor	
8	Mr. K.B. Anand	Member, Assistant Professor	

GLIMPSE OF ME-BOS 2025-26

