



SAMRAT ASHOK TECHNOLOGICAL INSTITUTE

(ENGINEERING COLLEGE)

(An Autonomous Institute Affiliated to RGPV, Bhopal)

Vidisha (M.P.) 464001

Mechanical Engineering Department

Minutes of Board of Study Meeting held on 27.05.2025

Meeting of Board of Studies (BOS) of Mechanical Engineering held on 27-05-2025 in hybrid mode. Following members of the (BOS) were present physically in the meeting.

1. Dr. Pankaj Agarwal, HoD & Chairman
2. Dr. Alok Jain, Dean (Academic)
3. Dr. Sanjay Katarey
4. Dr. Ashish Manoria
5. Prof. Sanjay Jain
6. Prof. Sandeep Jain
7. Dr. R. M. Saxena
8. Dr. C. P. Singh
9. Prof. Neeraj Sen
10. Dr. Kamlesh Sharma
11. Dr. Pradeep Singh
12. Prof. Pankaj Sonkusare
13. Prof. Nikhil M. Vyas

Following members joined the meeting online using the Google meet link:

Video call link: <https://meet.google.com/rwq-qtzy-rvj>

1. Dr. Rajesh Kumar, Professor, Delhi Technological University, New-Delhi.
2. Dr. P. Jaiswal, Professor, Mechanical Engineering Dept., MITS Gwalior
3. Er. Jayesh Jain, Vice President, Volvo Eicher Commercial Vehicle Ltd, Pithampur
4. Prof. J.P. Shakya, Assistant Professor, DoME, S.A.T.I. (Engineering College), Vidisha

At the onset of the meeting Chairman Dr. Pankaj Agarwal welcomed all the members and, briefed them about the agenda and, other related issues.

Following items as listed in the agenda were presented and, discussed and, final resolutions were passed as shown against the agenda items.

Agenda Item 1:

To confirm the minutes of previous BOS meeting held in the month of December 2024.

Resolution Item 1:

The minutes of the BOS meeting held in December 2024 were presented before the board members and, discussed for any further necessary amendments. The board members duly agreed through mutual consensus that the approved minutes, along with their items and, resolutions are well appropriate and, require no further amendments. The board re-approved the same minutes of previous BOS, with no essential amendments.

Agenda Item 2:

To propose change in syllabus of theory/practical's and Course Outcomes (CO's), if any, for the subjects in I Semester for 2025-2026 admitted batch in B.Tech - Mechanical Engineering.

Resolution Item 2:

The syllabus of theory/practical's and CO's of the subjects of I semester, B.Tech – Mechanical Engineering (2025-26 batch) was presented on chair and, the required proposals for any changes were anticipated. The members discussed over the contents of the courses, their CO's and, attached syllabi. However, with due consensus the members agreed to keep all the courses, their CO's and, respective syllabi intact with as it is and, thus proposed **no changes for the same**.

Agenda Item 3:

To propose change in syllabus of theory/practical's and Course Outcomes (CO's), if any, for the subjects in III semester (2024-2025 admitted batch) and, V semester (2023-2024 admitted batch) of B.Tech - Mechanical Engineering.

Resolution Item 3:

The members affirmed that the syllabus of theory/practical's and, CO's of all the subjects of III semester, (2024-25 admitted batch) and V semester (2023-24 admitted batch), B.Tech.- Mechanical Engineering have no essential requirement of amendments, since the ongoing scheme and syllabi of III and V semester were framed for the batch admitted in 2023-24 & 2022-23 respectively; discussed and, approved in the BOS held in June 2024. So, all the members proposed to keep intact with same syllabi and **no further changes in it**.

Agenda Item 4:

To propose subjects (DC – Departmental Core, DE- Departmental Elective) and their syllabi of theory/practical's and Course Ourcomes (CO's), w.r.t. to the updated scheme of VII Semester for 2022-2023 admitted batch in B.Tech – Mechanical Engineering.

Resolution Item 4:

A revised scheme of VII semester has been proposed on chair. The revised scheme structure is composed of one departmental core subject, three departmental electives (DE- IV, V & VI), major project prelims and evaluation of internship completed in third year. The revised scheme has three different subjects in each of the departmental electives. **The board approved scheme structure with all allied core & elective subjects.**

Agenda Item 5:

To propose modified bucket of Departmental Electives (DE-I) for V semester of B.Tech – Mechanical Engineering, and, Open Electives (OE-III) for V semester of other engineering streams within institute.

Resolution Item 5:

A modified list of departmental electives (DE-I) and open electives (OE-III) for V semester has been proposed with an inclusion of one more subject in each of lists (legible in bold letters). The updated list of departmental electives has subjects: DE -I ME-504 (A) Energy Conversion Devices, **(B) Power Plant Engineering**, (C) Gas Dynamics; while the updated list of open electives has subjects: OE -III OE-505 (A) Industry 4.0 & 3-D Printing, **(B) ISO 9000 & Total Quality Management**, **(C) Mechatronics & Automation**. The board with mutual consensus agreed to approve these subjects and their syllabi with no required amendments.



Dr. Pratesh Jayaswal emphasized to introduce subjects like AI/ML, Data science and other such latest technologies, so as to inculcate the students with the latest and trending fields of technologies.

Agenda Item 6:

To propose the list of Holistic courses that are to be run by the Mechanical Engineering Deptt. for students of B.Tech – Mechanical Engineering.

Resolution Item 6:

Considering the course to be a non-credit subject, the board agreed to re-introduce the same that was floated in previous year for the students of III semester. **“Role and responsibility of engineers”** was proposed to re-run as a holistic course and, with mutual consensus it has been approved on chair.

Agenda Item 7:

To propose the modified list of courses through Swayam /NPTEL for Honours and Minors degree in B.Tech – Mechanical Engineering as per AICTE model curriculum.

Resolution Item 7:

A modified list of courses for minor degree in B.Tech – Mechanical Engineering (for students of other engineering streams within institute) and, honors degree in B.Tech – Mechanical Engineering (for students of Mechanical Engineering) has been proposed. The modified list of minor degree has inclusion of some basic subjects like Engineering Graphics, Engineering Mechanics and Nature & properties of materials, and, some more subjects in the area of production engineering. A new course of honors degree in Additive Manufacturing, as suggested by Dr. Pratesh Jayaswal in previous BoS, has been proposed as per the AICTE model curriculum, along with an ongoing course of honors degree in Robotics. The board members approved the same with no required amendments.

Agenda Item 8:

Comprehensive result analysis of last examination.

Resolution Item 8:

The year wise and subject wise result analysis of all the ongoing batches of B.Tech Mechanical Engineering and M.E. Advanced production systems was presented on chair and suggestions were anticipated. Dr. Rajesh Kumar suggested for the **preparation of question bank** for the students in each of the subjects and also, he emphasized to prepare assignments and question papers of mid-semester exams and end-semester exams from the same question bank available with students. Agreeing to the same, Dr. Pratesh Jayaswal focused on similar pattern of teaching based on continuous evaluation. Dr. Rajesh Kumar also focused to introduce more subjects based on computer programming so that, the students incline towards the benefitting scenario of software based industries from the very I-year itself. The board noted all these suggestions of experts and agreed to work upon with their best possible efforts.

Agenda Item 8: To discuss and recommend the scheme structure & syllabi of PG Programme, M.E. – Advanced Production Systems, along with their CO's and, the scheme structure and syllabus of Ph.D. Course Work.

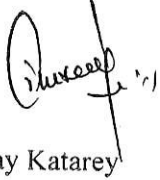
Resolution Item 8:

The scheme structure and syllabi of PG programme, ME-Advanced Production Systems was presented on chair and with mutual consensus the board agreed to approve the same with no essential amendments. Dr. Pratesh Jayaswal suggested to **introduce industry based projects for M.E. students right from their third semester, including internships in the industries**. These suggestions were made by expert to enhance the quality of master programme and also, raise the number of admissions.

A series of handwritten signatures in blue ink, likely representing the members of the Board of Studies (BOS) who approved the resolutions. The signatures are written in a cursive, flowing style.

It was presented by the chair that as per the Ordinance No. 11, section 40 (1) of R.G.P.V. Bhopal; the courses for the doctoral research scholars are recommended by their specific RAC. One compulsory subject of Research Methodology (4 credits) is to be opted by the scholar, while the other subjects are usually opted from the subjects within the schemes of M.E. Advance Production Systems. The board members agreed with this format of university and suggested no further amendments at the departmental or institutional level.

Meeting concluded with the chairman extended thanks to all members for their valuable suggestions.



Dr. Sanjay Katarey



Dr. Ashish Manoria



Prof. Sanjay Jain



Prof. Sandeep Jain



Dr. Ravindra Mohan Saxena



Dr. C P Singh



Prof. Neeraj Sen



Dr. Kamlesh Sharma



Prof. J.P. Shakya



Prof. Pankaj Sonkusare



Dr. Pradeep Singh



Prof. Nikhil Mohan Vyas



Dr. Alok Jain



Dr. Pankaj Agarwal