



# SAMRAT ASHOK TECHNOLOGICAL INSTITUTE

(Engineering College), VIDISHA M.P.

(An Autonomous Institute Affiliated to RGPV Bhopal)

## Mechanical Engineering Department

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### Minutes of Board of Study Meeting held on 08-06-2023

Meeting of Board of Studies (BOS) of Mechanical Engineering held on 08-06-2023 at 11.30 AM in hybrid mode. Following members of the (BOS) were present physically in the meeting

1. Dr. Sanjay Katare, HOD & Chairman
2. Dr. Pankaj Agarwal
3. Dr. Ashish Manoria
4. Prof. Sanjay Jain
5. Dr. R. M. Saxena
6. Dr. C. P. Singh
7. Prof. Neeraj Sen
8. Prof. J. P. Shakya
9. Dr. Kamlesh Sharma
10. Dr. Pradeep Singh
11. Prof. P. Sonkusare
12. Dr. Mangal Singh Lodhi
13. Dr. Gopal K. Deshmukh
14. Dr. Neetesh Singh Reghuvanshi
15. Dr. Gaurav Bajpai
16. Prof. Nikhil M. Vyas

Following members joined the meeting online using the Google link [meet.google.com/byc-biuk-dys](https://meet.google.com/byc-biuk-dys)

1. Dr. Rajesh Kumar, Professor, Mechanical Engg. Dept., DTU Delhi
2. Dr. Pratesh Jayaswal, Professor, Mechanical Engg. Dept., MITS Gwalior
3. Er. Jayesh Jain, Vice President, Volvo Eicher Commercial Vehicle Ltd, Pithampur

At the onset of the meeting Chairman Prof. Sanjay Katarey welcome all the members and briefed them about the agenda and other related issues. Following items as listed in the agenda presented and discussed and final resolutions were passed as shown against the agenda item.

**Agenda Item 1.** To discuss and approve scheme and syllabus for B Tech III and IV semester for batch admitted in AY 2022-23.

**Resolution:** The scheme and syllabus (Annexure 1) accepted and approved to be implemented for the students of B Tech Mechanical Engineering admitted in the year 2022-23 onwards from

next session. It is suggested in the meeting that subjects in emerging technology like Electric Vehicle technology, Fuel Cell, Hydrogen Fuel, Industry 4.0 etc be incorporated in higher semester. Hence it is decided to include such subjects in higher semester syllabus as core or departmental electives subjects.

**Agenda Item 2:** To discuss and approve open elective subjects to be offered by the mechanical engineering department in next session

**Resolution:**The open elective subjects as proposed (Annexure 2) accepted and approved. It is further decided to introduce more open elective subjects in emerging areas in future.

**Agenda Item 3:** To discuss and approve Value Added and Holistic Education Courses (non credit)

**Resolution:** The proposed value added courses (Annexure 3) and their respective contents accepted and approved. It is suggested that some of value added course should be introduced at later stage as open electives as well for the overall development of students. The suggestion has been taken on record for implementation in future.

**Agenda Item 4:** review the result of last semester of I,IV,VI and VIII semester and to record suggestions, if any

**Resolution:** The result analysis of the last semester examination presented in the meeting. All members expressed satisfaction over the result and viewed the students' performance with commendation.

**Agenda Item 5:**To review the question papers of the last semester examination and to record suggestions if any

**Resolution:** The quality of question papers found to be satisfactory. However expert members are of the view that proper mapping of questions with course outcome be presented and bloom taxonomy level should also be indicated. The suggestion has been taken on record for implementation in future examination.

**Agenda Item 6:** To discuss and approve subjects (only MOOC courses on SWAYAM platform) for minor degree in mechanical engineering and honours degree in Advanced Manufacturing Technology.

**Resolution:**As per decision of the Academic Council to award minor and honours degree, separate lists of selected courses on SWAYAM platform were presented in the meeting for approval.

**Minor degree** subject list is approved with the following changes (Annexure 4)

- (i) The subject at S.N. 3 "Conduction and Convection" be replaced by introductory subject on "Heat Transfer"
- (ii) In order to ensure basic understanding of mechanical engineering, the following subjects in the list be made compulsory.

S.N. in the list	Name of the subjects
1	Thermodynamics
2	Introduction to Fluid Mechanics
10	Fundamentals of Manufacturing Process
12	Mechanical Measurement System

Any student of UG engineering program other than mechanical engineering discipline, who earns additional twenty credits from the approved SWAYAM course list (Annexure 4) will be awarded minor degree in mechanical engineering.

**Honors Degree:** The List of selected courses on SWAYAM platform for Honors Degree is approved with introduction of two additional subjects on Industry 4.0 and micro machining as given at S.N. 8 and 9. (Annexure 5)

Any student of UG Mechanical Engineering discipline who earns additional twenty credit from the approved SWAYAM courses list will be awarded **B Tech in Mechanical Engineering with Honors (Advances in Manufacturing Technology)**. The suggestion to introduce another honors degree program in Thermal Engineering has been taken on record for consideration in future.

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

Pankaj Agrawal

Ashish Manoria

Sanjay Jain

C P Singh

Ravi Mohan

Neeraj Sen

Kamlesh Sharma

J P Shakya

Pankaj Sonkusare

Pradeep Singh

N M Vyas

M S Lodhi

Gopal Deshmukh

Gaurav Bajpai

N S Raghuvanshi

Sanjay Katarey