SAMRAT ASHOK TECHNOLOGICAL INSTITUTE
(Engineering College), VIDISHA M.P.
(An Autonomous Institute Affiliated to RGPV Bhopal)
Mechanical Engineering Department

1

Minutes of Board of Study Meeting held on 14-12-2023

S. No.	(Course/subject name)	Course Code	Year of introduction	Year of revision	Percentage of content added or replaced	Agenda Item No.	Page No.	Link of relevant documents/minutes
	Courses where revision was carried out*							
1	Basic Mechanical Engineering	ME 101	2021	2023	5	6	6	https://www.satiengg.in/images/Departments/Mechanical/bos/Syllabus_Basic_Mechanical_Engineering_MEA_101.pdf
2	Manufacturing Practices	ME105	2021	2023	10	6	6	https://www.satiengg.in/images/Departments/Mechanical/bos/Syllabus_Manufacturing_Practice_MEA-105.pdf
3	Introduction to Economy & Finance	ME1865(B)	2021	2023	5	6	6	https://www.satiengg.in/images/Departments/Mechanical/bos/Syllabus_Economy_and_Finance_ME_1865_B.pdf
4	Introduction to Industry 4.0	ME1882(C)	2021	2023	5	6	6	https://www.satiengg.in/images/Departments/Mechanical/bos/Syllabus_Industry4_0_Syllabus_ME_1882_C.pdf
5	Applied Thermodynamics	ME 402	2022	2023	5	6	6	https://www.satiengg.in/images/Departments/Mechanical/bos/Syllabus_Applied_Thermodynamics_ME_402.pdf

S.No.	(Course/subject name)	Course Code	Activities/contents which have a bearing on increasing skill and employability	Agenda Item No.	Page No.	Link of relevant documents/minutes
	Courses focusing on employability/entrepreneurship/ skill development*					
1	Automotive Technology	MEC362	Electrical Vehicle Technology and latest trends in automobile engineering	1,2	5	https://www.satiengg.in/images/Departments/Mechanical/bos/Annexure_3_VI_Sem_Syllabus.pdf

| 2 | Lab I and II | MEL 356 | Software - HyperMesh, Ansys | 1,2 | 5 | https://www.satiengg.in/images/Departments/Mechanical/bos/Annexure_2_V_Sem_Syllabus.pdf |

			New Courses added[*]			
S.No.	(Course/subject name)	Course Code	Activities/contents which have a bearing on increasing skill and employability	Agenda Item No.	Page No.	Link of relevant documents/minutes
1	Automotive Technology	MEC362	Electrical Vehicle Technology and latest trends in automobile engineering	1,2	5	https://www.satiengg.in/images/Departments/Mechanical/bos/Annexure_3_VI_Sem_Syllabus.pdf
2	Lab I	MEL 356	Software - HyperMesh, Ansys	1,2	5	https://www.satiengg.in/images/Departments/Mechanical/bos/Annexure_2_V_Sem_Syllabus.pdf
3	Energy& Ecology	MEE354 (D)	Energy-need, importance and its effect	3,4	5	https://www.satiengg.in/images/Departments/Mechanical/bos/Annexure_2_V_Sem_Syllabus.pdf
4	Modern Manufacturing Technology	MEC363 (C)	AI, IOT, Digital Manufacturing	3,4	5	https://www.satiengg.in/images/Departments/Mechanical/bos/Annexure_3_VI_Sem_Syllabus.pdf

Feedback on curriculum received from stake holders : Analysis and ATR

Stakeholder	Student	Faculty	Alumni
No. of responses	119	12	29
Link of Analysis			
Final Year students (batch passout in June 2023)	https://docs.google.com/spreadsheets/d/1J0j4wRNrMZcx9pka_MWMHyKBDh_fsaxhML_kmk5jc9c/edit#gid=1832251698	https://docs.google.com/spreadsheets/d/1_FluMIxiLCy2v7EoTj8cX3Zp6apxkNIzLc-jHWX0EIA/edit#gid=696240535	https://docs.google.com/spreadsheets/d/1SAp66rV6Chr9QZkfA4cqXP6AXRGTAONPMI5ClCQd-7E/edit#gid=9757890
Final Year student	https://docs.google.com/forms/d/1Db3UClEPm8VGRpjuj_jKHDma7j-gYvuMvnkaF1Gz2lU/edit?ts=656ecac4		
Pre-Final Year student	https://docs.google.com/spreadsheets/d/1xh5_Uote4QdG1H4bsXrDZVsS3NYizFMsbUxZKa2MNqw/edit?resourcekey#gid=1681765883		
Second year students	https://docs.google.com/forms/d/1-kJtfYqB2MKUeb21NipeNF-YZbUViuuUsU9QUxX8l94/edit?ts=6568b64a#responses		
ATR Link	https://www.satiengg.in/images/Departments/Mechanical/bos/ATR_on_Curriculam.pdf	https://www.satiengg.in/images/Departments/Mechanical/bos/ATR_on_Cur	https://www.satiengg.in/images/Departments/Mechanical/bos/AT

		riculam.pdf	R_on_Curricula m.pdf
Link showing Excel sheet of Google Form details of stakeholders			
Final Year students (batch passout in June 2023)	https://docs.google.com/spreadsheets/d/1J0j4wR NrMZcx9pka_MWMHyKBDh_fsaxhML_kmk5jc9c/ edit#gid=1832251698	https://docs.google.com/spreadshee ts/d/1_FluMIxiLCy 2v7EoTj8cX3Zp6ap xkNIzLc- jHWX0EIA/edit#gi d=696240535	https://docs.goo gle.com/spreads heets/d/1SAp66 rV6Chr9QZkfA4c qXP6AXRGTAON PMI5ClCQd- 7E/edit#gid=972 57890
Final Year student	https://docs.google.com/forms/d/1Db3UClEPm8V GRpjuj_jKHDma7j- gYvuMvnkaF1Gz2lU/edit?ts=656ecac4		
Pre-Final Year student	https://docs.google.com/spreadsheets/d/1xh5_U ote4QdG1H4bsXrDZVsS3NYizFMsbUxZKa2MNqw/ edit?resourcekey#gid=1681765883		
Second year students	https://docs.google.com/forms/d/1- kJtfYqB2MKUeb21NipeNF- YZbUViuuUsU9QUxX8l94/edit?ts=6568b64a#resp onses		

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Minutes of Board of Study Meeting held on 14-12-2023

Meeting of Board of Studies (BOS) of Mechanical Engineering held on14-12-2023 in hybrid mode. Following members of the (BOS) were present physically in the meeting

1. Dr. Sanjay Katare, HOD & Chairman
2. Dr. Jitendra Parashar, Dean (Academic)
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. Gopal K. Deshmukh
13. Prof. Nikhil M. Vyas

Following members joined the meeting online using the Google link

https://meet.google.com/aie-ytdk-ekw

1. Dr. Rajesh Kumar, Professor, Mechanical Engg. Dept., DTU Delhi
2. Er. Jayesh Jain, Vice President, Volvo Eicher Commercial Vehicle Ltd, Pithampur
3. Dr Pankaj Agrawal Professor Mechanical Department SATI Vidisha

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 passes as shown against the agenda item.

Agenda Item 1:

To discuss and approve scheme B Tech V and VI semester for batch admitted in AY 2022-23.

Resolution Item 1:

The scheme 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 in higher semester more subjects based on industry demand be included. **(Annexure1)**

Agenda Item 2:

To discuss and suggest necessary inclusion/exclusion, if any, in the provisional syllabus for B Tech V and VI semester for batch admitted in 2022-23

Resolution Item 2:

Provisional syllabus for B Tech V and VI semester discussed in the meeting and approved for implementation from session 2024-25. It is suggested by the expert that an chapter on hydro machine and a chapter on Refrigeration and Air conditioning should be included in any of the compulsory subject. In addition lab III MEL 366 should also be used to cover basic introductory topics of elective subjects of V and VI semester **(Annexure 2 and 3)**

Agenda Item 3:

To discuss and approve department elective and open elective subjects to be offered by the department for B Tech V and VI semester for batch admitted in 2022-23

Resolution Item 3:

The proposed departmental elective and open elective subjects discussed and approved. It is informed in the meeting that elective subjects are being included as per the latest trends in Industry 4.0. Experts suggested in the meeting that such more subjects like hydrogen energy, modern machining etc should be proposed as electives in final year scheme. **(Annexure 4)**

Agenda Item 4:

To discuss and suggest necessary inclusion/exclusion in the provisional syllabus of departmental electives for B Tech V and VI semester for batch admitted in 2022-23

Resolution Item 4:

The syllabus for the elective subjects as approved in agenda 3, discussed and approved for implementation from session 2024-25. (**Annexure 5**)

Agenda Item 5:

To review and recommend the list of experiments/ Lab manual for various laboratory courses to be offered in IV Semester for the batch admitted in 2022-23.

Resolution Item 5:

The suggestive list of experiments for IV semester subjects discussed and approved for implementation from upcoming even semester 2023-24. IT is suggested that the list should be extended by incorporating new experiments keeping in view availability of related equipments in the laboratories.**(Annexure 6)**

Agenda Item 6:

To discuss and approve proposed changes in syllabus of existing subjects.

Resolution Item 6:

All the proposed changes in the existing syllabus of a few subjects are discussed and reviewed. It is observed that the changes are very minor(up to 5 percent). All the proposed changes are approved for implementation from next semester. (**Annexure 7)**

Agenda Item 7:

To discuss and approve Holistic Education Courses (non credit)

Resolution Item 7:

Two holistic courses (non credit) and their contents discussed and approved to be implemented as non credit course for implementation from next semester. It is suggested that such more courses be included for the purpose of value addition and holistic education.

        (i)   Green and Clean Energy
        (ii)   Role and Responsibility of an engineer

Agenda Item 8:

To prepare and finalize the courses to be offered for the batch admitted in 2020-21)under Departmental Elective (DE) Course/ Open Category (in traditional mode)/NPTEL (Course weeks equivalent credit 8 weeks=3 credits, 12 weeks = 4 credits, NO credits for courses of less than 8 weeks) for B. Tech VIII Semester along with their COs

Resolution Item 8:

Equivalent NPTEL courses for existing elective courses for B Tech VIII semester were presented in the meeting. Equivalency of NPTEL courses found to be in line with the existing elective subjects. Hence it resolved that a students can opt for the equivalent NPTEL course and credit may be transferred subject his/her passing the NPTEL examination in the concerned subject(s)**.(Annexure 8)**

Agenda Item 9:

To review the result of last semester of II,IV,VI and VIII semester and to record suggestions, if any

Resolution Item 9:

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.

It is observed that IV semester average CGPA is less as compared to average CGPA of other semester. This should be looked in to by the institute authorities

Agenda Item 10:

To review the CO attainments, to identify gaps and to suggest corrective measures for the improvement in the CO attainment levels for **Jan. –June 2023**.

Agenda Item 11:

To review PO attainment 2019-2023 batches, CO-PO mapping matrix with attainments and gap analysis

Resolution Item 10 and 11:

 The course outcome attainment presented in the meeting and in line with the result they found to be satisfactory. It is suggested that benchmark level be increased in each successive year so as to achieve greater learning objectives.

The PO attainments of some of the subjects were presented in the meeting and appear to be satisfactory. It is suggested that calculation consistency be maintained for all the subjects. The chairman assured that a complete and consistent PO attainment will be presented in the next BOS meeting.

Agenda Item 12:

To review curricula feedback from various stakeholders, its analysis and impact.

Resolution Item 12:

Curriculum feedback received from various stakeholders reviewed in the meeting and observed that most of the suggestions have been implemented. However it is suggested that the feedback should have been broad based and there should be greater participation from the stake holders particularly alumni.

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	Gopal Deshmukh
Sanjay Katarey	J. Parashar	