

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Reference: Apps./2022/

Date: 2<sup>nd</sup> June 2023

**Minutes of the Meeting of the Board of Studies**

A meeting of the Board of Studies of Department of Applied Science (Physics) was held on 2<sup>nd</sup> June 2023. The following members were present:

S.No.	Name	Affiliation
1.	Dr. Anjula Gaur (Chairman, BOS)	Head of the Department, Department of Applied Science MITS, Gwalior
2.	Dr. Pankaj Shrivastava (Subject expert)	Professor, Department of Physics, ABV IITM, Gwalior.
3.	Dr. Abhay Mishra (Member)	Professor, Department of Applied Science (Physics)
4.	Dr. Ashok Kumar Sharma (Member)	Assistant Professor, Department of Applied Science (Physics)

The following deliberation took place in the meeting.

BoS Agenda Items							
ASC 1	To confirm the minutes of previous BoS meeting held in the month of December 2022  The minutes of previous Board of studies (BOS) meeting held on 15.12.2022 was presented, discussed and confirmed.						
ASC 2	To prepare and finalize the <b>scheme structure of B.Tech. VII Semester</b> with the provision of <i>Three Departmental Electives (DEs) (in which two Departmental Electives to be offered in online mode with credit transfer) and one Open Category (OC) Course for the batch admitted in 2020-21.</i> Not Applicable						
ASC 3	To prepare and finalize the syllabus of courses to be offered ( <i>for the batch admitted in 2020-21</i> ) under <b>Departmental Elective (DE) Course</b> (in traditional mode) for B. Tech. <b>VII Semester</b> along with their COs Not Applicable						
ASC 4	To propose the list of courses which the students can opt from SWAYAM/NPTEL/MOOC based Platforms, to be offered in <b>online mode under Departmental Elective (DE) Courses</b> , with credit transfer in the B. Tech. <b>VII Semester under the flexible curriculum (for the batch admitted in 2020-21)</b> Not Applicable						
ASC 5	To prepare and finalize the syllabus of courses to be offered ( <i>for the batch admitted in 2020-21</i> ) under the <b>Open Category (OC) Courses</b> (in traditional mode) for B. Tech. <b>VII semester</b> students of other departments along with their Cos  The syllabus of courses to be offered ( <i>for the batch admitted in 2020-21</i> ) under the <b>Open Category (OC) Courses</b> (in traditional mode) for B. Tech. <b>VII semester</b> students of other departments along with their Cos. Were discussed and recommended as per the following details. The detail syllabi (along with their Cos) are annexed as <b>Annexure-I</b>						
	<table border="1"> <thead> <tr> <th>S.No.</th> <th>Subject code</th> <th>Subject name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(910128)</td> <td>Laser Technology and its Application in Engineering</td> </tr> </tbody> </table>	S.No.	Subject code	Subject name	1	(910128)	Laser Technology and its Application in Engineering
S.No.	Subject code	Subject name					
1	(910128)	Laser Technology and its Application in Engineering					
ASC 6	To prepare and finalize the Experiment list/ Lab manual for Departmental Laboratory Course (DLC) to be offered in B. Tech. VII semester ( <i>for the batch admitted in 2020-21</i> ) Not Applicable						

Minutes of the Meeting of the Board of Studies (BOS) in Applied Science held on 2<sup>nd</sup> June 2023

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ASC 7	To propose the list of "Additional Courses" which can be opted for getting an (i) <b>Honours (for students of the host department)</b> (ii) <b>Minor Specialization (for students of other departments)</b> [These will be offered through SWAYAM/NPTEL/MOOC based Platforms for the B.Tech. VII semester students (for the batch admitted in 2020-21)] and for B.Tech. V semester (for the batch admitted in 2021-22)] Not Applicable
ASC 8	To prepare and recommend the <b>scheme structure of B.Tech. V Semester under the flexible curriculum</b> (for the Batch admitted in 2021-22) Not Applicable
ASC 9	To prepare and recommend the syllabi for all <b>Departmental Core (DC) Courses of B. Tech. V Semester (for the batch admitted in 2021-22)</b> under the flexible curriculum along with their COs. Not Applicable
ASC 10	To prepare and recommend the suggestive Experiment list/ Lab manual and list of projects which can be assigned under the 'Skill based mini-project' category in various laboratory component based courses to be offered in B. Tech. V Semester (for the batch admitted in 2021-22). Not Applicable
ASC 11	To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for the batch admitted in 2021-22) in online mode under <b>Self-Learning/ Presentation</b> , in the B. Tech. V Semester Not Applicable
ASC 12	To review, prepare, finalize and recommend the <b>Scheme &amp; Syllabi (along with the Course Outcomes) of III semester B. Tech. programmes (for the batch admitted 2022-23 Session)</b> Not Applicable
ASC 13	To review, prepare, finalize and recommend the list of experiments/ Lab manual and skill based mini projects for various laboratory courses to be offered in III Semester (for the batch admitted in 2022-23).  The experiment list /lab manual for the laboratory courses for III semester were discussed and finalized. The same is annexed as Annexure-III
ASC 14	To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for the batch admitted in 2022-23) in online mode under <b>Self-Learning/ Presentation</b> , in the III Semester Not Applicable
ASC 15	<b>To Review, prepare and recommend the scheme structure, Syllabi (along with the Course Outcomes), list of experiments/ Lab manual and skill based mini projects for various laboratory courses of I semester B. Tech. programmes (for the batch admitted in 2023-24 Session)</b> The scheme, Syllabi (along with the Course Outcomes), list of experiments and skill based mini projects of I semester B. Tech. I & II semester were discussed and recommended in its present form for further approval in academic council same is annexed as Annexure-II and Annexure-III
ASC 16	<b>To review the CO attainments, to identify gaps and to suggest corrective measures for the improvement in the CO attainment levels for July-Dec 2022.</b>  The attainment level of all the courses pertaining to July- Dec. 2022 was presented. In continuation it was discussed that the course where the set target has not been attained should be critically analyzed to identify the difficulty level and other causes. The analysis must be followed by corrective measures such as remedial classes, extra quizzes, additional assignments and interaction with students for possible improvement. The same is annexed as Annexure IV
ASC 17	To review PO attainment of 2018-2022 batch, CO-PO mapping matrix with attainments and gap analysis Not Applicable
ASC 18	To prepare and recommend the syllabi of Mandatory Audit Course: Universal Human Values & Professional Ethics (UHVPE). (at institute level) Not Applicable
ASC 19	To review curricula feedback from various stakeholders, its analysis and impact {Stakeholder feedback analysis must also contain an Action Taken Report (ATR) and the details/data of the stakeholders who have responded through GOOGLE form (such as Name, organization, mail id, phone no., if available) must also be shared along with the feedback of the alumni/employer}
ASC 20	To review the Course Outcomes (COs) feedback of various courses, its analysis, and ATR (for July -Dec. 2022 semester) Annexure V
ASC 21	To discuss and recommend the scheme structure & syllabi of PG Programme (M.E./M.Tech./MCA/MBA) along with their Course Outcomes (COs) Not Applicable

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ASC 22	To recommend the scheme structure and Syllabus of Ph.D. Course Work (specific to Doctoral Research Scholars, if any) Not Applicable
ASC 23	Any other matter

Suggestions given by the external expert / member

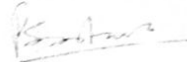
Experts suggest that the credits of the Engineering Physics should be increased and mode of exam should be pen paper  
The meeting ended with the vote of thanks to all the members.



Dr. Ashok Kumar Sharma  
(Member)



Dr. Abhay Mishra  
(Member)



Dr. Pankaj Shrivastava  
(Subject expert)



Dr. Anjula Gaur  
Head of the Department

