

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

## BoS Agenda Items May 2023

Item 1	To confirm the minutes of previous BoS meeting held in the month of December 2022  <i>The minutes of previous BOS held on 14 Dec 2022 has been finalized.</i>			
Item 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 one Departmental Elective is to be offered in online mode with credit transfer) and one Open Category (OC) Course</i> for the batch admitted in 2020-21.  <i>Scheme Structure of B.Tech VII Semester with provision of Three Departmental Electives and One Open Category courses has been discussed and finalized. <a href="#">AnnexureI</a></i>			
Item 3	To prepare and finalize the syllabus of courses to be offered ( <i>for 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  <i>Following Subjects have been finalized as Departmental Electives to be offered through traditional teaching mode and their Syllabi are given in <a href="#">AnnexureII</a></i>			
	S.No	Category	Subject Code	Subject Name
	1	DE-II	200711	Satellite & Radar Communication
	2	DE-II	200714	Antenna and Wave Propagation
	3	DE-II	200715	Embedded Systems and Design
Item 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 (Batch admitted in 2020-21)</b>  <i>The list of courses which the students can opt from SWAYAM/NPTEL/MOOC based Platforms, to be offered in online mode under Departmental Elective (DE) Course, with credit transfer in the B.Tech. VII Semester under the flexible curriculum has been discussed and finalized. <a href="#">AnnexureIII</a></i>			
	S.No	Category Code	Course Code	Name of The course
	1	DE-III	200754	Microwave Engineering
			200755	An Introduction to Coding Theory
	2	DE-IV	200762	Fibre Optic Communication Technology
200763			Pattern Recognition and Applications	
Item 5	To prepare and finalize the syllabus of courses to be offered ( <i>for 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 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 has been discussed and finalized. <a href="#">AnnexureIV</a>			
	S.No	Category	Subject Code	Subject Name
	1	OC-II	900206	Satellite Systems
	2	OC-II	900207	Consumer Electronics
	Item 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 batches admitted in 2020-21</i> )  <i>The Experiment list/ Lab manual for Departmental Laboratory Course (DLC) to be offered in B.Tech. VII semester has been finalized and approved by BOS members <a href="#">AnnexureV</a></i>		
S.No		Category	Subject Code	Subject Name
1		DLC	200703	Creative Problem Solving
2		DLC	200704	Embedded System Lab

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Item 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. <b>VII semester students</b> (for the batch admitted in 2020-21)] and for B.Tech. <b>V semester</b> (for the batch admitted in 2021-22)] <a href="#">AnnexureVI</a>				
	Semester	Hons/Minor	Domain	Subject Name	
	V	Hons	Communication and Signal Processing	Principles and Techniques of Modern Radar Systems	
			VLSI Design	Hardware modeling using verilog	
		Minor	Control & Sensor Technology	Control System	
			Communication and Signal Processing	Introduction to Wireless and Cellular Communications	
	VII	Hons		Data Science for Engineer	
				Design of Photovoltaic Systems	
		Minors		Microwave Engineering	
				Control Engineering	
Item 8	To prepare and recommend the <i>scheme structure of B.Tech. V Semester under</i> the flexible curriculum (Batch admitted in 2021-22) <i>The scheme structure of B.Tech. V Semester under the flexible curriculum (Batch admitted in 2021-22) has been discussed and finalized.</i> <a href="#">AnnexureVII</a>				
Item 9	To prepare and recommend the syllabi for all <b>Departmental Core (DC) Courses</b> of B.Tech. <b>V Semester (for batch admitted in 2021-22)</b> under the flexible curriculum along with their COs. <i>The syllabi for all Departmental Core (DC) Courses of B.Tech. V Semester (for batch admitted in 2021-22) under the flexible curriculum along with their COs has been discussed and finalized.</i> <a href="#">AnnexureVIII</a>				
	S.No	Category	Subject Code	Subject Name	
	1	DC	200511	Data Science	
	2		200512	Microprocessor and Interfacing	
			200515	Electromagnetic Fields	
	3		200519	Data Communication	
	4		200520	Digital Signal Processing	
Item 10	To prepare and recommend the suggestive Experiment list/ Lab manual and the 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 batch admitted in 2021-22) <i>The Experiment list/ Lab manual for all the Laboratory Courses to be offered in B.Tech.V semester (for batch admitted in 2021-22) has been discussed and finalized.</i> <a href="#">AnnexureIX</a>				
	S.No	Category	Subject Code	Subject Name	
	1	DC	200511	Data Science	
	2	DC	200512	Microprocessor and Interfacing	
	3	DLC	200516	Minor Project-I	
	Item 11	To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for batch admitted in 2021-22) in online mode under <b>Self-Learning/ Presentation</b> , in the B.Tech. <b>V Semester</b> <i>The list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for batch admitted in 2021-22) in online mode under Self-Learning/ Presentation, in the B.Tech. V Semester has been finalized with the concern of the BOS members.</i> <a href="#">AnnexureX</a>			
		S.No	Semester	Subject Category	Subject Name
1		V	Self Learning	Demystifying Networks	04
2				Basics of Software defined Radios and Practical applications	04
3				Foundation of Cognitive robotics	04

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	To review, prepare, finalize and recommend the <i>Scheme &amp; Syllabi (along with the Course Outcomes) of III semester B. Tech. programmes (batch admitted 2022-23 Session)</i>				
	<i>Scheme &amp; Syllabi (along with the Course Outcomes) of III semester B. Tech. programmes (batch admitted 2022-23 Session) has been discussed and finalized. <a href="#">AnnexureXI</a></i>				
Item 12	S.No	Category	Subject Code	Subject Name	
	1	DC	2200320	Analog Communication	
	2		2200322	Analog Integrated Circuits	
	3		2200323	Communication Network	
	4		2200324	Data Communication	
Item 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 ( <i>for the batch admitted in 2022-23</i> ).				
	<i>The list of experiments/ Lab manual and skill based mini projects for various laboratory courses to be offered in III Semester has been discussed and finalized. <a href="#">AnnexureXII</a></i>				
	S.No	Category	Subject Code	Subject Name	
	1	DC	2200320	Analog Communication	
	2		2200322	Analog Integrated Circuits	
3	2200321		Hardware Lab		
Item 14	To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered ( <i>for batches admitted in 2022-23</i> ) in online mode under <i>Self-Learning/ Presentation</i> , in the <i>III Semester</i>				
	The list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered ( <i>for batches admitted in 2022-23</i> ) in online mode under <i>Self-Learning/ Presentation</i> , in the <i>III Semester has been discussed and finalized. <a href="#">AnnexureXIII</a></i>				
	S.No	Semester	Subject Category	Subject Name	Duration (weeks)
	1	III	Self Learning	C Programming and assembly language	04
	2			Fundamentals of Electronics Device Fabrication	04
3	Python for Data Science			04	
Item 15	To review, prepare, recommend the <i>Scheme structure &amp; Syllabi (along with their course outcomes), list of experiments/lab manuals and skill based mini projects for various laboratories courses of I semester B. Tech. programmes(for the batch 2023-24 session).</i>				
	<i>The scheme, Syllabi, list of experiments and skill based mini projects of First semester of the B. Tech. programme (for the batch 2023-24) has been finalized. <a href="#">AnnexureXIV</a></i>				
	S.No	Category	Subject Code	Subject Name	
	1.	DC	3200121	Electronic Engineering Materials	
	2.	DC	3200122	Electronic Devices	
3.	DC	3200123	Network Theory		
4.	DLC	3200124	Devices & Network Lab		
Item 16	To review the CO attainments, to identify gaps and to suggest corrective measures for the improvement in the CO attainment levels for July-December 2022.				
	<i>The review of the CO attainments, gaps and corrective measures for the improvement in the CO attainment levels July-December 2022 has been finalized as per the discussion with BOS members</i>				
Item 17	To review PO attainment of 2018-2022 batch, CO-PO mapping matrix with attainments and gap analysis				
	<i>The PO attainment of 2018-2022 batch, CO-PO mapping matrix with attainments and gap analysis has been discussed and finalized.</i>				
Item 18	To prepare and recommend the syllabi of Mandatory Audit Course: Universal Human Values & Professional Ethics (UHVPE). (at institute level)				

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	Not applicable
Item 19	<p>To review curricula feedback from various stakeholders, its analysis and impact</p> <p>{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}</p> <p><i>Curricula feedback from various stack holders includes students, faculty, employer and alumni has been discussed and action taken report has been finalized.</i></p>
Item 20	<p>To review the Course Outcomes (COs) feedback of various courses, its analysis, and ATR (for July-Dec 22 semester)</p> <p><i>The Course Outcomes (COs) feedback of various courses, its analysis, and ATR has been discussed and approved by BOS members.</i></p>
Item 21	<p>Any other matter (Expert List)</p> <p><i>Expert list for viva-voce examination has been discussed and finalized.</i></p>

The following suggestions were provided by the external BOS members:

1. As per the suggestion given by external members, syllabus of Communication network and data communication has been modified
2. As suggested by the external member, the list of experiments of Data Science and Python Programming has been modified.