

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous Institute, Affiliated to RGPV, Bhopal (M.P.) India)

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The following deliberations were made as per the items of circulated agenda:

BoS Agenda Items Dec 2023				
Item 1	To confirm the minutes of previous BoS meeting held in the month of May-June 2023. The minutes of previous BOS held on 31st May 2023 has been finalized.			
Item 2	The examination committees constituted vide Dean Academics Notice no 1332 dated 20/4/2021 need to be reconstituted this year. As per dean academic notice no DA/MP/23/69 dated 01/11/2023 /Examination committee is reconstituted. Annexure I			
Item 3	To propose the scheme structure of VIII Semester with the provision of ONE DE & ONE OC course to be offered in online mode with credit transfer for the batch admitted in academic year 2020-21. (The total credits from I-VIII semester should not be less than 160 for this batch). Scheme Structure of B.Tech VIII Semester with provision of one Departmental Electives and One Open Category courses has been discussed and finalized. Annexure II			
Item 4	To propose the list of courses which the students can opt from SWAYAM/NPTEL/ other MOOC Platforms/ Institution (MITS) MOOC, to be offered in online mode under Departmental Elective (DE) category courses (DE-5) and open category (OC3) for credit transfer in the VIII Semester under the flexible curriculum (Batch admitted in academic year 2020-21). 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 (DE-5) and open category (OC-3) for credit transfer in the B.Tech. VIII Semester under the flexible curriculum has been discussed and finalized. Annexure III			
Item 5	To propose the list of “Additional Courses” which can be opted for getting an (i) Honours (for students of the host department) (ii) Minor Specialization (for students of other departments) [These will be offered through SWAYAM/NPTEL/MOOC based Platforms for the B.Tech. VIII semester students (for the batch admitted in 2020-21)] and for B.Tech. VI semester (for the batch admitted in 2021-22)] The list of courses which the students can opt from SWAYAM/NPTEL/MOOC based Platforms, to be offered in online mode under Honors and Minors category has been discussed and finalized. Annexure IV			
	Semester	Hons/ Minor	Domain	Subject Name
	VI	Honors	Communication and Signal Processing	1. An Introduction to Information Theory 2. Communication Networks
			VLSI Design	1. Analog IC design 2. Integrated Circuits, MOSFETs, OP-Amps and their Applications
			Nano-Technology	1. Surface Engineering of Nanomaterials 2. A brief introduction of Micro - Sensors

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		Minors	Control & Sensor Technology	1. Microprocessors and Microcontrollers 2. Network Analysis
			Communication and Signal Processing	1. Communication Networks 2. Fundamentals Of MIMO Wireless Communication
	VIII	Honors	Communication and Signal Processing	1. An Introduction to Information Theory 2. Computer Vision and Image Processing- Fundamentals and Applications
			VLSI Design	1. Microwave Integrated Circuits 2. Integrated Circuits, MOSFET, OP-Amps and their Applications
		Minors	Control & Sensor Technology	1. Control And Instrumentation 2. Optical Fiber Sensors
			Communication and Signal Processing	1. Signal Processing Techniques and its Applications 2. Computer Vision and Image Processing- Fundamentals and Applications
Item 6	To review and finalize the scheme structure of B.Tech VI Semester under the flexible curriculum (Batch admitted in 2021-22) The scheme structure of B.Tech. VI Semester under the flexible curriculum (Batch admitted in 2021-22) has been discussed and finalized. Annexure V			
Item 7	To review & finalize the syllabi for all Departmental Core Courses (DC) and Mandatory Course (MC) of B. Tech VI Semester (for batch admitted in 2021-22) under the flexible curriculum along with their COs. The syllabi for all Departmental Core (DC) Courses of B.Tech. VI Semester (for batch admitted in 2021-22) under the flexible curriculum along with their COs has been discussed and finalized. Annexure VI			
	S. No	Category	Subject Code	Subject Name
	1	DC	200619	Mobile Communication & 5G Networks
	2		200616	VLSI Design
Item 8	To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered (for batches admitted in 2021-22) in online mode under Departmental Elective (DE-1) Course with credit transfer, in the VI Semester.			

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	The list of courses from SWAYAM/NPTEL/MOOC Platforms, to be offered (for batches admitted in 2021-22) in online mode under Departmental Elective (DE-1) Course for credit transfer in the VI Semester has been discussed and finalized. Annexure VII			
Item 9	To review and finalize the courses & syllabi to be offered (for batch admitted in 2021-22) under the Open Category (OC) Courses (in traditional mode) for VI semester students of other departments along with their COs.			
	The list of courses & syllabi to be offered (for batch admitted in 2021-22) under the Open Category (OC) Courses (in traditional mode) for VI semester students of other departments along with their Cos has been discussed and finalized. Annexure VIII			
	S. No	Category	Subject Code	Subject Name
	1	OC-1	900116	Embedded Systems
Item 10	2	OC-1	900117	Intelligent Control
	To review and finalize the Experiment list/ Lab manual for all the Laboratory Courses to be offered in B.Tech.VI semester (for batch admitted in 2021-22).			
	Experiment list/ Lab manual for all the Laboratory Courses to be offered in B.Tech.VI semester (for batch admitted in 2021-22) has been discussed and finalized. Annexure IX			
	S. No	Category	Subject Code	Subject Name
	1	DC	200616	VLSI Design
Item 11	2	DC	200617	Artificial Intelligence & Machine Learning
	3	DLC	200618	Minor Project-II
	To review and finalize the suggestive list of projects which can be offered under the 'Skill based mini-project' category in various laboratory components based courses to be offered in B.Tech. VI Semester (for the batch admitted in 2021-22).			
	The suggestive list of projects which can be offered under the 'Skill based mini-project' category in various laboratory components based courses to be offered in B.Tech. VI Semester (for the batch admitted in 2021-22) has been discussed and finalized. Annexure X			
	S. No	Category	Subject Code	Subject Name
Item 12	1	DC	200616	VLSI Design
	2	DC	200617	Artificial Intelligence & Machine Learning
	To review and finalize the scheme and syllabi of B. Tech. IV Semester (for batch admitted in 2022-23) under the flexible curriculum along with their COs.			
	The scheme structure and syllabi of B.Tech. IV Semester (for batch admitted in 2022-23) under the flexible curriculum has been discussed and finalized. Annexure XI			

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Item 13	<p>To review and finalize the Experiment list/ Lab manual for all the Laboratory Courses to be offered in Batch IV semester (for batch admitted in 2022-23)</p> <p>The Experiment list/ Lab manual for all the Laboratory Courses to be offered in Batch IV semester (for batch admitted in 2022-23) has been discussed and finalized. Annexure XII</p> <table><tr><th>S. No</th><th>Category</th><th>Subject Code</th><th>Subject Name</th></tr><tr><td>1</td><td>DC</td><td>2200411</td><td>Digital Communication</td></tr><tr><td>2</td><td>DC</td><td>2200413</td><td>Microprocessor and Interfacing</td></tr><tr><td>3</td><td>DLC</td><td>2200414</td><td>Software Lab</td></tr></table>	S. No	Category	Subject Code	Subject Name	1	DC	2200411	Digital Communication	2	DC	2200413	Microprocessor and Interfacing	3	DLC	2200414	Software Lab
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1	DC	2200411	Digital Communication														
2	DC	2200413	Microprocessor and Interfacing														
3	DLC	2200414	Software Lab														
Item 14	<p>To review and finalize the suggestive list of projects which can be offered under the ‘Skill based mini-project’ category in various laboratory components based courses to be offered in B. Tech IV Semester (for the batch admitted in 2022-23).</p> <p>The suggestive list of projects which can be offered under the ‘Skill based mini-project’ category in various laboratory components based courses to be offered in B. Tech IV Semester (for the batch admitted in 2022-23) has been discussed and finalized. Annexure XIII</p> <table><tr><th>S. No</th><th>Category</th><th>Subject Code</th><th>Subject Name</th></tr><tr><td>1</td><td>DC</td><td>2200411</td><td>Digital Communication</td></tr><tr><td>2</td><td>DC</td><td>2200413</td><td>Microprocessor and Interfacing</td></tr><tr><td>3</td><td>DLC</td><td>2200414</td><td>Software Lab</td></tr></table>	S. No	Category	Subject Code	Subject Name	1	DC	2200411	Digital Communication	2	DC	2200413	Microprocessor and Interfacing	3	DLC	2200414	Software Lab
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1	DC	2200411	Digital Communication														
2	DC	2200413	Microprocessor and Interfacing														
3	DLC	2200414	Software Lab														
Item 15	<p>To review and finalize the scheme and syllabi of B. Tech. II Semester (for batch admitted in 2023-24) under the flexible curriculum along with their COs.</p> <p>The scheme and syllabi of B. Tech. II Semester (for batch admitted in 2023-24) under the flexible curriculum along with their Cos has been discussed and finalized. Annexure XIV</p>																
Item 16	<p>To review and finalize the Experiment list/ Lab manual for all the Laboratory Courses to be offered in Batch II semester (for batch admitted in 2023-24)</p> <p>The Experiment list/ Lab manual for all the Laboratory Courses to be offered in Batch II semester (for batch admitted in 2023-24) has been discussed and finalized. Annexure XV</p> <table><tr><th>S. No</th><th>Category</th><th>Subject Code</th><th>Subject Name</th></tr><tr><td>1</td><td>DC</td><td>3200221</td><td>Digital Circuits &Systems</td></tr><tr><td>2</td><td>DC</td><td>3200222</td><td>Electronics Circuits</td></tr><tr><td>3</td><td>DC</td><td>3200224</td><td>Python Programming</td></tr></table>	S. No	Category	Subject Code	Subject Name	1	DC	3200221	Digital Circuits &Systems	2	DC	3200222	Electronics Circuits	3	DC	3200224	Python Programming
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1	DC	3200221	Digital Circuits &Systems														
2	DC	3200222	Electronics Circuits														
3	DC	3200224	Python Programming														
	<p>To review and finalize the suggestive list of projects which can be offered under the ‘Skill based mini-project’ category in various laboratory components based courses to be offered in B. Tech IV Semester (for the batch admitted in 2023-24).</p> <p>The suggestive list of projects which can be offered under the ‘Skill based mini-project’ category in various laboratory components based courses to be offered in B. Tech IV Semester (for the batch admitted in 2023-24) has been discussed and finalized. Annexure XVI</p> <table><tr><th>S. No</th><th>Category</th><th>Subject Code</th><th>Subject Name</th></tr></table>	S. No	Category	Subject Code	Subject Name												
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Item 17	1	DC	3200221	Digital Circuits & Systems
	2	DC	3200222	Electronics Circuits
	3	DC	3200224	Python Programming
Item 18	To review the CO attainments, identify gaps and suggest corrective measures for the improvement in the CO attainment levels for the courses taught in Jan-June 2023 Session. The review of the CO attainments, gaps and corrective measures for the improvement in the CO attainment for the courses taught in July-December 2023 has been finalized as per the discussion with BOS members.			
Item 19	To review the PO attainment, CO-PO mapping matrix and action to be taken to improve PO attainment level. The PO attainment of 2019-2023 batch, CO-PO mapping matrix with attainments and gap analysis has been discussed and finalized.			
Item 20	To review curricula feedback from various stakeholders, its analysis and impact. Curricula feedback from various stack holders includes students, faculty, employer and alumni has been discussed and action taken report has been finalized.			