

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Department of Electrical Engineering

Date: 16-04-2022

In partial modification to Order No. DA/MP/2021/1297, dated 15/04/2021 from the office of the Dean Academics, following Course Committees are being formed for various course tracks.

The role of the course committee is to assure/review/analysis and prepare the following documents for the assigned courses: -

1. Quality improvement in teaching-learning evaluation for the assigned courses
2. Review/Framing of Course outcomes for each course taken by the faculty
3. Review of direct/indirect CO attainment
4. Collection and analysis the CO feedback from students
5. Analysis of stakeholders (alumni, employer, parent) feedback on curriculum
6. Preparing ATR based on the above; suggesting syllabus revision & suggestions for actions to be taken for curriculum revision/proposing new courses/curriculum development
7. Compilation of all documents and presenting in BoS meeting

I. Power & Energy

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhvani (HoD) 2. Dr. Shishir Dixit (Subject Expert-1) 3. Dr. Himmat Singh (Subject Expert-2) 4. Prof Nikhil Paliwal (Subject Expert-3) 5. Prof. Bhavna Rathore (Subject Expert-4) 6. Prof Saurabh K Rajput (OBE Coordinator)	Even	Power System I	130404
		Switchgear & Protection +Lab	130601
		Computer Aided Power System Analysis	130611
		Solar PV System: Design & Economics	130614
		Power Quality and FACTS Controllers	580114
		Smart Grid Technology	580115
		Renewable Energy Lab	130415
	Odd	Power System II	130502
		Renewable Energy System	130712
		IoT in Micro Grid	130713
		Energy Conservation & Management	900103

II. Power Electronics, Electrical Machines & Drives

Faculty	Semester	Courses in the Track	
		Subject name	Subject Code
1. Dr. Sulochana Wadhvani (HoD) 2. Prof Ashis Patra (Subject Expert-1) 3. Prof Praveen Bansal (Subject Expert-2) 4. Prof. Ankit Tiwari (Subject Expert-3) 5. Prof Manoj Kumar (Subject Expert -4) 6. Prof Nipun Gupta (OBE Coordinator)	Even	Electrical Machines-I + Lab	130402
		Power Electronics	220204
		Electrical Machines Modelling and Drives	580212
		Power Electronics Converters	580112
	Odd	Electrical Machine – II +Lab	130503
		Power Electronics +Lab	130504
		Electric Drives +Lab	130711
		Electric Vehicle	900217
		Application of Electrical equipment & Motors	900205
		Semiconductor Controlled Drives	580211

III. Control & Instrumentation

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhvani (HoD) 2. Dr A. K. Wadhvani (Subject Expert-1) 3. Dr Vikram (Subject Expert-2) 4. Dr. Yashwant Sawle (Subject Expert-3) 5. Prof Kuldeep K. Swarnkar (Subject Expert & OBE Coordinator)	Even	Sensor Technology+ Lab	220202
		Control System	130403
		Transducers & Sensors	130613
		Industrial Automation	130612
		Biomedical Instrumentation	900115
	Odd	Industrial Instrumentation	
		Electronic Measurement & Instrumentation +Lab	130303
		Fundamentals of Signals & Control Systems	220203
		Signals & Systems	130501
		Intelligent Sensors and Instrumentation	130714
Intelligent Control Techniques	900115		

IV. Electrical & Electronics Fundamentals

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhvani (HoD) 2. Prof Rakesh Narvey (Subject Expert-1) 3. Dr Vijay Bhuria (Subject Expert-2) 4. Prof Kuldeep K. Swarnkar (Subject Expert-3 + OBE Coordinator) 5. Prof Vishal Choudhary (Subject Expert-4) 6. Dr Vikram (Subject Expert-4) 7. Prof Bhavna Rathore	Even	Basic Electrical & Electronics Engineering	100022
		Digital Electronics & Microprocessor +Lab	130401
		Electrical Engineering Materials	130212
		Microprocessor & Embedded Systems + Lab	220404
	Odd	Basics of Internet of Things	220101
		Basic Electrical & Electronics Engineering	100022
		Digital Electronics & Logic Design	220201
		Electromagnetic Field Theory	130301
		Network Analysis	130303
		Analog Electronics + Lab	130304

V Project, Internship and Seminar

Faculty	Semester	Courses in the Track	
		Subject name	Subject Code
1. Dr. Sulochana Wadhvani (HoD) 2. Dr Vijay Bhuria (Subject Expert-1) 3. Prof Praveen Bansal (Subject Expert-2) 4. Dr Vikram (Subject Expert-3) 5. Prof. Ankit Tiwari (Subject Expert-4) 6. Prof Manoj Kumar (Subject Expert-5) 7. Prof Saurabh K Rajput (Subject Expert-4+ OBE Coordinator)	Even	Mini-Project	130112
		Skill Based Mini Projects	--
		Electrical Workshop	130213
		Minor Project-II	130603
	Odd	Summer Internship-I	130309
		Summer Internship-III/ Finishing School	130506
		Minor Project-I	130505
		Creative Problem Solving	130703
Internship/Project			


VI. Software Lab

Faculty	Semester	Courses in the Track	
		Subject name	Subject Code
1. Dr. Sulochana Wadhvani (HoD) 2. Prof. Bhavna Rathore (Subject Expert-1) 3. Prof Rahul Sagwal (Subject Expert-2) 4. Prof Nipun Gupta (OBE Coordinator)	Odd	Programming and Simulation lab	220305
		Software Lab-I	130305
		Systems & Drives Lab I	
		Creative Problem Solving Lab	130703
	Even	Software Lab-II	130405
		Programming with Python	130414
Systems & Drives Lab -II	580216		

Mandatory Courses

Faculty	Courses in the Track	
	Subject Name	Subject Code
1. Dr. Sulochana Wadhwani (HoD)	Energy, Environment, Ecology & Society	100015
2. Prof Ashis Patra (Subject Expert-1)		
3. Prof. Rakesh Narvey (Subject Expert-2)	Disaster Management	100007
4. Prof. Rahul Sagwal	Cyber Security	100009
5. Nipun Gupta (OBE Coordinator)	Intellectual Property Rights	100008

Note: All the above documentation must be a part of the BoS files of the department


Dr. Sulochana Wadhwani
Prof. & Head, EED

Copy to:

1. Concerned faculty for necessary action
2. Office, Dean Academics
3. Department Office File