

Department of Electrical Engineering , MITS Gwalior
Course-Committee

Date: 06.08.2023

I. Power & Energy

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Shishir Dixit (SubjectExpert-1) 2. Dr. Himmat Singh (SubjectExpert-3) 3. Dr. Nikhil Paliwal (SubjectExpert-4) 4. Dr. Yashwant Sawle (SubjectExpert-3) 5. Prof Kuldeep K. Swarnkar (OBE Coordinator)	Odd	Power System-I	2130313
		Economic Operations And Control Of Power Systems	130762
		Sustainable Power Generation Systems	130763
		Utilization of Electrical Energy	130717
	Even	Power System-II+Lab	2130412
		Renewable Energy System lab	3130414
		Switchgear & Protection + Lab	130615
		Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	130661
		Energy Conservation & Management	910104
		Renewable Energy Lab	2130416
		Non-conventional Energy Resources	130662

II. Power Electronics, Electrical Machines & Drives

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Prof Ashish Patra (SubjectExpert-1) 2. Prof Vishal Chaudhary (SubjectExpert-2) 3. Prof. Ankit Tiwari (SubjectExpert-3) 4. Prof Manoj Kumar (SubjectExpert-4) 5. Prof Kuldeep K. Swarnkar (OBE Coordinator)	Odd	Electrical Machines-I+ Lab	2130312
		Power Electronics+ Lab	2130514
		Analog & Digital Electronics+ Lab	2130314
		Electric Drives (DE)	130718
		Electric Drives lab	130720
		Electric Vehicle	130719
		Application of Electrical equipment & Motors	910205
	Even	Electrical Machine-II+ Lab	2130411
		Power Electronics +Lab	2130513
		Electric Drives + Lab	2130611

III. Control & Instrumentation

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhwani (Subject Expert & OBE Coordinator) 2. Dr A.K. Wadhwani (Subject Expert-2) 3. Prof Ashish Patra (SubjectExpert-3) 4. Dr Vikram (Subject Expert-4) 5. Dr Nikhil Paliwal (SubjectExpert-5)	Odd	Sensor Technology	910206
		Industrial Automation Lab	130721
		Signals & Systems	130511
	Even	Electrical & Electronics Measurement	3130203
		Biomedical Instrumentation	910105
		Industrial Automation	910106
		Control Systems	130616
		Industrial Automation and Control	130664

IV. Electrical & Electronics Fundamentals

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhwani (Subject Expert & OBE Coordinator) 2. Prof Rakesh Narvey (SubjectExpert-2) 3. Dr Vijay Bhuria (SubjectExpert-3) 4. Prof Vishal Choudhary (Subject Expert-4) 5. Dr Ankit Tiwari (SubjectExpert-5)	Odd	Basic Electrical & Electronics Engineering	3100022
		Electrical Engineering Materials	3130102
		Data Science	130515
		Electromagnetic Field Theory	2130311
	Even	Artificial Intelligence & Machine Learning + lab	130617
		Microprocessor & Embedded Systems	2130413
		Basic Electrical & Electronics Engineering	2100022
		Network Analysis	3130202

V. Project, Internship and Seminar

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhwani 2. Dr Vijay Bhuria (SubjectExpert-1) 3. Dr Vikram (SubjectExpert-3) 4. Prof. Ankit Tiwari (SubjectExpert-4) 5. Prof Manoj Kumar (SubjectExpert-5)	Odd	Summer Internship-I	130309
		Minor Project-I /Minor Project-II	130516/130618
		Self-learning/ Presentation	130315/130517
	Even	Summer Internship-III/Finishing School	130506

VI Software Lab

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhwani (Subject Expert & OBE Coordinator) 2. Dr Vikram (Subject Expert-2) 3. Dr Nikhil Paliwal (SubjectExpert-3)	Odd	Computer Programming + lab	2160112
	Even	Python Programming	2130121

Mandatory Courses

Faculty	Courses in the Track	
	Subject Name	Subject Code
1. Dr. Sulochana Wadhwani (Subject Expert & OBE Coordinator) 2. Prof. Rakesh Narvey (Subject Expert-1) 3. Dr. Vijay Bhuria (Subject Expert-2)	Environmental Engineering	3000003
	Disaster Management	1000006
	Cyber Security	1000009
	Intellectual Property Rights	1000007
	Project Management & Financing	1000005
	Indian Constitution & Traditional Knowledge	1000001

Sulochana
Dr. S. Wadhwani
Prof. & Head, EED

Rat