



## Department of Electrical Engineering

Date: 06.08.2024

### I. Power & Energy

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhwani 2. Dr. Shishir Dixit (SubjectExpert-1) 3. Dr. Himmat Singh (SubjectExpert-2) 4. Prof. Nikhil Paliwal (SubjectExpert-3)	Odd	Power System I	3130303
		Switchgear & Protection + Lab	2130514
		Utilization of Electrical Energy	130717
		Power Quality and FACTS Controllers DE	582412xx
		Distributed Generation & Micro Grids	58241209
		Renewable Energy Technology +Lab ME	58241111
	Even	Power System II	3130412
		Renewable Energy System lab	3130414
		Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	130661
		Energy Conservation & Management	910104
		Renewable Energy Lab	3130414
		Distribution Generation and Microgrids, Non-conventional Energy Resources	58241209 130662

### II. Power Electronics, Electrical Machines & Drives

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhwani 2. Prof. Ankit Tiwari (SubjectExpert-1) 3. Prof. Manoj Kumar (SubjectExpert-2) 4. Prof. Ankit Tiwari (SubjectExpert-3) 5. Prof. Manoj Kumar (SubjectExpert-4)	Odd	Electrical Machines-I+ Lab	3130302
		Power Electronics	2130513
		Analog & Digital Electronics	3130304
		Electric Drives lab	130720
		Advanced Electrical Drives	58241102
		Application of Power Elex. in Power System	58241104
		Electric Vehicle	130719
		Application of Electrical equipment & Motors	910205
	Even	Electrical Machine-II+Lab	3130411
		Power Electronics +Lab	2130513
		Electric Drives + Lab	2130611
		EV - Vehicle Dynamics and Electric Motor Drives	130666
		Advanced Power Electronics	58241201
		Design Of Power Electronic Converters	130665

### III. Control & Instrumentation

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhwani 2. Dr. A.K. Wadhwani (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)	Odd	Sensor Technology + Lab	910206
		Control System	2130512
		Industrial Automation	910106
		Modern Control Systems	58241103
		Biomedical Instrumentation	910105
		Industrial Automation Lab B.Tech	130721
		Signals & Systems	2130511
	Even	Electronic Measurement & Instrumentation +Lab	13241202
		Industrial Automation Lab	58241210
		Industrial Automation and Control	130664
		Industrial Instrumentation	58241203

#### IV. Electrical & Electronics Fundamentals

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr.SulochanaWadhvani 2. Prof RakeshNarvey( SubjectExpert-1) 3. Dr VijayBhuria (SubjectExpert-2 4. Prof Kuldeep K. Swarnkar (Subject Expert-3 + OBE Coordinator) 5. Prof Vishal Choudhary (Subject Expert-4) 6. Dr Vikram (SubjectExpert-4)	Odd	Basic Electrical & Electronics Engineering	13241105
		Electrical Engineering Materials	13241101
		Data Science	2130515
		Electromagnetic Field Theory	3130301
	Even	Artificial Intelligence & Machine Learning + lab	2130612
		Microprocessor & Embedded Systems	3130413
		Switching Theory and Logic Design	13241203
		Basic Electrical & Electronics Engineering	IT,CSE
		Network Analysis	13241201
		Microprocessor and Micro Controllers	58241202

#### V. Project, Internship and Seminar

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhvani 2. DrVijay Bhuria (SubjectExpert-1) 3. Dr Vikram (SubjectExpert-3) 4. Prof. AnkitTiwari (SubjectExpert-4) 5. Prof Manoj Kumar (SubjectExpert-5)	Odd	Skill Based Mini Projects	Theo.Subjects with labs
		Electrical Workshop	
		Minor Project-I	2130516
		Self-learning/ Presentation	2130517
		Micro Project-I	13241109
	Even	Summer Internship-I	
		Summer Internship-III/Finishing School	
		Minor Project-II	2130613
		Seminar/Presentation	58241211
		Skill Based Mini Projects	Theo.Subjects with labs
		Micro Project-II	13241209

#### VI Software Lab

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhvani	Odd	Computer Programming lab	13241106
		Software Lab-I	
		Systems & Drives Lab I	
		Creative Problem Solving Lab	
	Even	Software Lab-II	
		Problem solving through Python Programming	13241207
		Systems & Drives Lab-II	

#### Mandatory Courses

Faculty	Courses in the Track	
	Subject Name	Subject Code
1. Dr. Sulochana Wadhvani 2. Prof. Rakesh Narvey (Subject Expert-1) 3. Dr.Vijay Bhuria	Sustainability and Env. Science	13241212
	Disaster Management	1000006
	Cyber Security	3100009
	Intellectual Property Rights	1000007
	Universal Human Values and Prof. Ethics	13241111
	Project Management & Financing	1000005
	Indian Constitution & Traditional Knowledge	1000001

*Sulochana*  
Dr.S.Wadhvani  
Prof. & Head, EED

*Raj*