



Department of Electrical Engineering

Date: 06.08.2025

I. Power & Energy

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Shishir Dixit (Subject Expert-1) 2. Dr. Himmat Singh (Subject Expert-3) 3. Dr. Vijay Bhuria (Subject Expert-4) 4. Kuldeep K. Swarnkar (Subject Expert & OBE Coordinator) 5. Dr. Nikhil Paliwal (Subject Expert-5) 6. Dr. Yashwant Sawle	Odd	Generation, Transmission & Distribution of Electric Power	13242105
		Generation, Transmission & Distribution of Electric Power Lab	13242107
		Switchgear & Protection	13243101
		Switchgear & Protection Lab	13243105
		Non-conventional Energy Resources OC-1	132432xx
	Even	Power System Analysis	13242202
		Power System Analysis + Lab	13242207
		Energy Conservation & Management DE	132441xx
		Renewable Energy Lab	13130414
		Energy Conservation & Management OC	132432xx

II. Power Electronics, Electrical Machines & Drives

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Shishir Dixit 2. Dr. Vishal Chaudhary 3. Dr. Ankit Tiwari (Subject Expert-1) 4. Prof. Manoj Kumar (Subject Expert-2) Prof 5. Kuldeep K. Swarnkar (Subject Expert & OBE Coordinator)	Odd	Electrical Machines-I	13242104
		Electrical Machines-I Lab	13242106
		Power Electronics	13242203
		Power Electronics and drives lab	13242208
		Signals & Systems	13242204
		Electric Vehicle	13243104
		Departmental Elective*(DE-I)	132431xx
	Even	Electrical Machine-II	13242201
		Electrical Machine-II+Lab	13242206
		Power Electronics	13242203
		Electric Drives + Lab	130611
		Power Electronics and drives lab	13242208
		Artificial Intelligence & Machine Learning	13243203
		Artificial Intelligence & Machine Learning lab	13243206

III. Control & Instrumentation

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Shishir Dixit 2. Dr. Sulochana Wadhwani 3. Dr. A.K. Wadhwani (Subject Expert-1) 4. Dr. Vikram (Subject Expert-2) 5. Dr. Nikhil Paliwal (Subject Expert-3)	Odd	Control System	13243201
		Control System Lab	13243205
		Biomedical Instrumentation	13243202
	Even	Measurement & Instrumentation	13251202
		Measurement & Instrumentation Lab	13251206
		Signals & Systems	2130511
		Switching Theory and Logic Design	13251203

IV. Electrical & Electronics Fundamentals

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code

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1. Dr. Sulochana Wadhvani 2. Prof Rakesh Narvey(SubjectExpert-1) 3. Dr Vijay Bhuria (SubjectExpert-2 4. Prof Kuldeep K. Swarnkar (Subject Expert-3 + OBE Coordinator) 5. Prof Vishal Choudhary (Subject Expert-4)	Odd	Basic Electrical & Electronics Engineering	13251105
		Electrical & Electronics Engineering+Lab	13251107
		Electrical Engineering Materials	13251101
		Electromagnetic Field Theory	13242103
		Microprocessor & Microcontroller	13242205
		Communication System Theory	13243102
	Even	Basic Electrical & Electronics Engineering+Lab	13251207
		Network Analysis	13251201
		DE-3	132441xx

V Project, Internship and Seminar

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr Vijay Bhuria (SubjectExpert-1) 2. Dr Vikram (SubjectExpert-3) 3. Prof. Ankit Tiwari (SubjectExpert-4) 4. Prof Manoj Kumar (SubjectExpert-5)	Odd	Professional Skills & Competencies - I	13243108
		Minor Project-I	3130516
		Macro Project-I	13242109
		Micro Project-I	13251109
		Cornerstone Project	13243109
	Even	Minor Project-II	
		Creative Problem Solving	2130712/ 13244102
		Micro Project-II	13251209
		Macro Project-II	13242210
		Industry Internship/Research Internship/ Innovation & Start-up	13244201

VI Software Lab

Faculty	Semester	Courses in the Track	
		Subject Name	Subject Code
1. Dr. Sulochana Wadhvani 2. Dr. Vishal Chaudhary 3. Dr Vikram 4. Dr. Geetam Shukla	Odd	Data Science	13243103
		Data Science lab	13243106
		Data Structures	13242102
		Creative Problem Solving Lab	13244102
		Computer programming	13251102
		Computer programming Lab	13251106
	Even	Problem Solving through Python Programming	13251207

Mandatory Courses

Faculty	Courses in the Track	
	Subject Name	Subject Code
1. Prof. Rakesh Narvey 2 Dr Vijay Bhuria 3 Dr. Ankit Tiwari	Universal Human Values & Professional Ethics (UHVPE)	13251111
	Disaster Management	13243210
	Cyber Security	13242111
	Sustainability & Environmental Science	13251212
	Indian Constitution & Traditional Knowledge	1000001
	Project Management , Economics and Financing	13242211
	Supply Chain Management	13243110

Dr. Shishir Dixit
Professor & Head, EED