

E.G.S. PILLAY ENGINEERING COLLEGE
NAGAPATTINAM
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Academic Year- 2022-2023

FACULTY COMPETENCIES

S.No	Domain	Name of the faculty	Subject Handled	Area of Research	Book/Research Publications & Citations	The Area of Projects Guided
1.	Power Electronics and Drives	1.Dr.T.Suresh Padmanabhan	1.Electrical Machine Design	1.Power Electronics and Drives 2. Electric vehicles and Renewable energy systems	Research Publications: 16 No. of Patents: Nil No. of Citations: 34 h-index: 2 i10 index: 1	1. Power Electronics. 2.Renewable energy systems 3. Automation systems. 4. Embedded systems.
			2. High Voltage Engineering			
			3. Flexible AC Transmission Systems			
			4. Electric Machinery-II			
		2.Dr.S.Thamizharasan	1. Power System Operation and Control	1.Power Electronics, 2.Solid State Drives, 3.Electrical Machines, 4.Power Electronics for Renewable Energy	Research Publication:32 No. of Citations:394 h-index:8 i10-index:8	1. Drives and Control 2. Converters 3. Inverters
			2. Energy Conservation and Energy Management.			
		3.Mr.K.Krishnaram	1. Analog Electronics	1. Power Electronics, Electrical Machines, Analog Electronics, Renewable Energy Systems, Solid State Drives,	Publications : 07 Citations - Nil	1. Power Electronics 2.Renewable Energy Systems 3.Electrical Drives
			2. Solid State Drives			
			3.Electron Devices & Circuits			
			4. Power Electronics			
		4..Mr.D.Senthilkumar	1. Electric Circuit Analysis	1.Special Electrical machines Controllers	Nil	1.Robotic and Solid State Drives
			2. Basic Electrical & Electronics Engineering			
3. Special Electrical Machines						

S.No	Domain	Name of the faculty	Subject Handled	Area of Research	Book/Research Publications & Citations	The Area of Projects Guided
2.	Power and Energy	1. K.Gokulraj.	1.Micro Controlled based system design	1. Power Quality 2.High voltage Dc transmission system 3.Power Electronics 2.Solid state drives 4. Electrical Machines	Research Publication : 1	Power Electronics, Drives and Control, Renewable Energy sources
			2.Biology for Engineers			
		2. Dr. G.Chitrakala	1.Industrial Electronics	1.Renewable Energy sources 2.Power Electronics 3. Drives and Control	Research Publication : 05 No. of Citations : 04 h-index: 01 i10 - index:Nil	1.Renewable Energy sources 2.Power Electronics 3. Drives and Control
			2.Special Electrical Machines			
		3. Mr. R.Anandaraj	1. Electrical Energy Generation utilization and conservation	1.Energy management 2. Inverters 3.Electrical Drives and Control	Research Publication-05	1.Renewable Energy 2.wireless technology 3. Energy Management
			2. Energy conservation and energy management			
			3. Power Electronics			
			4. DC Machines and Transformers			
		4. Dr.Ganesan@Subramanian	1. Flexible AC Transmission Systems	1.Power Systems, Deregulations, 2.Renewable Energy Systems and Smart grids	Journal: International: 18 Conferences: International: 20 National: 06	1.Renewable Energy Systems, 2.Robotics
			2. Electrical Machine Design			
			3. DC Machines and Transformers			
		5. Mr. B. Amalore Naveen Antony	1.Power System Analysis 2.Protection&Switch Gear 3. Power System Operation and Control.	1.Power system protection & Machinery concepts 2. Power system analysis & power stability	Nil	1.Power system stabilization 2. Power enhancement

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3.	Control and Instrumentation	1.Mr.P.J.Sureshbabu	1.Linear Control Systems	1. Solar quantum dots 2.Power electronics and Control 3. Power system Control	Research Publications-1	1.Electrical machines& Its Control 2.Power Electronics Application in Renewable Energy
			2. Microprocessor , Microcontroller and its Applications			
			3. Power System Operation and Control.			
		2.Mr.K.Nandakumar	1.Measurment &Instrumentation Control	1.Measurements and Control 2. Solid state drives 3. Electrical machines	Nil	1.Multi Level Inverter Control 2.Wireless Communication And Control
			2.Electrical safety Management			
			3.Special Electrical Machines			
		3.Mr.V.Yogeswaran	1. Linear Control Systems	1. Electrical machines Control System 2. Solar Cell designs	Research Publications-1	1.Power Electronics 2.Embedded System
			2.Industrial Electronics			
			3.DC M/Cs & Transformers			
		4.Mrs.G.Krithiga	1.Basic Electrical & Electronics Engineering	1.Power Electronics Controller Design 2.Renewable Energy	Research Publications-1	1.Power Electronics 2.Embedded System Design & Control
			2. Principle of Electrical Engineering			
		5.Ms. J.Jeyasri	1.Basic Electrical & Electronics Engineering	1. Electrical machines Control System 2. Solar Cell designs	Nil	1.Power Electronics Application in Renewable Energy
			2. Basic Civil & Mechanical Engineering			

S.No	Domain	Name of the faculty	Subject Handled	Area of Research	Book/Research Publications & Citations	The Area of Projects Guided
4.	Electronics	1. Dr. V.Mohan	1.Digital Electronics	1.Power Converters 2.Drives and control 2.Renewable energy systems	Research Publications: 10 No. of Patents: 01 No. of Citations: 97 h-index: 4 i10 index: 1	1. Power Electronics and drives 2.Renewable energy systems, 3.Automation 4.Embedded systems.
			2.Linear Integrated Circuits			
		2.Dr. M.Vijayakumar	1.Power Electronics for Renewable Energy Sources	1. IOT for Electrical System Control 2. Inverter control 3. Power Converters	Publications: 06 No. of Citations: 1 h-index: 1	1.Embedded System & IOT 2.Robotics 3.Power Electronics and wireless Communication
			2.Embedded System			
		3. Mrs. S.Latha	1. Microprocessor, Microcontroller and its Application	1. Micro controller application in Renewable Energy system. 2. Wireless Communication.	Research Publications-2 citation-1	1. Embedded System 2.Power Electronics and wireless Communication
			2. Analog Electronics			
			3. Circuit theory			
		4. Mr.S.Sivamani	1.Basic Electrical & Electronics Engineering	1. Analog Electronics Application in Embedded Systems. 2. Drives and Control	Nil	1.Power Electronics 2.Embedded systems
			2.Transmission & Distribution			

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Consolidated List of Faculty Competencies

S.No.	Domain Name	No. of Faculties
1.	Power Electronics and Drives	4
2.	Power and Energy	5
3.	Control and Instrumentation	5
4.	Electronics	4

