

**Dr MANJU P**

Designation : Professor &amp; Head

E Mail : p.manju@skct.edu.in

Teaching Experience : 14 years, 4 months

Qualification : PhD (Electrical Engineering), M Tech (Power Systems), BE (EEE)

Special Areas of Interest : Intelligent Controllers for Renewable Power Plants

**Workshops / Seminars / Conferences organized**

<b>Title</b>	<b>Funded By</b>
One Day Workshop on Wind Energy Technology	Ministry of New & Renewable Energy, Government of India, New Delhi
One Day International Conference on Emerging Trends in Powering the Nation	IEEE Madras Section
Seminar on Fuzzy Logic: Understanding Concepts	EEE Association : SKCT
Seminar on FACTS & HVDC for Energy Management	EEE Association : SKCT
One Day Workshop on Embedded System design	EEE Association : SKCT
One Day Workshop on PLC and Industrial Automation	EEE Association : SKCT
Two Days Workshop on PCB design	EEE Association : SKCT
One Day Seminar on Control systems and its Applications	EEE Association : SKCT
One Day Seminar on Modeling of wind Turbine Systems	EEE Association : SKCT
Seminar on Recent Trends in Power Distribution	EEE Association : SKCT
Seminar on Recent Trends in Industrial Automation	EEE Association : SKCT
Seminar on Emerging trends in Process Automation with PLC and SCADA overview	ICE Association : SKCT
One Day Workshop on MATLAB Tools(Neural Networks and Genetic Algorithm"	ICE Association : SKCT
Seminar on Control valves	ICE Association : SKCT
One Day Seminar Instrumentation in Plant Engineering	ICE Association : SKCT
One Week Faculty Development Programme on Process Control	ICE Association : SKCT

**Continuing Education Programmes**

<b>PROGRAMME</b>	<b>HELD AT</b>
Training Programme on Modern Teaching Competencies for Faculty Members	Sri Krishna College of Engineering & Technology, Coimbatore
Short Term Training Program on "Digital Control of Power Electronic Equipments"	IISC, Bangalore

Faculty Development Programme on “Power System Analysis”	Sri Krishna College of Engineering & Technology, Coimbatore
Training Programme on Instructional Design & Delivery	Sri Krishna College of Engineering & Technology, Coimbatore
National Workshop on “Power Electronics Applications to Power Systems”	Coimbatore Institute of Technology, Coimbatore
Workshop on “Neuro-Fuzzy Controllers for Power Converters”	Muthayammal Engineering College, Namakkal
National Conference on Recent Trends in Electrical & Communication Technologies	MET’S School of Engineering, Mala, Kerala
Faculty Development Programme on “Neural Network, Fuzzy Logic & Evolutionary Computing”	Sri Krishna College of Engineering & Technology, Coimbatore
Workshop on “VLSI Signal Processing”	Sri Krishna College of Engineering & Technology, Coimbatore
Two Day Workshop on “MATLAB & LABVIEW – Practical Applications”	VLB Janakiammal College of Engineering & Technology, Coimbatore
International Conference on Advances in Energy Conversion Technologies	Manipal Institute of Technology, Manipal
One Day Workshop on Wind Energy Technology sponsored by MNRE, New Delhi <b>(Organized)</b>	Sri Krishna College of Engineering & Technology, Coimbatore
NPTEL workshop	NPTEL, IIT Madras jointly with PSG College of Technology, Coimbatore
One day Faculty Training Programme on “ARM & RTOS”	UTL Technologies Ltd., jointly with Sri Krishna College of Engineering & Technology, Coimbatore
One day Pre-Conference Tutorial on “Smart Grid Systems”	Coimbatore Institute of Technology, Coimbatore
Orientation to Entrepreneurship Education Program	NEN Education jointly with PSG College of Technology, Coimbatore
One Day Workshop on Neural Networks & Its Applications	Sri Krishna College of Engineering & Technology, Coimbatore
International Conference on Innovations in Intelligent Instrumentation, Optimization and Signal Processing (Chair Person)	Karunya University

<b>Membership of Professional Bodies</b>	
<b>PROFESSIONAL BODIES</b>	<b>TYPE OF MEMBERSHIP</b>
ISTE	Life Member
ISA	Annual Member

<b>Course materials prepared</b>
High Voltage Engineering
Electrical Energy Generation, Utilization & Conservation
Electrical Drives & Control
Power System Analysis, Protection & Switchgear
Power Generation, Transmission & Distribution Systems
Power Plant Instrumentation

<b>Paper Publications (Conferences)</b>	
<b>TITLE</b>	<b>CONFERENCE</b>
Fuzzy Controller Based Stability Enhancement of Flexible AC Transmission System	National Conference on “Advanced Computing, Control and Automation”, KSR College of Technology, Thiruchengode
A Novel Fuzzy Controller for Stability Enhancement of Flexible AC Transmission System	National Conference on Recent Trends In Electrical and Communication Technologies, held at MET’s School of Engineering, Mala, Kerala
Fuzzy Logic Based Operation of Unified Power Flow Controller for Transient Stability Enhancement	First International Conference on Advances in Energy Conversion Technologies(ICAECT 2010), Manipal Institute of Technology, Manipal
Intelligent Control of Unified Power Flow Controller for Stability Enhancement of Transmission Systems	Second IEEE International Conference on Advanced Computer Control, Shenyang, China

<b>Paper Publications (Journals)</b>	
<b>TITLE</b>	<b>Journal</b>
Effect of Fuzzy Controller in the operation of Unified Power Flow Controller and Power System Stabilizer for Transient Stability Enhancement	European Journal of Scientific Research, Volume 96 Issue 3
Static Var Compensator: Effect of Fuzzy Controller and Changing Membership Functions in its operation	International Journal of Electrical Engineering Volume 6, Number 2 (2013)
Static Var Compensators & Power System Stabilizers with Adaptive Neuro Fuzzy Controllers in Wind Farms	International Review on Modelling and Simulations, Vol 6, No. 2
Effect of Changing Membership Functions in the operation of Fuzzy based Unified Power Flow Controller in a Power System Network	Journal of Computational Intelligence and Electronic Systems, Issue 3
Static Synchronous Series Compensator & Stabilizers based on Adaptive Neuro Fuzzy Control for enhanced performance of a Wind Farm	Advanced Materials Research (Accepted for Publication)
Effect of Fuzzy Controller and Changing Membership Functions in the operation of FACTS Controller and Power System Stabilizer	International Journal of Electrical Engineering (Accepted for Publication)
Adaptive Neuro Fuzzy Inference Systems for Unified Power Flow Controllers and Power System Stabilizers in Wind Farms	International Journal of Applied Engineering Research (Accepted for Publication)