

Dr MANJU P

Designation : Professor & Head

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

Teaching Experience : 16 years, 7 months

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

Special Areas of Interest : Intelligent Controllers for Renewable Power Plants

Events organized	
Title	Remarks
One Day Workshop on Wind Energy Technology	Funded by Ministry of New & Renewable Energy, Government of India, New Delhi
One Day International Conference on Emerging Trends in Powering the Nation	Funded by IEEE Madras Section
Seminar on Fuzzy Logic: Understanding Concepts	Funded by EEE Association : SKCET
Seminar on FACTS & HVDC for Energy Management	Funded by EEE Association : SKCET
One Day Workshop on Embedded System design	Funded by EEE Association : SKCET
One Day Workshop on PLC and Industrial Automation	Funded by EEE Association : SKCET
Two Days Workshop on PCB design	Funded by EEE Association : SKCET
One Day Seminar on Control systems and its Applications	Funded by EEE Association : SKCET
One Day Seminar on Modeling of wind Turbine Systems	Funded by EEE Association : SKCET
Seminar on Recent Trends in Power Distribution	Funded by EEE Association : SKCET
Seminar on Recent Trends in Industrial Automation	Funded by EEE Association : SKCET
FDP on PLC& Robotics	Dr S Udayakumar, PSG College Of Technology, Coimbatore.
Inauguration Of ICE Association	Mr EaraiyAnandaEzhilan, Md Keas Control Systems, Coimbatore.
One Credit Course On DCS Fundamentals & Engineering With PLC Concept.	Resource Persons From Yokogawa India Ltd.
Emerging Trends In Process Automation With PLC & SCADA Overview.	Ms. R Padma Yokogawa India Ltd, Bangalore.
Hands-On Biomedical Equipment	Mr Kumar Tmi Systems, Bangalore.
Hands-On Session On Matlab Tools	DrVijayachandrakala, Amrita University.

Elero'16	Instrumentation & Control Engineering Association
Guest Lecture On Control Valves	Mr Durai Raj Francis, L&T Ltd.
One Credit Course On DCS Fundamentals & Engineering With PLC Concept.	Resource Persons From Yokogawa India Ltd.
One Credit Course On PCB Design	Resource Persons From Efy-Tech.
Guest Lecture On Instrumentation In Plant Engineering	Mr Devendran, Mech Ci Cadd Engg Pvt Ltd.
Engineers Day	Instrumentation & Control Engineering Association
Entrepreneurs Day	Instrumentation & Control Engineering Association
Graffiti	Instrumentation & Control Engineering Association
Orphanage Visit	Instrumentation & Control Engineering Association
Connoisseur	Instrumentation & Control Engineering Association
Photography	Instrumentation & Control Engineering Association
Alumni Interaction	Mr Prasanna Venkatesh Yokogawa, bangalore
Alumni Interaction	Mr Gowtham N Pursuing Masters @ Martin Luther University, Germany
Faculty Development Programme On Process Control And Its Applications	Academicians And Industry Experts
Alumni Talk On Scope Of Higher Studies- Abroad	Gowtham Pursuing M.S.(Bio Medical Engineering), Germany.
Guest Lecture On How To Be Ready For Industry	Mr.P.Gopinath Kavin Engineering, Coimbatore
Guest Lecture On Industry Readiness	Mr.S.Kumar, Tmi Systems, Bangalore.
Guest Lecture On Industry Readiness	Mr Radha Krishnan, Senar Engg & System Limited, Bangalore.
Guest Lecture On Need For Industrial Safety	Mr Kumerasan, Yokogawa, Middle East Africa.
Guest Lecture On Industry Readiness	Mr P Sridhar, Robert Bosch, Coimbatore.
One Day Hands On Training-PLC	Mr. Ajith Surendaran, IPCS Automation, Coimbatore.
Guest Lecture-Career Path In India & Overseas	Ms.R.Roopini, Embedded Engineer, Continental, Singapore Private Limited

Paper Collage	Instrumentation & Control Engineering Association
Mehendhi	Instrumentation & Control Engineering Association
Overview Of Bio-Medical Engineering	Mr.S.Kumar, TMI Systems, Bangalore.
Chart Presentation Photographia	Instrumentation & Control Engineering Association
Independence Day Events	Instrumentation & Control Engineering Association
Drawing Competition	Instrumentation & Control Engineering Association
Reverse Film Making	Instrumentation & Control Engineering Association
Project Expo	Instrumentation & Control Engineering Association
Dance And Singing	Instrumentation & Control Engineering Association
Connexions	Instrumentation & Control Engineering Association
Dumbsharads	Instrumentation & Control Engineering Association
Role-plays	Instrumentation & Control Engineering Association
Passing The Sentence	Instrumentation & Control Engineering Association
Spell bee	Instrumentation & Control Engineering Association
Edutainment	Instrumentation & Control Engineering Association
Independence Day Events	Instrumentation & Control Engineering Association
Project Display	Instrumentation & Control Engineering Association
Avantaa'17 Poster Contest Symposium Promo Video Contest	Instrumentation & Control Engineering Association
Workshop On PLC & DCS	Resource Person From IPCS Automation
Non-Technical Workshop On Grooming	Ms. Sopia Jasmine, Specialist In Grooming
Flex Design	Instrumentation & Control Engineering Association
Contraption	Instrumentation & Control Engineering Association
Art Galleria	Instrumentation & Control Engineering Association

Technical Seminar On Metrology	Mr.Prasath, Sitrac Limited, Coimbatore
Webinar On Nanotechnology	Dr.Pattanathu Rahman, Teesside University, UK
Swachtha	Instrumentation & Control Engineering Association
Faculty development program on “Intelligent Control”	Academic and Industry persons
Photography	Instrumentation & Control Engineering Association
Vision of Kalam	Instrumentation & Control Engineering Association
Paper Collage	Instrumentation & Control Engineering Association
Guest Lecture on “Communication Skill Development”	Mr.KathirveluPalanisamy, Six plus one training academy, Erode.
Tree plantation	Instrumentation & Control Engineering Association
Webinar on “The Application Of Statistics In Biomedical Research”	Ms.Priya Rani, Research Scholar, RMIT University, Australia
Welcoming fresher 2016-2020 batch	Instrumentation & Control Engineering Association
Batch day celebrations	Instrumentation & Control Engineering Association
Alumni Interaction	Mr.SrivastaVignesh, IVY works, Bangalore
Webinar on “Nanotechnology And IoT Applications”	Mr.SarathSriram, RMIT University, Australia
Workshop on Embedded Systems	Technical Team from Caliber Embedded Technologies, Coimbatore.
Guest lecture on “New Tele Health Medical Devices And Tele Home Health”	Mr.Kumar, TMI Systems, Bangalore.
Student Interaction	Mr.Sai Saran Vaidyanathan, Google Cloud
Engineers day	Instrumentation & Control Engineering Association
Guest lecture on Recent Trends in Nuclear Power Plants	Mr Kudiarasu, BhaviniKalpakkam Atomic Research Institute.
Webinar on Simulation , Control and Modelling	Dr.Kandasamy, Senior System Architect Geometric limited, Chennai
Guest Lecture on Transition from college to Corporate	Mr Nasser Ali Khan, Cameron, Coimbatore.
A Guest lecture on Filter design and digital signal processing	Dr Srinivasan, Sri Ramakrishna Engineering College, Coimbatore

One credit program – IoT using Node MCU ESP8266	Technical Team from IPCS Automation.
A Webinar on Robotics and Automation	Mr Arun Kumar , Research Associate, University of New South Wales, Australia.
Craft from waste	Instrumentation & Control Engineering Association
Project expo – Robo land	Instrumentation & Control Engineering Association
Symposium Poster Presentation	Instrumentation & Control Engineering Association
Guest Lecture on Intelligent Control	Dr K R M Vijayachandrakala, Amrita Univeristy, Coimbatore.
A Seminar on Opportunities of Higher Studies Abroad	Ms. Nagalakshmi, Director- Academics, Career Zone, Coimbatore.
One day seminar and Hands-on session for Industrial Data Networks	Mr S Vivek, Design Engineer, Keystone Automation, Chennai.
Short Term Training Program on “Medical Electronics”	TMI SYSTEMS, Bangalore
Farewell	Instrumentation & Control Engineering Association
Guest lecture on “Control Systems”	Dr.Dharmalingam BHEL, Trichy
AVANTHAA 2018	Instrumentation & Control Engineering Association
3 credit course on “ PLAC, SCADA, EDCS, VFD & HMI”	IPCS, Coimbatore
Diagnostic Test for English Proficiency	Instrumentation & Control Engineering Association
Screening of Motivational Videos and Motivational Talks	Instrumentation & Control Engineering Association
Creative arts – Music, Drama and Dance	Instrumentation & Control Engineering Association
Activity Based Universal Human Values	Instrumentation & Control Engineering Association
Department Familiarization and Road Map for ICE students	Instrumentation & Control Engineering Association
Instrumentation Engineering (Web Conferencing)	Ms Marina Sophia Instrumentation Engineer, Kavin Engineering, Tidal Park, Coimbatore
Core Placement Initiatives (Web Conferencing)	Ms Jayalaxmi M Instrumentation Engineer, Kavin Engineering, Tidal Park, Coimbatore

Core Company Expectations	Mr Sayal Krishna G Instrumentation Engineer, ACC Cements, Madukkarai
Opportunities : Higher Studies Abroad (Web Conferencing)	Mr Gowtham N Masters from Martin Luther Halle University, Germany
IT Sector for Instrumentation Engineers (Web Conferencing)	Ms Kaviya Vinithra System Analyst, Infosys
Scope of instrumentation Engineering (Web Conferencing)	Ms Keerthana B Project Engineer, Accenture
SKCT Insight by ICE Seniors	Instrumentation & Control Engineering Association
Guest Lecture on “Campus to Corporate – A Smooth Transition”	Mr.A.Prakash, Robert Bosch, Coimbatore
Guest Lecture on “Industry Readiness”	Mr. Samuel, Automation Engineer, IPCS, Coimbatore
Screening of Motivational Videos and Motivational Talks	Instrumentation & Control Engineering Association
Feedback Session on “Induction Program”	Instrumentation & Control Engineering Association
Session on “Thermography”	Instrumentation & Control Engineering Association
Guest Lecture on “Control schemes, control valves and controlling of boiler drum level in industries”	Dr.S.Dharmalingam, BHEL Trichy
Web conference on “ Career Development, Entrepreneurship & Technology”	Mr.P.Gautham, Bio-design Lab, Bangalore
Guest Lecture on “Smart Sensors”	Dr.S.Vivekandan, HoD, EIE, VIT University, Vellore
Visit to Old age Home	Instrumentation & Control Engineering Association
Visit to Orphanage	Instrumentation & Control Engineering Association
Food for Needy	Instrumentation & Control Engineering Association
Clean and Green India	Instrumentation & Control Engineering Association
Gaja Cyclone Relief Materials collections and Activities	Instrumentation & Control Engineering Association
Guest lecture on Career development for Industrial Instrumentation Engineers	Mr. K. Kathiresh, ACE Tech and Service Ltd. Dubai

Continuing Education Programmes	
PROGRAMME	HELD AT
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 (Organized)	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
Goal Setting Workshop	SKCET, Coimbatore
Faculty Development Programme on DCS Fundamentals & Engineering With PLC Concept.	Yokogawa India Ltd.
Faculty Development Programme on Process Control And Its Applications	Academicians And Industry Experts, SKCT
Short Term Training Program on “Medical Electronics”	TMI SYSTEMS, Bangalore

Membership of Professional Bodies	
PROFESSIONAL BODIES	TYPE OF MEMBERSHIP
ISTE	Life Member
ISA	Annual Member

Course materials prepared
High Voltage Engineering
Electrical Energy Generation, Utilization & Conservation
Electrical Drives & Control
Power System Analysis, Protection & Switchgear
Power Generation, Transmission & Distribution Systems
Power Plant Instrumentation
Electric Circuits and Analysis
Electrical Machines

Paper Publications (Conferences)	
TITLE	CONFERENCE
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
Wireless Power Transfer in 3D Space	IEEE International Conference on New Trends in Engineering & Technology

Paper Publications (Journals)	
TITLE	Journal
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 <i>(Accepted for Publication)</i>
Effect of Fuzzy Controller and Changing Membership Functions in the operation of FACTS Controller and Power System Stabilizer	International Journal of Electrical Engineering <i>(Accepted for Publication)</i>
Adaptive Neuro Fuzzy Inference Systems for Unified Power Flow Controllers and Power System Stabilizers in Wind Farms	International Journal of Applied Engineering Research <i>(Accepted for Publication)</i>
Review of Conveyor System and Thermography	ASME Journal of Dynamic Systems, Measurements and Control

Patents Filed	
TITLE	File No.
Hair Grabber System	296608
Kitchen Sink Drainer 1	297756
Kitchen Sink Drainer 2	297755
A Method and a Device for enabling enhanced identification and communication through Sign language between differently abled and normal persons	201841013055

Guidance for Consultancy Works	
TITLE	Status
Renovation of Stamping Machine Using PLC	Completed
Automation of Pet Bottle Manufacturing Machine	Completed
PLC based CSTR System	Completed
Electric Motor Driven Pump Skid for Flushing Waste Water	Completed
Semi Automatic Fertilizer packing unit	Completed
PLC based Automatic sorting unit in cement industry waste recycling	Completed