



Profile

PERSONAL DETAILS

Name : **Dr. S.GOMATHI**

Designation : Professor

Institution : K.S.Rangasamy College of
Technology, Tiruchengode

Father's Name : A.M.Shanmugam

Date of Birth & Age : 05.07.1979, 43 Years

Address for communication : Professor
Department of EEE
K.S.Rangasamy College of Technology,
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ACADEMIC PROFILE

Degree	Institution/University	Specialization	% of Marks / Class obtained	Year of completion
Ph.D	Anna University	Information and Communication Engineering		July 2019
M.E.	K.S.Rangasamy College of Technology, Anna University	Applied Electronics	83 I st class with distinction	June 2006
B.E.	Kongu Engineering College, Bharathiyar University	EEE	76.5 I st class with distinction	May 2000
HSC	Govt.Girls Hr.Sec.School, Sivagiri. Erode (DT)	-	80.33	1996
SSLC	Jaivabai Municipal Girls Hr.Sec. School, Tirupur.	-	79.2	1994

PROFESIONAL EXPERIENCE

Teaching: UG - 22 years
PG – 11 years

S.No	Institution	Post held	Period	
			From	To
1	K.S.Rangasamy College of Technology, Tiruchengode	Professor	01.08.2019	Till Date
2	K.S.Rangasamy College of Technology, Tiruchengode	Associate Professor	01.05.2010	31.07.2019
3	K.S.Rangasamy College of Technology, Tiruchengode	Assistant Professor	01.06.2006	30.04.2010
4	K.S.Rangasamy College of Technology, Tiruchengode	Lecturer	08.06.2000	31.05.2006

Administrative experience

Sl. No.	Name of the Assignment	Duration
1.	Staff Vacation coordinator	From 01.06.2014 to Till date
2.	Exam Cell Coordinator	From 01.06.2014 to till date
3.	Professional Society Coordinator	From 01.07.09 to 20.04.13
4.	Women Empowerment cell coordinator	From 01.07.06 to 20.04.09
5.	Project Contest Coordinator	From 01.02.2020 to till date

JOURNAL PUBLICATIONS/CONFERENCES/WORKSHOPS

Journal Publications		No. of Conferences attended		No. of Workshop/Seminar/STTP	
National	International	National	International	Attended	Organized
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LIST OF PUBLICATIONS MADE

INTERNATIONAL JOURNALS	
1	B.Niranjana, S.Gomathi and Dr.T.Venkatesan, “Demand management in hybrid microgrid” International Journal of Advanced Information and Communication Technology, Vol 1, Issue 9, pp.767-770, 2015.
2	B.Niranjana, S.Gomathi and Dr.T.Venkatesan, “A hybrid microgrid and its co-ordination control with real-time pricing algorithm” International Journal of Research and Engineering, Vol 2, Issue 4, pp. 41-45, 2015.
3	V.Gokul, S.Gomathi and Dr.T.Venkatesan, “P-Q and V-F control of hybrid microgrid” International Journal of Advanced Information and Communication Technology, Vol 1, Issue10, pp.771-776, 2015.
4	V.Gokul, S.Gomathi and Dr.T.Venkatesan, “Power Control Analysis of Hybrid Microgrid” ” International Journal of Research and Engineering, Vol 2, Issue 4, pp. 50-56, 2015.
5	S.Gomathi, Dr.T.Venkatesan and S.Tharanya, “Enhancement of power quality on grid connected dual voltage source inverter” International Journal of Applied Engineering Research, Vol.10, No.20, ISSN 0973—4562, pp.20021-20026, 2015.
6	Gomathi, S, Venkatesan, T & Sri Vidhya, D 2018, ‘Design and Implementation of Fault Current Limiters in Distribution System using Internet of Things’ Wireless Personal Communications. Doi: 10.1007/s11277-018-5281-9 (Annexure I) (Impact Factor : 0.951).
7	S.Gomathi, V.Dharani, A.Dhivya, M.R.Dhivya & A.Iyswariya, “IoT Based Fault

	current Monitoring and Limiting of Smart Grid System” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering. Vol. 8, No.3, ISSN 2320-3765, pp. 1601-1608, 2019.
8	S. Gomathi, D. Sri Vidhya & T. Venkatesan, 2019, ‘Thermoelectric based power generation for battery charging’ Doi : 10.34256/bsr1927 Bulletin of Scientific research , IOR press. Vol. 1, No. 2, pp. 55-58.
9	D.Sri Vidhya, S.Gomathi, & T. Venkatesan, 2019, “Solar Powered Electric Smart Skate Scooter with IoT”, International Research Journal of Multidisciplinary Technovation. Vol. 1, No. 6. Pp.55-60

International Conferences

1.	S.P.Gayathri and S.Gomathi, “Interleaved soft switching buck boost converter for PV system” PCID 2012.
2.	S.Gomathi and N.Kanagaraj, “Implementation of maximum power point tracking using fuzzy logic controller for photovoltaic system” International Conference on Renewable Energy Utilization, Jan 4-6, 2012.
3.	S.P.Gayathri and S.Gomathi, “High efficiency Interleaved soft switching buck boost converter for Photovoltaic power generation system” International Conference on Emerging trends in communication March 8-9, 2012.
4.	B.Niranjana, S.Gomathi and Dr.T.Venkatesan, “A hybrid microgrid and its co-ordination control” International Conference on Advances in Emerging Technology (ICAET 2015).
5.	V.Gokul, S.Gomathi and Dr.T.Venkatesan, “Power Control of Distributed Energy Sources” International Conference on Advances in Emerging Technology (ICAET 2015).
6.	S.Gomathi, Dr.T.Venkatesan and S.Tharanya, “Enhancement of power quality on grid connected dual voltage source inverter” Online International Conference on Green Engineering and Technologies, 2015.
7.	S.Gomathi, V.Dharani, A.Dhivya, M.R.Dhivya & A.Iyswariya, “Performance of Fault Current Limiting System in Smart Grid using IoT” International Conference on Innovation in Electrical, Electronics, Instrumentation and Computer Engineering (IEEIC’19), 15 th March 2019.
8.	S.Gomathi, D.Sri Vihdhya & T.Venkatesan, “Thermoelectric based Power generation for battery charging” AICTE Sponsored Two Days International Conference on Smart Applications for Environmental Quality Assessment and Promoting Health Care Systems using Internet of Things (ICSAIOT-2019), August 28 & 29, 2019.
9.	D.Sri Vihdhya, S.Gomathi & T.Venkatesan, “Solar Powered electric smart Scooter with IOT” AICTE Sponsored Two Days International Conference on Smart Applications for Environmental Quality Assessment and Promoting Health Care Systems using Internet of Things (ICSAIOT-2019), August 28 & 29, 2019.
10.	R.Ahalya, D.Danaseelan, N.Dhanasundar, Z.Reshmabanu and S.Gomathi, “ Implementation of Drone with Automatic Refilling Mechanism and Gesture Control Mode for Tree Planting Application” International conference on Electrical Sciences (ICES-2020), February 20 & 21, 2020.
11	S.Gomathi, S.Baladhadayuthabani, S.M.Sree Sangamesh and E.Gayathry, “Smart Underground Cable Fault Detection and Alert System using IoT” First International Conference on Recent Innovations in Robotics, Construction and Mechanical Sciences

	(ICRIRCMS 2022), June 10 & 11, 2022.
National Conference	
1.	S.Gomathi and T.Vimalkumar, “PV based stand alone automatic water pumping system using Fuzzy MPPT technique”, National Conference On Emerging Trends And Instrumentation Systems,NCETIS’12, Sri Ramakrishna Engineering College, Coimbatore, March 9th & 10th,2012.
2.	S.Gomathi and Dr.T.Venkatesan, “A Review on various types of Fault Current Limiters” National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSpeed 2017), April 6-7, 2017.
3.	S.Gomathi , V.Dharani, A.Dhivya, M.R.Dhivya & A.lyswariya, “IoT based Fault current Limiter for Smart Grid Application” National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSpeed 2K19), March 15-16, 2019.
4.	S.Gomathi , M.Santhosh, V.Sivaskthi, V.Nivas & S.Kavinraj, “Smart House energy Storage System Using Thermoelectric panels”, National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSpeed 2K19), March 15-16, 2019.

LIST OF WORKSHOPS / TRAINING PROGRAMMES ORGANIZED

Sl. No.	Title	Venue	Duration	Sponsoring Authority
1.	Skill Enhancement Programme on PLC and SCADA for II year EEE Students	Online course	31.05.21 To 05.06.21	K.S.Rangasamy College of Technology, Tiruchengode
2.	Orientation Program for first year EEE & ECE	Online course	17.08.20 To 28.08.20	K.S.Rangasamy College of Technology, Tiruchengode
3.	Technical Webinar Lecture Series 2020 on Electric Vehicles	Online course	06.05.2020 To 12.05.2020	K.S.Rangasamy College of Technology, Tiruchengode
4.	One day workshop on Scilab	K.S.Rangasamy College of Technology, Tiruchengode	04-05-2019	IIT-B
5.	National Conference on Emerging Power Scenario in Power engineering and Electrical Drives (eSPEED 2019)	K.S.Rangasamy College of Technology, Tiruchengode	15.03.2019 & 16.03.2020	
6.	National Conference on	K.S.Rangasamy	March 2018	

	Emerging Power Scenario in Power engineering and Electrical Drives (eSPEED 2018)	College of Technology, Tiruchengode		
7.	National Conference on Emerging Power Scenario in Power engineering and Electrical Drives (eSPEED 2017)	K.S.Rangasamy College of Technology, Tiruchengode	March 2017	
8.	National Conference on Emerging Power Scenario in Power engineering and Electrical Drives (eSPEED 2016)	K.S.Rangasamy College of Technology, Tiruchengode	17.03.2016 & 18.03.2016	
9.	National Conference on Emerging Power Scenario in Power engineering and Electrical Drives (eSPEED 2015)	K.S.Rangasamy College of Technology, Tiruchengode	20.03.2015	
10.	National Conference on Emerging Power Scenario in Power engineering and Electrical Drives (eSPEED 2014)	K.S.Rangasamy College of Technology, Tiruchengode	20.03.2014 & 21.03.2014	
11.	National Conference on Emerging Power Scenario in Power engineering and Electrical Drives (eSPEED 2013)	K.S.Rangasamy College of Technology, Tiruchengode	07.02.2013	
12.	National Conference on Emerging Power Scenario in Power engineering and Electrical Drives (eSPEED 2012)	K.S.Rangasamy College of Technology, Tiruchengode	16.03.2012 & 17.03.2012	

LIST OF ACTING AS RESOURCE PERSON (Keynote speaker)

Sl. No.	Title	Venue	Duration	Sponsoring Authority
1.	ATAL Sponsored FDP on “Challenges and Opportunities in Execution of Artificial Intelligence for Electric Vehicle Design”	Online Course 05.01.21 Hybrid Electric Vehicle Systems and Architecture	04.01.21 To 08.01.21	ATAL
2.	Orientation Program for first year EEE & ECE	Online Course	17.08.20 To 28.08.20	K.S.Rangasamy College of Technology, Tiruchengode
3.	Technical Webinar Lecture	Online Course	06.05.2020	K.S.Rangasamy

	Series 2020 on Electric Vehicles		To 12.05.2020	College of Technology, Tiruchengode
4.	Technological Progress and Challenges in Smart Grid Integration with distributed Generation	K.S.Rangasamy College of Technology, Tiruchengode	01-02-2019 & 02-02-2019	IE(I) Erode Local Center
5.	FDP on “Challenges and opportunities in execution of big data analytics for smart electrical power distribution system design: a research perspective”	K.S.Rangasamy College of Technology, Tiruchengode	04-11-19 to 16-11-19	AICTE

DETAILS OF MEMBERSHIP IN PROFESSIONAL SOCIETIES

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1	ISTE	Life Member	LM42819

PROFESSIONAL RECOGNITION AND AWARDS RECEIVED

S.No	Type of Award	Nature of award	Date	Awarding Institute / Organization
1.	Appreciation for 100% results in University Examination	Certificate of Merit with Cash Prize – 3 times		K.S.Rangasamy College of Technology
2.	NSF Best Research Paper Award	Certificate of Merit	Sep 2018	Nature Science Foundation, Coimbatore
3.	Student Project Scheme – Smart house storage system using thermoelectric panels	Cash prize of Rs.7500	Feb 2019 2018-2019	TNSCST
4.	Best Senior Faculty award	Certificate of Merit	30.06.2019	International American Council for Research and Development, USA DK INTERNATIONAL RESEARCH FOUNDATION

				Number 321, Rayal Nagar, North Mathavi Road, Perambalur, Tamilnadu, India - 621212
5.	Completing 5k in Cancer Awareness Marathon	Certificate of Merit	08.03.2020	K.S.Rangasamy College of Technology (VOC park, Erode)
6.	Best Library User Award (2021-2022)	Certificate of Merit	10.06.2022	K.S.Rangasamy College of Technology

NPTEL ON LINE COURSE

Sl. No.	Title	Mark Secured	Duration	Sponsoring Authority
1.	Introduction to Smart Grid	52	Aug-Sep 2018 8 weeks	IIT-Roorkee Ministry of HRD, Govt. of India
2.	Control Engineering	65	Jan-Apr 2019 12 weeks	IIT-Madras Ministry of HRD, Govt. of India
3.	Introduction to IOT	76 (Elite + silver)	July-Oct 2019 12 weeks	IIT-Kharagpur Ministry of HRD, Govt. of India
4.	NBA Accreditation and Teaching – Learning in Engineering (NATE)	85	Jan-Apr 2020 12 weeks	IISc-Bangalore Ministry of HRD, Govt. of India
5.	DC Microgrid and Control System	73 (Elite)	Sep – Nov 2020 8 weeks	IIT-Roorkee
6.	Design of PV Systems	48	July-Oct 2020 12 weeks	IISc-Bangalore

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