

CURRICULUM VITAE



Name : **Dr.D.SRI VIDHYA**
Designation : Associate Professor
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GOAL:

Improve in research and academic performance on day-to-day basis for seeking of academic improvement and personal development.

ACADEMIC PROFILE:

Degree	Institution/University	Specialization	Year of completion
Ph.D.	Anna University Chennai	Electrical Drives, Artificial intelligence, Converters, Renewable Energy Sources	2017
M.E.	K.S.Rangasamy College of Technology, Tiruchengode	Power Electronics and Drives	2008
B.E.	Bannari Amman Institute of Technology	EEE	2004
HSC	Vellalar Girls Higher secondary School, Thindal	First Group	2000
SSLC	Sri Krishna Balabhavan Matric School, Bhavani	-	1998

PROFESIONAL EXPERIENCE:

Total Teaching Experience: 12 years

S.No	Institution	Post held	Period	
			From	To
1.	K.S.Rangasamy College of Technology, Tiruchengode	Associate Professor	01.06.2019	Till date
2.	K.S.Rangasamy College of Technology, Tiruchengode	Assistant Professor	27.05.2009	31.05.2019
3.	V.S.B Engineering College, Karur	Lecturer	06.09.2004	25.08.2005

Consolidate Data

Research Scholars		Journal Articles		Patent Filled	Award	Membership In Professional Bodies
Completed	Doing	Journal	Conference			
1	2	12	20	3	3	2

TITLE OF Ph.D. THESIS:

Design of Quasi Z Source Indirect Matrix Converter Based Induction Motor Drive System for Dye Pump Application in Paper Mill

LIST OF Ph.D SCHOLARS:

- Anna University Recognized Supervisor ID: 3130014

Sl.No	Name	Thesis title	Status	Year of Registration	Year of Completion
1.	Priyatharsini P	Controller for Electric Vehicle	Doing Coursework	2022	Expected to complete in 2024
2.	Jaividhya S	Fault identification in smart grid using IoT	Completed Course work	2020	Expected to complete in 2023
3.	Geetha S	Certain Investigations on performance enhancement of direct torque controlled brushless DC motor using meta heuristic methods	Completed	2018	2021

THESIS SUPERVISED: FOR M.E. / M. TECH. PROGRAMME

Sl.No	Title of the Thesis Supervised	Name of the candidate	Completed Year
1.	Design of DVR For Power Quality Improvement Based on Ultra-Capacitor	K.Prashanth	2020
2.	Robust decentralized control of the power flow in micro grids.	K.Dinesh	2015
3.	Fuzzy based direct torque control of induction	R.Premalatha	2014

	motor using single current sensor		
4.	Implementation of adaptive fuzzy speed controller for direct torque control induction motor drive	A.Muthukumar	2013
5.	Performance analysis of neuro fuzzy based speed control of induction motor drives	B.Karthikeyan	2012

JOURNAL REVIEWER:

- IEEE Transactions on Industrial Electronics
- IET Electric Power Applications
- IET Power Electronics
- Journal of Testing and Evaluation

LIST OF PUBLICATIONS MADE:

International Journals:	
1.	Narmatha, P., Thangavel, V. & Vidhya, D.S. “A Hybrid RF and Vision Aware Fusion Scheme for Multi-Sensor Wireless Capsule Endoscopic Localization” <i>Wireless Pers Commun</i> Vol. 123, pp.1593–1624 (2022). https://doi.org/10.1007/s11277-021-09205-5 .
2.	D.Sri Vidhya and T.Venkatesan "Quasi-Z-Source Indirect Matrix Converter Fed Induction Motor Drive for Flow Control of Dye in Paper Mill" <i>IEEE Transaction on Power Electronics</i> , Vol. 33, no. 2, pp. 1476-1486, Feb. 2018.(Impact Factor:7.13)
3.	Gomathi, S., Venkatesan, T. & Sri Vidhya, D. “Design and Implementation of Fault Current Limiters in Distribution System Using Internet of Things” <i>Wireless Personal Communication</i> Vol.102, pp.2643–2666,2018. https://doi.org/10.1007/s11277-018-5281-9
4.	D Sri Vidhya, S Gomathi, T Venkatesan “Solar Powered Electric Smart Skate Scooter with IoT”, <i>International Research Journal of Multidisciplinary Technovation</i> ,Vol.1,Issue 6,pp.55-60,2019
5.	S Gomathi, D Sri Vidhya, T Venkatesan, “Thermoelectric Based Power Generation for Battery Charging”, <i>Bulletin of Scientific Research</i> , Vol.1,Issue 2,Pp.55-58,2019.
6.	Sri Vidhya, D, Venkatesan, T & Kanagaraj, N 2016, ‘Fuzzy Logic Controller for Variable Boost Function in Quasi Z Source Indirect Matrix Converter during Voltage Sag Condition’ springer- <i>International Journal of Fuzzy Systems</i> (2017) Vol.19 No. 4 pp. 1093-1103. Doi:10.1007/s40815-016-0221-x ISSN:1562-2479.
7.	Sri Vidhya, D & Venkatesan, T 2016, ‘A Review on Performance Analysis of Matrix Converter Fed AC Motor Drive’ <i>International Journal of Power Electronics and Drive System (IJPEDS)</i> vol. 7, no. 1, March, pp. 85~93 ISSN: 2088-8694.
8.	Sri Vidhya D and Dinesh K, (2015) “Maximum Power tracking in solar System in Uncertain environment using Robust Optimization” <i>International Journal of Applied Engineering Research</i> ISSN 0973-4562 Vol. 10 No.66 pp. 151-153 (2015).

9.	Sri Vidhya D Venkatesan T and Dinesh K, (2015) “Decentralized Control of Power Flow In Distribution System” International Journal of Advanced information and communication technology, Vol.1, Issue.12, pp.909-912.
10.	Premalatha R and Sri Vidhya .D“ FLC based Direct Torque Control of Induction Motor Using single current sensor” international journal of Advanced and Innovative Research, vol.3, issue 2, pp.31-36, February 2014.
11.	Karthikeyan B & Sri Vidhya D “Performance Analysis of Neuro-Fuzzy Based Speed Control of Three Phase Induction Motor” International Journal of Communications and Engineering, Volume 05– No.5, Issue: 02 March 2012 ISSN NO: 0988-0382E.
International Conference	
1.	R. Gopalakrishnan, D. Sri Vidhya, R. Gowshickraaj, E. Kamalakannan and S. Narendran, "Design and Implementation of Roving Charging Station for Electric Vehicles," 2023 7th International Conference on Trends in Electronics and Informatics (ICOEI), Tirunelveli, India, 2023, pp. 255-258, doi: 10.1109/ICOEI56765.2023.10125639.
2.	R. Gopalakrishnan, R. Pavithra, D. Sri Vidhya, S. Jaividhya and K. Sethilvadiyu, "Phasor Measurement Unit Across the World and Variables Influencing the Cost of Installing a Phasor Measurement Unit," 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Erode, India, 2023, pp. 994-999, doi: 10.1109/ICSCDS56580.2023.10104938.
3.	Sri Vidhya. D, Jaividhya. S, Devanand. K, Karthicksoundar. C, Keerthivaasan. D “Automatic Industrial Fault Detection and IoT based Remote Monitoring” pp.741-744,Second International Conference on Electronics and Renewable Systems(ICEARS 2023),02-04, March 2023.
4.	R. Gopalakrishnan, D. S. Vidhya, P. Bharath, P. Kaviyan and P. Sivaselvam, "Battery State Estimation and Control System for Mobile Charging Station for Electric Vehicles," 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Erode, India, 2023, pp. 985-989, doi: 10.1109/ICSCDS56580.2023.10104624.
5.	S. Jaividhya, D. Sri Vidhya, J. Dishwanth, N. S. Hari Bashkar and G. Mugunthan, "Low Cost Fault Identification System with IoT Monitoring," 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Erode, India, 2023, pp. 1192-1196, doi: 10.1109/ICSCDS56580.2023.10104834.
6.	Sri Vidhya D and Prasanth K “An Improvement Based on Ultra Capacitor With Design of DVR For Power Quality” has been presented in the National Conference on science and innovative engineering (ICSIE’21), International Conference on Science and Innovative Engineering, May,2 nd ,2021.
7.	Sri Vidhya, D, Kiruthikadevi S, Venkatesan T, “Stability Analysis in Smart Grid with Renewable Energy Sources” International Conference on Recent Innovations in Engineering Technology and Management (ICRIETM-2019), Nandha Engineering College,Erode, March 22 nd ,2019.

8.	Sri Vidhya, D & Venkatesan, T 2016, 'Artificial Intelligent Controllers for Indirect Field Oriented Control of Induction Motor Drive', in 2016 International Conference on Innovations in information Embedded and Communication Systems (ICIIECS'16) 17-18 March, pp. 366-371, ISSN: 978-1-4673-8207-6.
9.	Sri Vidhya, D & Kanagaraj, N 2012, 'Fuzzy logic based speed controller for indirect field oriented control of induction motor drives', in IETSD, Bannari Amman Institute of Technology, Sathy., Sep 3 & 5.
10.	Muthukumar M, Sri Vidhya D, "Implementation of adaptive fuzzy speed controller using direct torque control for induction motor drive" International conference on Innovations in intelligent instrumentation, optimization & signal processing, 1st and 2nd of March 2013 in Karunya University, Coimbatore, PP- 1731-1736.
11.	Sri Vidhya D, Karthikeyan B, "Comparison of Artificial Intelligent Technology to Induction Motor Drives", international conference on "emerging technology trends in advanced engineering research", Baseliros Mathews II College of Engineering, sasthanmotta, kollam, kerela, Feb 20 & 21, 2012.
12.	Sri Vidhya D, Karthikeyan B, "Performance Analysis of Neuro-Fuzzy based speed control of three phase induction motor", international conference on "Advanced Computing Technology"(ICTACT-2012), J.K.K.Nattraja College of Engineering and Technology, 2012.
13.	Kanagaraj N, Sri Vidhya D, and Sanavullah M Y, Hierarchical Adaptive Control Based on Fuzzy Logic for Speed Control of a DC Motor, International conference on Power Electronics and Power system control, March 2008, Salem
National Conference	
1.	Sri Vidhya D , "Smart Green Scooter", National conference on Innovation in Electrical Power and Energy Systems (NCIEPES'19) M.Kumarasamy College of Technology,Karur,8 th March, 2019.
2.	Muthukumar.A, Sri Vidhya.D, "A Novel adaptive fuzzy speed controller for direct torque control induction motor drive", Proceeding of national level conference on Recent trends in electrical science and technology, 15 th Feb 2013 in Sree Sastha institute of engineering and technology, Chennai, pp-17.
3.	Sri Vidhya D, Karthikeyan B, "Performance analysis of fuzzy logic based speed control of three phase induction motor", proceedings of national conference on emerging trends in instrumentation systems, 9 th -10 th March 2012 in Sri Ramakrishna Engineering College.
4.	Karthikeyan B , Sri Vidhya D "Design and implementation of fuzzy logic controller for the speed control of three phase induction motor" proceeding of National conference on efficient power generation and conversion,16 th march 2012. pp.135-139,K.S.Rangasamy College of Technology.
5.	Karthikeyan B,Sri Vidhya D " Performance analysis of fuzzy logic based speed control of three phase induction motor" proceeding of National conference on Emerging Trends and Instrumentation systems ,NCETIS 12, 9 th and 10 th march 2012. pp.15-19,Sri Ramakrishna Engineering College, Coimbatore.

6.	Sri Vidhya D and Kanagaraj N “Reference Model Based Adaptive Fuzzy Logic for Speed Control of a DC Motor ” National conference on Computational Intelligence and Interfacing Techniques, at K.S.Rangasamy College of Technology, Tiruchengode, during 14th and 15th March 2008.
7.	Sri Vidhya D and Kanagaraj N “Adaptive Fuzzy Controller : Application to the speed control of a DC motor” National Conference on Intelligence System for Robotics and Automation (ISRA 2008) on 19 th April 2008.

BOOK CHAPTER PUBLISHED

- Editor in conference proceeding AIMLA
- S.Jaividhya and D.Sri Vidhya “Recent Trends on multidisciplinary research -Wireless and automatic digital smart meter reading with power theft control system using IOT” ESN publication,ISBN:978-93-90781-23-2.

PROFESSIONAL RECOGNITION AND AWARDS RECEIVED

Sl.No	Type of Award	Nature of award	Awarding Institute / Organization
1.	AICTE Lilavathi Award 2021-2022	First prize winner with Cash prize of 1 lakh	AICTE
2.	International Best Researcher 2019	Trophy, medal and Certificate	International American Council for Research & Development
3.	NSF Outstanding Best Research Paper Award-First Prize Winner 2018	First prize winner	Nature Science Foundation, Coimbatore
4.	Outstanding Women Award -2018	Trophy, medal and Certificate	Venus International Foundation
5.	Appreciation for 100% results in University Examination	Certificate of Merit with Cash Prize – 5 times	K.S.Rangasamy College of Technology

INVITED TALK/GUEST LECTURE

Sl.no	Programme	Title of the Programme	Topic	Venue	Date
1.	Workshop	Dhaksha	Design with MATLAB	K.S.Rangasamy College of Technology	23.03.23-24.03.23
2.	GUEST LECTURE	One credit Course	Foundation on MATLAB	K.S.Rangasamy College of	04.02.23-18.02.23

				Technology	
3.	GUEST LECTURE	Awareness Program	Awareness Program on Intellectual Property Rights	KSR Arts and science for women	27.01.23
4.	AICTE - STTP	Energy Management and control system for smart renewable energy remote power generation	smart renewable energy and remote power generation	Annamacharya Institute of Technology and Science, Rajampet, Andhra pradesh	05.04.21 - 10.04.21
5.	AICTE - STTP	Challenges and Opportunities in Implementing IoT and Machine Learning for Smart Grid Distribution Systems	Opportunities in implementing IoT for Smart Grid Systems	Kongunadu College of Engineering and Technology-online	20.01.21
6.	FDP	Future of Mechanical Engineering with AI	Application of Fuzzy and neural network in mechanical engineering	K.S.Rangasamy College of Technology-online	18.06.20
7.	GUEST LECTURE	GUEST LECTURE for EEE Students	Matrix Converter	Nandha College of Technology	11.01.20
8.	AICTE FDP	Challenges and opportunities in execution of big data analytics for smart electrical power distribution system design: A research perspective	Tools and Technologies for Smart Grid	K.S.Rangasamy College of Technology	08.11.2019
9.	IE(I)- Seminar	Technological Progress and challenges in Smart Grid Integration with Distributed Generation	IoT in smart grid	K.S.Rangasamy College of Technology	01.02.2019
10.	Workshop	Software Tools	Introduction to MATLAB	Vellalar College of Engineering	02.01.2018

CONFERENCE / SEMINAR / WORKSHOPS ORGANIZED AS COORDINATOR

Sl. No.	Title of the Conference / Seminar / Workshop organized	Month/Year	Venue	Sponsoring Authority
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1.	National Intellectual Property Mission	20.01.2023	Online	Intellectual Property Office,India
2.	Challenges and Opportunities in Execution of Artificial Intelligence for Electric Vehicle Design	04.01.21 to 08.01.21	Online- K S Rangasamy College of Technology	Atal Sponsored FDP
3.	Challenges and Opportunities in Execution Of Big Data Analytics for Smart Electrical Power Distribution System Design: A Research Perspective	04.11.19 to 17.11.19	K S Rangasamy College of Technology	AICTE
4.	Technological Progress and Challenges in Smart Grid Integration with Distributed Generation	01.02.19 to 02.02.19	K S Rangasamy College of Technology	IEI –Salem Local Center
5.	Emerging Power Scenario in Power Engineering and Electrical Drives (Espeed 2019)	15.03.19	K S Rangasamy College of Technology	-
6.	Emerging Power Scenario in Power Engineering and Electrical Drives (Espeed 2018)	March 12.03.18	K.S.Rangasamy College of Technology	-
7.	National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSPEED 2017)	15.03.17	K.S.Rangasamy College of Technology	-
8.	National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSPEED 2016)	17.03.16 To 18.03.16	K.S.Rangasamy College of Technology	IE(I)
9.	FDTP on “Power System Analysis”	16.12.14 to 23.12.14	K.S.Rangasamy College of Technology	Anna University
10.	National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSPEED 2015)	20.03.15	K.S.Rangasamy College of Technology	-
11.	National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSPEED 2014)	20.03.14 to 21.03.14	K.S.Rangasamy College of Technology	-
12.	National Conference on Emerging Scenario on Power Engineering and Electrical Drives (eSPEED 2013)	07.02.13	K.S.Rangasamy College of Technology	-
13.	National Conference on Efficient Power Generation and Conversion (Power Gen 2012)	16.03.12 to 17.03.12	K.S.Rangasamy College of Technology	-

DETAILS OF MEMBERSHIP IN PROFESSIONAL SOCIETIES

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1.	IE(I)	Member	M-1761948
2.	ISTE	Life Member	Life Member: LM 64108

Academic responsibility

- Department Research and Development Coordinator
- Module coordinator
- NBA Criteria coordinator
- Overall college level Admission team member
- College level IIC program Technology Transfer Team head
- Class Advisor
- Project Coordinator
- Program Organizing Coordinator
- IRINS coordinator

Certified Courses

- Eligible to execute the GEM Sustainability Certification Projects by clearing “Green and Eco-friendly Movement Certified Professional Test (GEM CP)” with Excellent Performance on 16 July, 2021.
- NPTEL courses on
 - Patent Drafting for Beginners
 - Design Thinking-A Primer
 - Electric Vehicle
 -
 - Introduction to Smart grid
 - Control Engineering
 - Introduction to IoT
- MATLAB courses on
 - Onramp
 - Simulink Onramp

- Deep Learning Onramp

Program Attended

Sl.No	Programme	Title of the programme	Venue	Sponsored	Date
1.	Workshop	Patent Drafting	Anna University Guindy	Annamalai Innovation and Incubation Research Foundation/ AIC-AU Incubation Foundation	03.05.23-05.05.23
2.	Fresher course	Inculcating Universal Human Values in Technical Education	Online	AICTE	31.06.21 to 05.06.21
3.	Workshop	NPTEL E-Awareness Workshop	Online	NPTEL-IIT madras	19.05.21
4.	Seminar	Kalam program for IP literacy and Awareness	Online	Ministry of Education, Ministry of Education's Innovation cell and AICTE	15.10.20 to 23.10.20
5.	Workshop	Intellectual Property Rights & Entrepreneurship	Sona college of Technology	Programme Monitoring Office –Innovation & Entrepreneurship Development Programme	11.01.21 to 12.01.21
6.	Workshop	Intellectual Property as a Strategic Asset for Technology Transfer	K.S.Rangasamy college of Technology	Department of Biotechnology	15.02.20
7.	Webinar	online Publication Tracking and Creating Researcher Profile for Faculty members of KSREI	K.S.Rangasamy college of Technology	Library & Reader's Club	28.09.20
8.	STTP	NBA Accreditation	K.S.Rangasamy College of Technology, Tiruchengode	National Institute of Technical Teaching Training	22.04.19 to 26.04.19

				Research, Kolkata	
9.	Workshop	Intellectual Property Rights	Coimbatore Institute of Technology	MHRD, Government of India	24.01.19
10.	Seminar	How to write a Successful Project Proposal to Funding Agencies	K.S.Rangasamy College of Technology	Library & Reader's Club	21.07.18
1.	Workshop	Electric Power Systems	K.S.Rangasamy College of Technology	IIT, Kharagpur	10.07.17
2.	Staff Training Program	Modeling and simulation of non linear systems	Coimbatore Institute of Technology	AICTE	15.02.16
3.	Workshop	MATLAB workshop with emphasis on Renewable Energy Sources Integrated to Utility Grids	K.S.Rangasamy College of Technology	Centre for Hybrid Energy Systems	09.10.15
4.	Workshop	workshop on "Control Systems"	K.S.Rangasamy College of Technology	IIT, Kharagpur	02.12.14
5.	Seminar	Advanced Control Techniques For Electrical Drives	Vivekanandha Institute of Engineering and Technology for Women	AICTE	22.11.13
6.	FDP	Recent Advancements in Generation and Utilization of Renewable Energy	K.S.R College of Engineering, Tiruchengode	AICTE	15.05.13
7.	FDP	Nanotechnology for sustainability: Energy Conversion and Storage	K.S.Rangasamy College of Technology	AICTE	06.05.13
8.	Seminar	Nano-Dielectric Materials in Electrical Insulation Application	K.S.Rangasamy College of Technology	CSIR	16.11.12
9.	Workshop	Smart Grid for Distributed Energy Resources	K.S.Rangasamy College of Technology	CSIR	18.11.11
10.	Seminar	Application of intelligent Techniques in the Analysis and Design of Electrical	K.S.R College of Engineering	AICTE	29.05.11

		Systems			
11.	Seminar	Research Issues on Photovoltaic Cells in Renewable Energy Systems	Kongu Engineering College	BRNS	15.12.10
12.	Annual Convention	Emerging Trends in Engineering Education-Indian Perspective	K.S.Rangasamy College of Technology	ISTE	29.10.10
13.	Seminar	Modeling and Control of Renewable Energy Power Plants for Efficient and Quality Power Generation	K.S.Rangasamy College of Technology	MNRE	19.08.10
14.	Workshop	Hands on Training on Signal Processing using MATLAB	Kongu Engineering College	-	30.07.10

Sl.No	ID	Link
1.	Google Scholar	https://scholar.google.com/citations?user=cxRTNMIAAAAJ
2.	Scopus	Scopus Author ID: 57120090200
3.	Vidwan	https://vidwan.inflibnet.ac.in/profile/178866
4.	Publons	https://publons.com/researcher/1543604/sri-vidhya-dhandapani/
5.	ORCID	https://orcid.org/0000-0002-8882-9459
6.	LinkedIn	www.linkedin.com/in/drdsrividhya

The above document is true to best of my knowledge.

Dr. D. SRI VIDHYA