



Bio Data

PERSONAL DETAILS

Name : **Dr.D.SRI VIDHYA**

Designation : Associate Professor

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

Father's Name : N. Dhandapani

Date of Birth & Age : 22.11.1982, 35 Years

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Google scholar Citation Index: 24 h index:3 i10 index:1

Scopus index: 14/14 h index: 2

Scopus Author ID: 57120090200

ACADEMIC PROFILE

Degree	Institution/University	Specialization	Year of completion	% of Marks	Class obtained
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	APR 2008	80	First class with distinction
B.E.	Bannari Amman Institute of Technology	EEE	APR 2004	75.59	First class
HSC	Vellalar Girls Higher secondary School, Thindal	First Group	2000	82.75	First class
SSLC	Sri Krishna Balabhavan Matric School, Bhavani	-	1998	73	First class

PROFESIONAL EXPERIENCE

Teaching: UG - 10 years

PG – 09 years

S.No	Institution	Post held	Period	
			From	To
1	K.S.Rangasamy College of Technology, Tiruchengode	Associate Professor	31.08.2018	Till Date
2	K.S.Rangasamy College of Technology, Tiruchengode	Asst. Professor	27.05.2009	31.08.2018
3	V.S.B Engineering College, Karur	Lecturer	06.09.2004	25.08.2005

Administrative experience

Sl. No.	Name of the Assignment	Duration	Nature of responsibility
1	Purchase	2010-2012	Purchasing of Consumable and non-consumables for the department
2	Department R&D Cell	2010 to till now	Promote Research activity and Conduct Programme

JOURNAL PUBLICATIONS/CONFERENCES/WORKSHOPS

Journal Publications		No. of Conferences attended		No. of Workshop/Seminar/STTP	
National	International	National	International	Attended	Organized
00	08	06	06	14	07

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 PUBLICATIONS MADE

International Journals:	
1.	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)
2.	S Gomathi, T Venkatesan, D. Sri Vidhya "Design and Implementation of Fault Current Limiters in Distribution System Using Internet of Things" Springer -Wireless Personal Communications(2018),Vol. 102,pp. 2643–2666. https://doi.org/10.1007/s11277-018-5281-9

3.	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- International Journal of Fuzzy Systems (2017) Vol.19 No. 4 pp. 1093-1103. Doi:10.1007/s40815-016-0221-x ISSN:1562-2479.
4.	Sri Vidhya, D & Venkatesan, T 2016, 'A Review on Performance Analysis of Matrix Converter Fed AC Motor Drive' International Journal of Power Electronics and Drive System (IJPEDS) vol. 7, no. 1, March, pp. 85~93 ISSN: 2088-8694.
5.	Sri Vidhya D and Dinesh K, (2015) "Maximum Power tracking in solar System in Uncertain environment using Robust Optimization" International Journal of Applied Engineering Research ISSN 0973-4562 Vol. 10 No.66 (2015).
6.	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.
7.	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.
8.	B.Karthikeyan & D.Sri Vidhya "Performance Analysis of Neuro-Fuzzy Based Speed Control of Three Phase Induction Motor" in International Journal of Communications and Engineering , Volume 05– No.5, Issue: 02 March 2012 ISSN NO: 0988-0382E.
	International Conference
1.	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.
2.	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.
3.	Muthukumar.M, Sri Vidhya.D, "Implementation of adaptive fuzzy speed controller using direct torque control for induction motor drive" proceedings of International conference on Innovations in intelligent instrumentation, optimization & signal processing, 1st and 2nd of March 2013 in Karunya University, Coimbatore, PP- 1731-1736.
4.	D.Sri Vidhya, B.Karthikeyan, "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.

5.	D.Sri Vidhya, B.Karthikeyan, “Performance Analysis of Neuro-Fuzzy based speed control of three phase induction motor”, international conference on “Advanced Computing Technology”(ICACT-2012), J.K.K.Nattraja College of Engineering and Technology, 2012.
6.	N.Kanagaraj, D.Sri Vidhya, and M.Y. Sanavullah, 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.	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.
2.	D.Sri Vidhya, B.Karthikeyan, “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.
3.	B.Karthikeyan & D.Sri Vidhya “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,16th march 2012. pp.135-139,K.S.Rangasamy College of Technology.
4.	B.Karthikeyan & D.Sri Vidhya “ 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, 9th and 10th march 2012. pp.15-19,Sri Ramakrishna Engineering College, Coimbatore.
5.	D.Sri Vidhya 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.
6.	D.Sri Vidhya 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.

LIST OF WORKSHOPS / TRAINING PROGRAMMES ATTENDED

Sl. No.	Title	Venue	Duration	Sponsoring Authority
1.	Workshop on “Power Systems”	K.S.Rangasamy College of Technology, Tiruchengode	10.07.17 to 15.07.17	IIT, Kharagpur

2.	Value added course on “Modeling and simulation of non linear systems”	EEE,CIT, Coimbatore	15.02.16 to 21.02.16	AICTE
3.	MATLAB workshop with emphasis on Renewable Energy Sources Integrated to Utility Grids	EEE, K.S.Rangasamy College of Technology	09.10.2015 to 10.10.2015	Centre for Hybrid Energy Systems
4.	workshop on “Control Systems”	K.S.Rangasamy College of Technology, Tiruchengode	02.12.14 to 12.12.14	IIT, Kharagpur
5.	National seminar on Advanced Control Techniques For Electrical Drives	EEE, Vivekanandha Institute of Engineering and Technology for Women, Tiruchengode	22.11.2013 to 23.11.2013	AICTE
6.	FDP on Recent Advancements in Generation and Utilization of Renewable Energy	EEE, K.S.Rangasamy College of Technology, Tiruchengode	15.05.2013 to 28.05.2013	AICTE
7.	FDP on Nanotechnology for sustainability: Energy Conversion and Storage	EEE, K.S.Rangasamy College of Technology, Tiruchengode	06.05.2013 to 18.05.2013	AICTE
8.	National Seminar on Nano-Dielectric Materials in Electrical Insulation Application	EEE, K.S.Rangasamy College of Technology, Tiruchengode	16.11.2012 to 17.11.2012	CSIR
9.	National Workshop on Smart Grid for Distributed Energy Resources	EEE, K.S.Rangasamy College of Technology, Tiruchengode	18.11.2011 to 19.11.2011	CSIR
10.	National Seminar on Application of intelligent Techniques in the Analysis and Design of Electrical Systems	EEE,K.S.R.College of Technology, Tiruchengode	29.05.2011 to 30.05.2011	AICTE
11.	Seminar on Research Issues on Photovoltaic Cells in Renewable Energy Systems	EEE, Kongu Engg College, Perundurai	15.12.2010 to 16.12.2010	BRNS

12.	13 th ISTE Annual Convention on Emerging Trends in Engineering Education-Indian Prespective	ISTE and EEE,K.S.R.College of Technology, Tiruchengode	29.10.2010 to 30.10.2010	
13.	National Seminar on Modeling and Control of Renewable Energy Power Plants for Efficient and Quality Power Generation	EEE, K.S.R.College of Technology, Tiruchengode	19.08.2010 to 21.08.2010	MNRE
14.	Workshop on Hands on Training on Signal Processing using MATLAB	Dept of EIE, Kongu Engg College, Perundurai	30.07.2010 to 31.07.2010	-

CONFERENCE / SEMINAR / WORKSHOPS ORGANIZED AS COORDINATOR

Sl. No.	Title of the Conference / Seminar / Workshop organized	Month/Year	Venue	Sponsoring Authority
1.	Technological Progress and Challenges in Smart Grid Integration with Distributed Generation	1 st and 2 nd February 2019	K S Rangasamy College of Technology	IEI –Salem Local Center
2.	Emerging Power Scenario in Power Engineering and Electrical Drives (Espeed 2019)	15 th & 16 th March, 2019	K S Rangasamy College of Technology	
3.	Emerging Power Scenario in Power Engineering and Electrical Drives (Espeed 2018)	March 2018		
4.	National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSPEED 2017)	March 2017	K.S.Rangasamy College of Technology	
5.	National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSPEED 2016)	17-18 March 2016	K.S.Rangasamy College of Technology	IE(I)
6.	FDTP on “Power System Analysis”	16 th to 23 rd December 2014	K.S.Rangasamy College of Technology	Anna University

7.	National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSPEED 2015)	20 th March 2015	K.S.Rangasamy College of Technology	
8.	National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSPEED 2014)	20 th and 21 st March 2014	K.S.Rangasamy College of Technology	
9.	National Conference on Emerging Scenario on Power Engineering and Electrical Drives (eSPEED 2013)	7 th February 2013	K.S.Rangasamy College of Technology	
10.	National Conference on Efficient Power Generation and Conversion (Power Gen 2012)	16 th & 17 th March 2012	K.S.Rangasamy College of Technology	

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

Sl. No.	Title of the Thesis Supervised	Name of the candidate	Completed (year)	In progress (With Status)
1.	Robust decentralized control of the power flow in micro grids	K.Dinesh	2015	Completed
2.	Fuzzy based direct torque control of induction motor using single current sensor	R.Premalatha	2014	Completed
3.	Implementation of adaptive fuzzy speed controller for direct torque control induction motor drive	A.Muthukumar	2013	Completed
4.	Performance analysis of neuro fuzzy based speed control of induction motor drives	B.Karthikeyan	2012	Completed

DETAILS OF MEMBERSHIP IN PROFESSIONAL SOCIETIES

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1	ISTE	Life Member	Life Member: LM 64108

PROFESSIONAL RECOGNITION AND AWARDS RECEIVED

Type of Award	Nature of award	Awarding Institute / Organization
International Best Researcher 2019	Trophy, medal and Certificate	International American Council for Research & Development
NSF Outstanding Best Research Paper Award-First Prize Winner 2018	First prize winner	Nature Science Foundation,Coimbatore
Outstanding Women in Engineering 2018	Trophy, medal and Certificate	Venus International Foundation
Appreciation for 100% results in University Examination	Certificate of Merit with Cash Prize – 6 times	K.S.Rangasamy College of Technology

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