

RESUME

Name : **Dr. S. SRINATH**

Address : Flat No. S1, 2nd Floor,
Ruby Vasantham Apartments
Plot No.1, 6th Avenue, Banu Nagar
Pudur, Ambattur, Chennai – 600 053.

Age and D.O.B. : 39 years, 27-07-1976

Languages Known : Tamil, English and Hindi

Present position : Associate Professor
EEE Department
Velammal Engineering College
Chennai – 600 066.
Office : 044 – 3966 6231



Educational / Professional Qualifications

S.No.	Name of the Degree	School / College / Institution	Board / University	Year of Passing	Specialization	Grade
1	Doctoral of Philosophy	National Institute of Technology, Trichy (NITT)	National Institute of Technology, Trichy	2008 -2012	Electrical Engineering (Power Quality improvement)	-
2	Master of Engineering	College of Engineering Guindy, (CEG)	Anna University	2006	Power Electronics & Drives	CGPA 7.632
3	Bachelor of Technology	Regional Engineering College, Hamirpur (NITH)	Himachal Pradesh University	1998	Electrical Engineering	71.43%
4.	Master of Arts	Dakshina Bharat Hindi Prachar Sabha	Hihndi Prachar Sabha	2006	Hindi Literature	First Class
5.	Advance Diploma in Project Management	Alagappa University	Alagappa University	2004	Project Management	First Class
6.	Higher Secondary	St.Joseph Higher Secondary School	Tamil Nadu Board	1993	Maths, Physics, Chemistry	89.83%
7.	Secondary	St.Joseph Higher Secondary School	Tamil Nadu Board	1991	-	92.2%

Industry / Teaching Experience

S.No	Position	Employer / Institution	Period	Department
1.	Assistant Professor	Velammal Engineering College, Chennai – 66	June 2001 to till date	EEE
2.	Lecturer	Adiparasakthi Engineering College	May 2000 to 11 th June 2001	EEE
3.	Lecturer	Adiparasakthi Polytechnic	Sep. 1999 – May 2000	EEE
3.	Apprentice Trainee	Tamil Nadu Electricity Board	May 1999 – Sep. 1999	EEE
4.	GET	Balaji Automation Systems	May 1998 to April 1999	R & D

List of Publications : Annexure A

- International Journals : 9
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Books Authored - 2

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Research guidance (M.E.) - 4 (Completed)

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Responsibilities handled at VEC

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PERSONAL DETAILS

Father's Name	:	S. Subbaraman (Late)
Marital Status	:	Married
Spouse Name	:	Mrs. N. Deepa
No. of Children	:	2
Passport No.	:	H7974711 ; Valid till 13-06-2020

The above furnished details are true to the best of my knowledge and belief.

Place : Chennai

(S. SRINATH)

Date :

Annexure A

LIST OF PUBLICATIONS

International Journals :

- 1) **S. Srinath** and M.P. Selvan (2011) A Combined Mode Control for UPQC Connected to a Low Voltage Distribution System. *Australian Journal of Electrical and Electronics Engineering*, **8(3)**, 257 – 270.
- 2) **S. Srinath** and M.P. Selvan (2011) Effect of Reference Generation Schemes on the Performance of Parallel Active Power Filter: A Comparison, *Springer Lecture Notes in Electrical Engineering, Advances in Electrical Engineering and Electrical Machines*, **134**, 253 – 259.
- 3) **S. Srinath** and M.P. Selvan (2012) UPS mode operation of UPQC with mixed mode control. *International Review of Automatic Control*, **5(3)**, 342-348.
- 4) **S. Srinath** and M.P. Selvan (2012) Performance Analysis of UPQC with Heterogeneous Control during Load Power Factor Variation. *European Transactions on Electrical Power*, **22(7)**, 937 – 960.
- 5) **S. Srinath** and M.P. Selvan (2013) A simple digital control algorithm for three phase shunt active filter : simulation and experimentation, *Frontiers in Energy*, Springer Publication, DOI. 10.1007/s11708-013-0288-0, Dec. 2013.
- 6) **S. Srinath, S. Poongothai, S. Boonachellam** (2015) Power Quality Enhancement Using Distributed Generation integrated Unified Power Quality Conditioner, *International Journal of Applied Engineering Research*, ISSN 0973-4562, **10(10)**, pp. 9844-9849.
- 7) **S. Srinath, R.Siva, K. Naresh Kumar** (2015) Effect of New Converter Transformer with Inductive Active Filtering in Distribution System, *International Journal of Applied Engineering Research*, ISSN 0973-4562, **10(10)**, pp. 9666-9671.
- 8) **S. Srinath, A. Magesh, Sheila Haran** (2015) Mitigation of Current Quality Issues in a DG integrated Shunt Active Filter with hysteresis Control, *International Journal of Applied Engineering Research*, ISSN 0973-4562, **10(10)**, pp. 9660-9665
- 9) **S. Srinath, K. Naresh Kumar, R Siva** (2015) Power Quality Enhancement in a distribution system using inductive active filtering technique, *Advances in Intelligent Systems and Computing*, Springer Series, ISBN: 978-81-322-2654-2, Vol. 1, DOI : 10.1007/978-81-322-2656-7_114, 2016.

National Journals:

- 1) **S. Srinath, S. Arul Selvi, G. Uma**, G-K clustering approach of TS fullzy model for a nonlinear ZCS- QRC” *Journal on emerging technology*, July 2008, 66 -71.

International Conferences:

- 1) **S. Srinath, S. Poongothai and S. Boona Chellam** (2015) Power Quality Improvement Using DG-UPQC with Adaptive Neuro-Fuzzy Inference System Controller, *Proceedings of*

International Conference on Computing, Communication and Power Technologies (ICCCPT 2015), Velammal Engineering College, Chennai, India., Vol.1., PP. 86-91, April 2015.

- 2) **S. Srinath** and A. Magesh (2015) Mitigation of Current Quality Issues in a DG integrated Shunt Active Filter with Hysteresis Control, *Proceedings of International Conference on innovative Strategies in Renewable Energy and its applications (ISREA), Salem, India, Vol.1, March 2015.*
- 3) **S. Srinath** and R. Siva (2015) Effect of New Converter Transformer with Inductive Active Filtering in Distribution System, *Proceedings of International Conference on innovative Strategies in Renewable Energy and its applications (ISREA), Salem, India, Vol.1, March 2015.*
- 4) **S. Srinath** and S. Anantheesh Kumar (2014) Comparison of UPQC configurations for power quality improvemnet, *Proceedings of International Conference on Recent Trends in Engineering and Technology, Coachin, Kerala, Coimbatore, 18-19, Jan. 2014, Vol.1, pp. 35-41.*
- 5) **S. Srinath** and S. Anantheesh Kumar (2014) Performance comparison of Left shunt UPQC and Right shunt UPQC for power quality enhancement”, *Proceedings of International Confernece on Renewable Energy Utilization, CIT, Coimbatore, 8-10, 2014.*
- 6) **S. Srinath** and M. P. Selvan, Chandan Kumar (2012) Digital feedback control based DVC for voltage sag mitigation: Simulation and Experimental validation, *Proceedings of IEEE International Conference on Industrial and Information Systems (ICIIS 2012), IIT Madras, Chennai., pp. 1-6. doi.: 10.1109/ICIInfS.2012.6304776*
- 7) **S. Srinath** and M. P. Selvan, Chandan Kumar (2011) Dynamic Voltage Compensator: Transformation less Control Perspective. *Proceedings of IEEE International Conference on Innovative Smart Grid Technologies (ISGT 2011), Kollam, India. (doi: 10.1109/ISGT-India.2011.614535)*
- 8) **S. Srinath** and M. P. Selvan (2011) Investigations on Rating of Shunt APF in Unified Power Quality Conditioner. *Proceedings of IET International Conference on Sustainable Energy and Intelligent Systems (SEISCON 2011), Chennai, India. (doi: 10.1049/cp.2011.0326)*
- 9) **S. Srinath** and M. P. Selvan (2010) Indigenious control of augmented DC voltage in D-Statcom. *Proceedings of IEEE International Symposium on Industrial Electronics and Applications, (ISIEA 2010), Penang, Malaysia. (doi: 10.1109/ISIEA.2010.5679460)*
- 10) **S. Srinath** and M. P. Selvan, K. Vinoth Kumar (2010) Comparative Evaluation of Performance of Different Control Strategies On UPQC Connected Distribution System. *Proceedings of IEEE International Conference on Industrial and Information Systems (ICIIS 2010), Surathkal, India, 502 – 507.(doi: 10.1109/ICIINFS.2010.5578651)*
- 11) **S. Srinath**, M.P. selvan, Vinoth kumar K, (2010) Impact of DG model and load model on placement of multiple DGs in distribution system, *Proceedings of IEEE International Conference on Industrial and Information systems(ICIIS 2010), Surathkal, India, 508 – 513.*

- 12) **S. Srinath**, Sheila C Haran (2002) Recent Trends in Maintenance Technologies of EHV Transmission Lines, *Proceedings of the International Conference on RTMT of EHV Lines, CBIP, New Delhi, April 2002*.

National Conferences:

- 1) **S. Srinath** and S. Poongothai and S. Boonachellam (2015) Impact of power quality issues using unified power quality conditioner with distributed generation interconnection, *Proceedings of the National Conference on Recent trends in power electronics and power system (RTPEPS), RMK Engineering College, Chennai, Vol.1, pp. 110 – 115*
- 2) **S. Srinath** and **S. Divya** (2014) Performance Comparison of VSI and CSI based Shunt Active Filter using Instantaneous P-Q theory, *Proceedings of the National Conference on Recent trends in electrical drives, Chennai, Vol.1, March 2014*.
- 3) **S. Srinath** and S. Anantheesh Kumar (2014) Power Quality Augmentation with RS-UPQC under distorted input condition, *Proceedings of the National Conference on Intelligent Power Electronics Technology (IPET)*, 24 March 2014, R.M.D. Engineering College, Chennai, Vol. 1, pp. 82 – 88.
- 4) **S. Srinath** and S. Anantheesh Kumar (2014) Power Quality Improvement with right shunt UPQC in distribution systems, *National Conference on Computational Intelligence in Electrical and Electronics Engineering, Satyabama Univeristy, 6-7, Feb., Vol. 1, pp.211-216*.
- 5) **S. Srinath**, Anu G Kumar and M.P. Selvan (2012) Simulation and Experimental Verification of Transformationless Control of Series Active Filter for Mitigating Load Voltage Harmonics, *Proceedings of the National Power System Conference (NPSC 2012)*, **BHU, Varanasi, India**.
- 6) **S. Srinath**, Anu G Kumar and M.P. Selvan (2012) Experimental Verification of Unified Power Quality Conditioner with Transformationless Combined Mode Control, *Proceedings of the National Power System Conference (NPSC 2012)*, **BHU, Varanasi, India**.
- 7) **S. Srinath**, S. Prabhakaran, K. Mohan and M. P. Selvan, (2010) Implementation of Single Phase Parallel Active Power Filter for Low Voltage Distribution System. *Proceedings of the National Power System Conference (NPSC 2010), Hyderabad, India, 1, 295 – 300*.
- 8) K. Mohan, S. Prabhakaran, **S. Srinath** and M. P. Selvan, (2010) Effect of Short Circuit Level of Distribution System on the Performance of Series Active Filter. *Proceedings of National Conference (CPEDS 2010), Andhra University, Visakapattinam, India, 1, 25 – 31*.
- 9) **S. Srinath**, R. Geetha and Mrs. Sheila haran (2008) Fuzzy cluster model for quasi resonant converter, *Proceedings of the National Conference on Communication, Computation, Control and Automation (CCCCA), Ramakrishna Institute of Technology, Coimbatore*.
- 10) **S. Srinath**, R. Geetha, Forced Commutated cyclo converter with effective commutation, *Proceedings of National conference on Innovative Techniques in Power Engineering and Drives, ITPED 2008, Chennai, India*.

- 11) **S. Srinath**, N. Mahalingam, Need for Industrial Internship in Engineering Curriculum, Proceedings of the National Conference on Engineering and Education, Mepco Schlnc Engineering College, Vol.1, Jan. 2004.
- 12) **S. Srinath**, R. Geetha, Sheila C Haran, Energy Efficient Motors, Proceedings of the National Confernece on Emerging Trends in Engineering Technology & Management, Vol.1Sept. 2003.

Details of Workshop / FDP / STTP Attended

S.No.	Topic	Organised By	Duration
31	New Strategic Plan – 2014	Velammal Engineering College (NSP committee)	2014
30	Academic conclave	National Instruments	20/08/2014
29	Educators day 2012	National Instruments	16/10/2012 – 17/10/2012
28	Short term course on “Power System Stability Issues with Distributed Generators”	National Institute of Technology, Trichy	29/06/2012 – 30/06/2012
27	SDP on Recent researches on fuzzy logic and neural networks	National Institute of Technology ,Trichy	21/6/2010 – 03/7/2010
26	SDP on Engineering Practices on fuzzy logic, neural networks and hybrid systems	National Institute of Technology ,Trichy	15/06/2009 – 27/06/2009
25	Workshop on Power Electronic Circuit Simulation using SEQUEL	National Institute of Technology ,Trichy	04/05/2009
24	National Workshop on Power Electronics Application in Power Systems	Vellore Institute of Technology (VIT University)	06/03/2009 – 07/03/2009
23	National Workshop on Power Electronics (NWPE 2008)	National Institute of Technology ,Trichy	12/11/2008 – 14/11/2008
22	Workshop on Mission 10X learning approach development programme	Velammal Engineering College	25/07/2008 – 26/07/2008
21	Seminar of Promoting Excellence in Technical Education – The Deemed University Model	Velammal Engineering College	28/03/2008
20	Workshop on computing, conditioning and controlling techniques applied to Electrical Engineering	AMS college of Engineering	09/02/2008
19	Workshop on Embedded Microcontrollers	Jerusalem College of Engineering	24/01/2008
18	Workshop of high impact presentation skills	Velammal Engineering College	10/12/2007 – 11/12/2007
17	Mission 10X workshop	Velammal Engineering College	10/12/2007 – 14/12/2007
16	Workshop on Applications of digital variable speed drives	Kongu Engineering College	13/09/2007 – 14/09/2007
15	FDP on Power Electronics	Jerusalem College of Engg.	02.05.2007-03.05.2007
14	Workshop on Application of FEA packages	SSN College of Engineering	21/12/2006 – 22/12/2006
13	FDP on Power Electronics	Centre for FDP, Anna University at Eswari Engineering College	12/06/2006 – 26/06/2006
12	Energy conservation and Management	Sree Sashta Institute of	15/02/2006

		Engineering and Technology	
11	Workshop on Recent trends in modeling of semiconductor & electromagnetic devices	Sri Venkateswara College of Engineering	28/11/2003 – 29/11/2003
10	STTP on Power System Studies – Mi Power Way	Velammal Engineering College	09/10/2003 – 11/10/2003
9	QIP on Digital Signal Processing / Processors	IISC, Bangalore	30/06/2003 – 04/07/2003
8	Application of MiPower Software to Power System Studies	Bannari Amman Institute of Technology	07/04/2003 – 09/04/2003
7	Workshop on Internet for Education	R.M.D. Engineering College	07/09/2002
6	Seminar on Effective Teaching	GKM College of Engineering and Technology	12/08/2002
5	Training program on MATLAB software	Velammal Engineering College	06/07/2003 – 07/07/2003
4	AICTE-ISTE, STTP on wireless security challenges	Periyar Maniammai College of Technology for Women	18/11/2002 – 29/11/2002
3	Tutorial on Voltage Sources Converter (VSC) based FACTS controllers : Modelling and Applications	IIT, Madras	07/10/2002
2	Industrial Training for College Staff	Lucas-TVS	05/05/2002 – 17/05/2002
1	National Workshop on Recent Trends in High Voltage Engineering	SASTRA, Thanjavur	03/11/2001 – 05/11/2001

Awards / Scholarships Won

- Awarded **National Merit Scholarship** of Tamil Nadu Government for securing 416th Rank in the SSLC (10th Std.) Examination
- Awarded full Foreign Travel Grant by **CSIR**, Govt. of India, for presenting research paper in Malaysia during Oct. 2010
- Awarded Full travel support under ITS of **DST** for presenting research paper at Macau, Republic of China during Sep 2011.
- Faculty Interview Panel Member – Velammal Institute of Technology – April 2015

Annexure D

FDP / STTP / Workshop Organised

- Co-ordinator - STTP on Power System Studies – MiPower way in association with Power Research Development Corporation (PRDC) Bangalore at Velammal Engineering College in 2002.
- Co-ordinator - International Conference on Communications & Power Systems, at Velammal Engineering College in 2006.
- Co-ordinator - FDP for the engineering college faculty in association with Trident Techlabs, Chennai – 9th Feb. 2013
- Co-ordinator - National Conference Innovative Techniques in Power Engineering & Drives 2013, at Velammal Engineering College in March 2013
- Co-ordinator – Joint International Conference on Communication, Control and Power Technologies & Artificial Intelligence and Evolutionary Computing in Engineering systems – 22 & 23, April 2015.
- Co-ordinator – Two days Workshop on ElectroNIKS for II year EEE students on 18th and 19th June 2015, in association with M/s. Livewire (A division of CADD), Chennai.
- Co-ordinator - PROXPO-2K15 as HOD/EEE – Project Exhibition for EEE students – 28-08-2015
- Co-ordinator - FDP on Soft Computing Techniques in Matlab & PSCAD – 29 & 30, Oct, 2015.

Annexure E

Books Authored

- Electromagnetic Theory – Charulatha Publications – June 2002
- Basics of Electrical and Electronics Engineering – Rashene Publications – Dec. 2013

Expert Lecture Delivered

- Lecture on *Overview of FACTS devices* – 7 days FDP – Sponsored by Anna University – Saveetha Engineering College, 18th October 2015.
- Lecture on *Soft computing techniques applied to Power Converters in the area of Power Quality* – 29th October 2015 – FDP, EEE Department, Velammal Engineering, College, Chennai.
- Lecture on Power Quality – *Role of Active Power Filters and UPQC*, The Institution of Engineers – 12th August 2015.
- Lecture on *Electromagnetic Theory – A Overview*, Department of EEE, Velammal Institute of Technology, Chennai.
- Lecture on *Power Generation and its Controllers*, School of Electrical Engineering and Technology (SELECT), VIT, Deemed University, Chennai Campus – 18th August 2015.
- Lecture on *Wind Power Generation using DFIG*, at the School of Electrical Engineering and Technology (SELECT), VIT, Deemed University, Chennai Campus – 15th April 2015.
- Lecture on *Solid State Drives – Design of controllers for drives*, R.M.K. Engineering College – 10th Dec. 2014.
- Lecture on *Electromagnetic Theory- A Overview*, R.M. K. College of Engineering and Technology – 23rd August 2014.
- Lecture on *Embedded System Applications to Power Electronics*, FDP sponsored by AICTE, Velammal Engineering College – 13th June 2014.
- Lecture on *Slip Power Recovery Schemes* at Jaya Engineering College, FDP Sponsored by Anna University – 13th May 2014.
- Session Chair – International Conference at Saveetha Engineering College – 28th March 2014
- Lecture on *Power Quality – Problems and Remedies* at Anna University, Trichy – TEQIP sponsored FDP – 14th Dec. 2013.
- Lecture on *Recent Trends in Maintenance Technologies of EHV Transmission Lines* – Institution of Engineers, Chennai – Dec. 2002
- Lecture on *Brushless DC Motors* at CVRDE, Avadi, August 2002.

Annexure G

Doctoral Committee Member – Anna University

S.No.	University	Name of the candidate	Year of registration
1	Anna University, Trichy	Mr. A. Ramesh, Reg. No. 1414359784	July 2014
2.	Anna University, Chennai	Ms. R. Preethishri Reg. No. 15243991641	Jan. 2014
3.	Anna Univeristy, Chennai	Ms. Annie Isabella Reg. No. 1524399747	June 2015

Annexure H

Research Guidance

- **Recognized research supervisor – Recognition No. 2330339 – Anna University, Chennai**

- **Recognized research supervisor – Recognition No. SP14EES001, St. Peter's University, Chennai**

S.No.	University	Name of the candidate	Year of registration
1	Anna University, Chennai	Mrs. S. Poongothai Reg No. 1423399741	July 2014
2.	Anna University, Chennai	Mr. K. Naresh Kumar Reg. No. 1414399751	July 2014
3.	Anna University, Chennai	Mr. S. Joyal Isac Reg. No.1414399762	July 2014
4.	Anna University, Chennai (Joint Supervisor)	Mrs. V. Selve Reg. No. 2011173039	Jan. 2015
5.	Anna University, Chennai	Mr. Alexander Jeevanantham Reg. No. 1514399225	Jan. 2015
6.	Anna University, Chennai	Mr. G. Arunsankar Reg. No. 1514399720	June 2015
7.	Anna University, Chennai	Mrs. A. Parimala Reg. No. 1523399193	July 2015
8.	Anna University, Chennai	Mr. Rathika Kannan Reg. No. 1524399190	July 2015
9.	Anna University, Chennai	Mrs. S. Bella Rose Reg. No. 15124399158	July 2015

Annexure I

PG (M.E.) Guidance

S.No.	University	Name of the candidate	Year of registration
1	Anna University, Chennai	Mr.S. Anantheesh Kumar	July 2014
2.	Anna University, Chennai	Ms. S. Dhivya	July 2014
3.	Anna University, Chennai	Mr. A. Magesh	July 2015
4.	Anna University, Chennai	Mr.R. Siva	July 2015

Annexure J

Research Project Details

S.No.	Title of the project	Sanctioning Authority	Cost
1	Digital Optimal Feedback Control for Universal Power Quality Compensator	AICTE – RPS ; March 2013 ; 3 years (SANCTIONED)	9.5 Lakhs
2.	Optimal intelligent controller for power quality enhancement in smart grid network	SERB – DST ; Nov. 2014 ; 3 years (PROPOSAL APPLIED)	10 Lakhs

Annexure K

Major Responsibilities @ VEC:

1. Member – Instructional Design Strategy (IDS)
2. Deputed as HOD / EEE from March – September, 2015.
3. Co-ordinator – International Conference (ICCCPT 2015) – April 2015 & ICCPS (2006)
4. Course Co-ordinator – Electromagnetic Theory, Solid State Drives (2012 - 2015)
5. Department Co-ordinator – NBA from 2004, 2007 & 2014
6. Institute Co-ordinator – AQAR - IQAC (NAAC)
7. Lab Head – Microprocessor & Microcontroller, Control & Instrumentation lab (presently) - Purchase equipments worth 2.45 Lakhs during 2014-15
8. Member (Academic System & Services) – NSP 2014
9. Member – Question Paper Council
10. Member – Faculty Interview Panel in VEC (2014) , VIT (2015) and Faculty Audit- VEC
11. Class Committee Chairperson – II year EEE
12. Department Co-ordinator –Nodal Centre - EEE
13. Co-ordinator – AICTE – Indian National Academy of Engineering (INAE) – DVP Scheme
14. Research Group Head – Power Quality
15. Member – Academic Council, Industrial Advisory Board
16. Member – Question Paper Council
17. Project Co-ordinator – IV year Projects – 2014-15
18. Co-ordinator – Quality Improvement Cell – Anna Univeristy (Received NPTEL Phase 2 lectures in e-book from IITM & Conducted Spoken Tutorial workshops for EEE, E&I, ECE, CSE Departments)
19. Faculty Advisor – Odd Sem. 2012-2013
20. Co-ordinator – Workshop/FDP on Soft Computing Techniques applied to Power Converters using Matlab & PSCAD – 29-30 Oct. 2015
21. Member – Discipline Committee – Collgege Day, Graduation Day