

Name of the Post: Professor/EEE



Name of the Candidate (in capital letters)	Dr. S.PRABAKARAN
Father / Husband's Name	Mr. T.SAMIKKANNU
Date of Birth & Age:	11.07.1968 & 54 Years
Native Place	HARUR – DHARMAPURI (DT)
Caste/Community OC/BC/BC(m) MBC/SC/ST	MBC
Name of the Community	BOYAR
Present Address	S.Prabakaran No. 10, Gurusamy Salai , S.M.G Nagar, Sevelimedu (Post), Kanchipuram – 631 502. Kanchipuram Taluk. & District, T.N.
Permanent Address:	S.Prabakaran No. 10, Gurusamy Salai , S.M.G Nagar, Sevelimedu (Post), Kanchipuram – 631 502. Kanchipuram Taluk. & District, T.N.
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Educational Qualifications:

Degree / Diploma	Subject	% of marks	Class	Year of passing	Name of the School / College	Name of the Board / University
D.E.C.E	Electronics and Communication Engineering	77	First Class	1988	D.D.C.S.M – Polytechnic Palacode-Dharmapuri(Dt)	DOTTE
A.M.I.E	Electrical Engineering	52	-	1993	The Intuition of Engineers (India)	The Intuition of Engineers (India) Calcutta
M.E	Power Systems	67	First Class	1999	Faculty of Engineering and Technology	Annamalai University Chidambaram
PhD	Electrical Engineering	-	-	2016	College of Engineering, Guindy, Anna University- Chennai	College of Engineering, Guindy, Anna University- Chennai

Experience: (23 Years)

S.No.	Name of the Institution	Post held	Period of Experience		
			From	To	Total
1.	Priyadharshini Engineering College, Vaniyambadi.	Lecturer	January-2000	March-2000	3 Months
2.	Arulmigu Meenakshi Amman College of Engineering, Kanchipuram.	Assistant Professor	29-03-2000	01-08-2007	7 Years and 4 Months
3.	Panimalar Engineering College, Chennai.	Assistant Professor	03-08-2007	31-05-2009	1 year and 10 months
4.	Rajiv Gandhi College of Engineering, Sriperumbudur.	Associate Professor & HOD	03-06-2009	07-07-2011	2 Years and 1 months
5.	Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya - SCSVMV (Deemed to be University)	Associate Professor	11-07-2011	Till Date	11 Years and 5 months

Details of Paper Publications in International Journals:

Sl.No.	Description of paper publications
1.	S.Prabakaran V.SenthilKumar G.Baskar “Economic Dispatch Using Hybrid Particle Swarm Optimization with Prohibited Operating Zones and Ramp Rate Limit Constraints” Journal of Electrical Engineering and Technology Vol 10, No. 4 -2015. (Scopus Indexed)
2.	S.Prabakaran, Ajay –D-Vimal raj “Solution for Multi-area Unit Commitment Problem Using PSO-Based Modified Firefly Algorithm ” Advances in Systems, Control and Automation, Lecture Notes in Electrical Engineering - Springer Nature Singapore Pt Ltd-Vol. 10, No. 4 2018. (Scopus Indexed)
3.	P.Murugesan and S.Prabakaran “Time-Frequency Analysis of Power Quality Disturbances via the Transform based Techniques ” International Journal of Engineering & Technology Vol 7 (4.19)-2018 (Scopus Indexed)
4.	P.Murugesan and S.Prabakaran “A Robust Tool for Monitoring and Synchronizing Smart Grid through Adaptive Comb Filter” Indonesian Journal of Electrical Engineering and Informatics (IJEI) Vol 7 No 4. -2019. (Scopus Indexed)
5.	P.Murugesan and S.Prabakaran “Processing of Power Quality Issues through an Adaptive Peak Filter ”Vol 10 Special Issue 15- 2018 . (Scopus Indexed)

6.	Lavanya S, Prabakaran S and Ashok Kumar N (2022), ‘Literature Review: High Impedance Fault in Power System and Detection Techniques’, Mathematical Statistician and Engineering Applications, Vol. 71, No. 3, Pp. 944-958. (Scopus Indexed)
7.	Lavanya S, Prabakaran S and Ashok Kumar N (2022), ‘Behavioral Dynamics of High Impedance Fault Under Different Line Parameters’, International Journal of Electrical and Electronics Research, Vol. 10, No.2, Pp. 370-374. (Scopus Indexed)
8.	Lavanya S, Prabakaran S and Ashok Kumar N (2022), ‘Analysis of High Impedance Fault using Discrete Wavelet Transform Technique’, International Journal of Engineering Trends and Technology, Vol. 70. No. 8, Pp. 238-246. (Scopus Indexed)
9.	Lavanya S, Prabakaran S and Ashok Kumar N (2022), ‘Deep Learning Technique for Detecting High Impedance Faults in Medium Voltage Distribution Network’, Engineering, Technology & Applied Science Research, Vol.12. No.6, Pp. 9477-9482. (Web of Science Indexed)
10.	Sugulin kalaivani S.Prabakaran “ANN Based DC Link Control of STATCOM in Wind Integrated Distribution System for Power Quality Conditioning ” Engineering, Technology & Applied Science Research Vol. 10, No. 4, 2020. (Web of Science Indexed)
11.	S.Prabakaran and V.SenthilKumar “Hybrid PSO algorithm with tabu search for economic and emission dispatch problems” International Journal of Applied Engineering Research Vol. 10, No .7 – 2015. (Scopus Indexed)
12.	S.Prabakaran and G.Baskar, “Optimal load dispatch using hybrid PSO technique for thermal scheduling problem” International Journal of Current Research Vol. 5, Issue 5, 2013.
13.	S.Prabakaran and G.Baskar, “Security Constrained Optimal Load Dispatch Using HPSO” IJRET: International Journal of Research in Engineering and Technology Vo2, Issue 05, 2012.
14.	S.Prabakaran “Investigations on hybrid particle swarm optimization technique to solve optimal load dispatch problems with prohibited operating zones and ramp-rate limit constraints ” International journal of engineering sciences & research technology , Vol 5 , No 5, 2016.
15.	S.Prabakaran & Ajay –D-Vimal raj “ International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE)” Vol 04 , Issue 4, 2017.
16.	S.Prabakaran “Economic Dispatch- A Comprehensive Survey” International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE), Vol. 4, No.6, 2017.
17.	S.Prabakaran & Pannerselvam “Closed Loop Control Of Switched Reluctance Motor” IJMERT Vol 6 No 1 , 2019.
18.	S.Prabakaran & Surendar “Open Loop Control of Switched Reluctance Motor” Journal of Emerging Technologies and Innovative Research (JETIR), Vol 6 No 4, 2019.
19.	S.Prabakaran “Application of Evolutionary Programming Method to Solve a Hydro Thermal System Problem “International Journal for Research in Applied Science & Engineering Technology (IJRASET) “Vol 6 Issue 6 , 2018.
20.	S.Prabakaran “Investigations on hybrid particle swarm optimization technique to solve optimal load dispatch problems with prohibited operating zones and ramp-rate limit constraints “International journal of engineering sciences & research technology, Vol 5 No5, 2016.
21.	Sudhakaran M, Ajay-D-Vimal Raj, S.Prabakaran, “Design and Implementation of Modified Zeta Converter for BLDC Driven Solar PV Fed Water Pumping System”, International Journal for Research in Applied Science Engineering Technology (IJRASET) , Vol 8, Issue 10, 2020.

22.	S.Prabakaran “Literature Review – Economic and Emission Dispatch Problems”, International Journal of Research Publication and Reviews, Vol 2, issue 6, 2021.
23.	S.Prabakaran “Literature Review- Profit Based Unit Commitment Problems”, International Journal of Scientific Research in Engineering and Management (IJSREM), Vol 5, Issue 6, 2021.
24.	S.Prabakaran Demand Side Management Deficacy in Pump Selection – Challenges and Solutions , International Journal of Advances in Engineering and Management (IJAEM), Vol 5, Issue 6 , 2021.
25.	S.Prabakaran, Annamalai H-Bridge Inverter Cascaded with Nested Developed H-Bridge Inverter, International Journal of Research Publication and Reviews, Vol 2, Issue 8, 2021.

Details of Paper Publications in Conferences:

Sl.No.	Description of paper publications
1.	Power System Emergencies, NPSEC-2012 organised by the Department of Electrical & Electronics Engineering, SCSVMV University, Kanchipuram, TamilNadu December 12, 2012.
2.	Participated in the National conference on POWER SYSTEM EMERGENCIES NPSEC-2013 on 12 December 2013 organised by the Department of Electrical & Electronics Engineering, SCSVMV University, Kanchipuram, Tamilnadu.
3.	Participated in the National conference on POWER SYSTEM EMERGENCIES NPSEC-2015 on 28 March 2015 organised by the Department of Electrical & Electronics Engineering, SCSVMV University, Kanchipuram, and Tamilnadu.
4.	Prabakaran, S & Senthilkumar, V “ANFIS Based TCSC Controller for Reactive Power Compensation in Transmission Lines ” presented in the International Conference on Power, Control and Embedded Systems (ICPCES-2010) organised by the Department of Electrical & Electronics Engineering, College of Engineering Guindy, Anna University, Chennai, Tamilnadu.
5.	Prabakaran, S & Ganesh, VR 2015, ‘Economic Dispatch using Particle Swarm Optimization’, Second International Conference on Recent Trends in Engineering and Technology, ICRTET-15, 25 th April Oxford College of Engineering, Tamil Nadu, India.
6.	Prabakaran, S,& Baskar, G , “ Economic Load Dispatch: An Evolutionary Programming Approach ” National Conference on Emerging Trends in Electrical Engineering and Power Drives (NACPED-05) 20 th April , 2005, organised by the Department of Electrical & Electronics Engineering, Govt Engineering College , Thirunelveli, Tamilnadu.
7.	Lavanya S, Prabakaran S International Conference on Physics and Energy 2021 AIP Conf. Proc. 2426, 020033-1–020033-14; https://doi.org/10.1063/5.0127321 Published by AIP Publishing. 978-0-7354-4282-5/\$30.00.
8.	Lavanya S, Prabakaran S and Ashok Kumar N, ‘Mathematical Morphology Techniques for Low Magnitude Fault Current in Power System’, Third international Conference on Electrical, Electronics and Communication Technology (ICEECT-2022), August 2022.

Extra Curricular Activities:**Projects Guided**

- Number of M.E Project's Guided: 12
- Number of Ph.D Guided: 03
- Number of Ph.D Completed: 01

Other university Research Association

- D.C Member in Anna university
- D.C Member in Saveetha University
- D.C Member in Bharath University
- Question Paper Setter in various universities.

Contribution to the Department:

- Co-ordinator for M.E (part-time) course
- Incharge for arranging Industrial visits
- Incharge for arranging Guest Lectures
- Students Mentor
- Co-ordinator for the Internal test Examinations.
- Co-ordinator for workshop on FACTS Controller Applications in Power System.
- Co-ordinator for International conference -2017.
- Member in Department Peer Committee.

Contribution to the University

- Acted as Additional Chief Superintendent for university examinations
- Chairman for University Academic calendar -2016.
- Member in Board of Studies 2011-2014 and 2017 to till date
- Member in Academic council 2011-2014
- Member in Students Disciplinary committee -2017.
- Member in Students Grievance cell 2012-2014.
- Member in convocation committee.
- Self involvement in University Admission.
- Member in Anti Ragging committee

Details of Awards and Distinctions obtained

1. Two times received best teacher award in Rajiv Gandhi College of Engineering for the achievement of 100% result in system Electrical Machine Design and Power System Operation and Control.
2. Received best teacher award in AMACE for the achievement of 100% result in Power Generation System and PSA.
3. Produced 100% results in many subjects both M.E and B.E in SCSVMV and other Institutions.
4. Received best teacher award in Panimalar Engineering College for the achievement of 100% result in Electrical Circuit Analysis.

Conferences organized

1. AICTE sponsored Two-Week Faculty development program on “Advances in Power System Operation, Protection and Control“ organized by Department of Electrical and Electronics Engineering, Panimalar Engineering College, Chennai from 15th to 27th June, 2008
2. One day workshop on “Industrial Safety organized under ISTE Student Chapter in Rajivi Gandhi College of Engineering College, Sriperudhumbur on 20-01-2010.
3. Organized a two days National level workshop on “Advances in Power System Stability and Reliability” in the department of Electrical and Electronics Engineering, at SCSVMV during 3-03-2014 and 4-03-2014 on 25th October, 2014.
4. Organized Two days National level Technical symposium in the department of Electrical and Electronics Engineering, at SCSVMV on 07 & 08-11-2017.
5. Organized ONE day National level symposium in the department of Electrical and Electronics Engineering, at SCSVMV on 13-04-2015.

Workshop/ Seminar Attended:

1. Attended Faculty Development Programme on “PSCAD” on 22nd & 23rd February 2013 organised by the Department of Electrical & Electronics Engineering, SCSVMV University, Kanchipuram, and Tamilnadu.
2. Participated National workshop on “FACTS Controllers Application in Transmission Systems” on August 6th 2012 organised by the Department of Electrical & Electronics Engineering, SCSVMV University, Kanchipuram, and Tamilnadu.
3. Participated National workshop on “MATLAB and its Applications” on October 10th 2013 organised by the Department of Mathematics, SCSVMV University, Kanchipuram, and Tamilnadu.
4. Attended Faculty Development Programme on “ Lab View PROGRAMMING ” on 25th & 26th October 2013 organised by the Department of Electronics & Instrumentation Engineering, SCSVMV University, Kanchipuram, and Tamilnadu.

5. One Day Workshop on “Recent Trends in Power System and Control ” on 21st March 2012 organized by the Department of Electrical & Electronics Engineering, Thirumalai Engineering College, Kanchipuram, Tamilnadu.
6. One Day Workshop on “ Recent Trends in Energy Conservation ” on 10th March 2006 organized by the Department of Electrical & Electronics Engineering, Sri Krishna College of Engineering and Technology , Coimbatore , Tamilnadu.
7. Attended Faculty Development Programme on “COMPREHENSION” at I.F.E.T College of Engineering, Villupuram, Tamilnadu on 7th & 8th August 2004.
8. Attended one day work shop on “Elliptic Curve Cryptography”organised by the Department of Science and Humanities, SCSVMV University, on 29th Feb 2012 Kanchipuram, Tamilnadu.
9. Attended short Term Course on “ Power Quality and Energy Management in Indian Industries” organized by the Department of Electrical & Electronics Engineering, Coimbatore Institute of Technology on 24th & 25th July 2009 , Coimbatore , Tamilnadu.
10. One Day Workshop on “ Modeling of Controllers for Power Converters ” on 23rd August 2013 organized by the Department of Electrical & Electronics Engineering, SCSVMV University, Kanchipuram, Tamilnadu.
11. One Day Workshop on “Embedded Systems ”on 19th & 20th September 2014 organized by IEEE Student Branch, SCSVMV University, Kanchipuram, Tamilnadu.
12. One Day National level Workshop on “ Modeling and Hardware Implementation of Power Electronics Applications ” on 15th November 2014 organized by the Department of Electrical & Electronics Engineering, SCSVMV University, Kanchipuram, Tamilnadu.
13. Attended one day work shop on “Elliptic Curve Cryptography” organized by the Department of Science and Humanities, SCSVMV University, on 29th Feb 2012 Kanchipuram, Tamilnadu.
14. Participated National workshop on “Basics of MATLAB” on 10th October 2014 organised by the Department of Physics, SCSVMV University, Kanchipuram, Tamilnadu.
15. One Day Workshop on “Recent Trends in Curriculum Design and Development ”on 25th January 2014 organized by the Centre for Curriculum Development and Review , SCSVMV University, Kanchipuram, Tamilnadu.
16. One Day Workshop on “ User Awareness Programme on Shodhganga and Anti-Plagiarism Software ” organized by SCSVMV University Library , Kanchipuram, in association with Information & Library Network Centre (INFLIBNET)/ UGC , Gandhi Nagar on 26th March 2015.
17. One Day National level Workshop on “Application of Evolutionary Computing Techniques to Power System Optimization Problems ” on 29th October 2015 organised by the Department of Electrical & Electronics Engineering, SCSVMV University, Kanchipuram, Tamilnadu.
18. One Day National level Workshop on “Design and Implementation of Power Electronics Converters use MatLab” on 5th February 2016 organized by the Department of Electrical & Electronics Engineering, SCSVMV University, Kanchipuram, Tamilnadu.

Special Accomplishments

- Deliver a Guest Lecture on the topic “Circuit Theory” to the First year EEE students at Kingston Engineering College, Vellore.
- Chairing the Technical Paper presentation session in the National Symposium conducted by SCSVMV University, Kanchipuram.
- Chairing a Technical Paper Presentation session during the National level Symposium held at Arulmigu Meenakshi Amman College of Engineering, Kanchipuram.
- Deliver a Guest Lecture on the topic “Investigations on HPSO Algorithm for Power System Planning Problems in SCSVMV University.

Reviewer

- International journal of electrical engineering & technology [South Korea]
- IET- Generation Transmission & Distribution [UK]
- Journal of engineering science & Technology [Malaysia]
- Engineering, Technology & Applied Science Research [Greece]

Professional Body Membership

- Member in The Society of Power Engineers (India)
- Associate Member in Institution of Engineers (India)
- International Association of Engineers (IAENG)

Scopus Author ID

<https://www.scopus.com/authid/detail.uri?authorId=57196774932>

Web of Science Researcher ID

<https://www.webofscience.com/wos/author/record/GNN-0120-2022>

Google Scholar Profile

<https://scholar.google.com/citations?hl=en&user=mLI4DvcAAAAJ>

Research Gate Profile

<https://www.researchgate.net/profile/Samikannu-Prabakaran>

Signature