

CURRICULUM VITAE

SREEKANTH. R

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OBJECTIVE

To employ my knowledge and experience with the intention of securing a professional career with opportunity for challenges and career advancement, while gaining knowledge of new skills and expertise.

WORK EXPERIENCE

1. Assistant Professor in Electrical & Electronics Engg department & Chief Engineer (Electrical Maintenance) [**From 27/07/2009 to 30/11/2010**], Periyar Maniammai University, Thanjavur, Tamil Nadu, India.
2. Assistant Professor in Electrical & Electronics Engg department [**From 20/12/2010 to 03/05/2011**], Indur Institute of Engineering and Technology, Siddipet, Hyderabad, A.P.
3. Assistant Professor in Electrical & Electronics Engg department [**From 01/06/2011 to 30/04/2012**], R.M.K Engineering College, Kavaraipettai, Tamil Nadu.
4. Assistant Professor in Electrical & Electronics Engg department [**From 13/06/2012 to till date**], St. Joseph's College of Engineering, OMR, Chennai, Tamil Nadu.

EDUCATION

INSTITUTION	QUALIFICATION
B.S.A Crescent Engineering College, Vandalur, Chennai, Tamil nadu, India. (Anna University, Chennai)	M.E Power System Engineering (First class with Distinction) Year: 2007-2009
V.R.S College of engg & tech, Arasur, Villupuram district, Tamil nadu, India. (Anna University, Chennai)	B.E Electrical & Electronics Engineering (First class) Year: 2002-2006
R.V.M.H.S.School, Villupuram, Tamil nadu, India.	H.S.C (State board) (First class) Year: 2001-2002
R.V.M.H.S.School, Villupuram, Tamil nadu, India.	S.S.L.C (Matriculation board) (First class) Year: 1999-2000

SKILLS

SOFTWARE SKILLS:

MATLAB 7.6 (SIMULINK), PSAT, ETAP 4.7.0, GAMS, C, C++, ORACLE 9i.

HARDWARE SKILLS:

System assembling.

PROFESSIONAL MEMBERSHIP

1. Active professional Member of the Institute of Electrical and Electronics Engineers(IEEE) since 2015.
2. Life Member of the Indian Society of Technical Education (ISTE).
3. Life member of the International Association of Engineers (IAENG).
4. Acting as an IEEE SJCE Student Branch Counselor from 2019 to till date.

RECOGNITIONS AND ACHIEVEMENTS

1. During the years 2015,2016,2017,2018, Received the funding of \$300 from IEEE RAS, \$400 from IEEE IAS, and \$500 from IEEE WIE.
2. We were granted the IEEE IAS CMD award for Outstanding New Chapter 2015 around the year 2015, based on our active volunteerism and unique technical activities.
3. During the calendar year 2019, 2020 and 2021, received a financial grant around 4,00,000 INR from IEEE Madras Section for the conduction of various events and as the recognitions.
4. During August 2017, a team under my mentorship participated in the IEEE Region 10 India Council and succeeded as a Regional Winner.
5. In the process of exploring, 3 teams consisting of 4 members each participated in the 2019 YESIST'12, held at Thailand, and with my mentorship, one of the teams won 1st place whose innovation has moved one step further in preparing for the future using sustainable transformative technologies.
6. During August 2019, a National event, Eureka 20', Organised by IEEE Pune Section, I guided 8 teams and among which we got one National winner, one National runner, and one Regional winner.
7. *I've also aided my students in a variety of ways, one of which was assisting them in obtaining AICTE Vishwakarma awards. This benefited a large number of students.*
8. *Received AICTE Lilavati Award during the year 2020, under the sub theme Self Defense.*
9. *I have also been appointed as NCC in charge of our esteemed institution.*
10. I also served as one of the jury members for many great events such as Yesist' 12, and Womansera' 21 and got an opportunity to be a speaker for the KYIEEE(Know Your IEEE) series conducted by IEEE YP Madras Section.
11. I have been one of the session chairs of the MAS E-TECH Symposium conducted by the IEEE Madras Section and also a session chair at the 2022 International Conference on Communication, computing, and Internet of Things organized by the Sairam Engineering College, Chennai.
12. During March 2022, I have been a part of a panel discussion "SPAC'22" conducted by Jeppiar Engineering College, Chennai.
13. Under my guidance, many students of our Student Branch achieved many awards including the IEEE India Council Awards, the IEEE Richard E-Merwin Scholarship,

- and the IEEE R10 Awards.
14. I have been selected to serve as a Committee Member for the 2022 Executive Committee of IEEE Madras Young Professionals.
 15. I was selected as the Treasurer of the IEEE MAS Vehicular Technology Society.
 16. In our Student Branch, under my guidance we have successfully organized over 95 International webinars on various technicalities that help human society.
 17. I received the **IEEE India Council Outstanding Volunteer Award 2023**
 18. I represented the IEEE Madras section at the IEEE PELS Officers Meet-up held at IIT Guwahati in 2023.
 19. In YESIST12 2023, under my guidance 3 teams were selected in the prelims and one team won First Prize in the YESIST12 Finale held at IEEE Egypt Section.
 20. In Eureka 2022, out of 10 final teams, 6 teams were selected from my Student Branch, and the First and Second Runner-up prizes were won by our SB members under my guidance which is held in Pune, India.
 21. In Eureka 2023, 3 teams were selected as a finalist and one of the team won First Price under my guidance.
 22. I was the judge for Eureka School awareness program for two consecutive years(2022-2023).

IEEE JOURNEY IN DETAIL

- Major Contribution towards Student Branch

1. My work at IEEE has created a major impact in my region. I have contributed to more than 150 events with more dedication to the impact of IEEE and encourage student volunteers. Initially, the Madras Section provided us with \$300 for RAS, \$400 for IAS, and \$500 for WIE as funds for the year 2015,2016,2017,2018 and I started to work with these in our years.
2. Around the time of 2015, based on our active volunteering and innovative technical events I was awarded the IEEE IAS CMD award for Outstanding New Chapter 2015. In the year 2019, I successfully organized a great symposium “JET POTENTIAL” by receiving a financial grant of Rs.17500 from the IEEE Madras Section.
3. In the year 2019, I became the SB Counselor for our Student Branch Chapter.
4. Also during this COVID-19 lockdown period, I conducted many successful flagship events.
5. During the first lockdown period, I started organizing an international webinar and completed five successful seasons with 500 participants then I conducted a great flagship event “ENVIZAAGE, and a workshop series “ROBOVANZA”.
6. I took responsibility as a Committee member of IEEE Madras YP and conducted a Grand Hackathon event named Conocithon 2.0 which created a technical impact. This event encloses 9 valuable Jury members with 450 participants across India with various sections of participation.
7. Under my guidance, many students of our Student Branch achieved many awards including the IEEE India Council Awards, the IEEE Richard E-Merwin Scholarship, and the IEEE R10 Awards.
8. The best parts of my contributions are giving innovative ideas for events, networking with other Student Branches, and conducting and participating in outside SB events.
9. We started our IEEE Student Branch with 3 societies and 1 affinity group and currently we have 16 societies with 300+ IEEE membership.
10. Another important milestone is, we inaugurated IEEE Tamil Mandram as the first initiative in IEEE Madras section and conducted 20 successful events.

- ***Major Contribution towards Section***

1. With my outstanding contributions and impactful events done under my Student Branch, I am happy that I have been selected for the Executive Committee of the IEEE Madras Young Professionals as a Committee Member for the year 2022.
2. I was also selected as the treasurer of the IEEE MAS Vehicular Technology Society.
3. I represented IEEE Madras Young Professionals as an active committee member in the event organized by the IEEE Kharagpur section YP Meet-up.
4. It gives immense pleasure to address the topic “How IEEE societies can play a major role in professional growth?” in the event STEP organized by IEEE Madras Young Professionals which is held at Sairam Engineering College IEEE SB on 19th November 2022.
5. I received **the Best Student Branch Counsellor Award 2023 from Madras Section.**
6. I’m now serving as a **Treasurer of IEEE VTS** under Madras Section.
7. I have also been a significant part of Upskill 2023 presented by IEEE Madras Young Professionals hosted by St. Joseph’s IEEE Student Branch.
8. IEEE MADRAS YP MEET-UP was organized by the IEEE Madras section and IEEE MAS Young Professionals in which I spoke as one of the panel members in the Panel Discussion event with all Executive Members of the IEEE Madras section.
9. I always insist my passed-out students to continue their IEEE membership and make them Young Professionals thus contributing towards the IEEE Madras section.
10. After becoming a part of IEEE Madras section, I organized almost 20 events on behalf of IEEE MASYP, IEEE MAS PELS and other IEEE Madras section events.
11. Represented the IEEE MAS PELS at the IEEE PELS Officers Meet-up held at IIT Guwahati in 2023.
12. I have also served as one of the jury members for many great events such as MAS E-Tech, Yesist’ 12, and Womansera’ 21, and did my best for it. I also got an opportunity to be a speaker for the KYIEEE (Know Your IEEE) series.

- ***Other major activities in IEEE***

1. In Eureka 20’, I guided 8 teams as a mentor among which I got one winner, one runner, and one regional winner for a national-level contest “Technology Dissemination Contest for Students” conducted by the IEEE Pune section in August 2019.
2. In Eureka 2022, conducted by the IEEE Pune section, I was been selected as a Jury member.
3. I have been a speaker for Hack O Holic’s event organized by IEEE Jeppiaar Engineering College SB with more than 100 participants for the session on recent technologies in today’s trend.
4. In 2017, a team under my mentorship participated in the Region 10 India Council and succeeded as a Regional Winner. In the process of exploring, 3 teams consisting of 4 members each participated in the 2019 YESIST’12, and with my mentorship, one of the teams won 1st place whose innovation has moved one step further in preparing for the future using sustainable technologies.
5. I also got an opportunity to be a speaker for the KYIEEE (Know Your IEEE) series.
6. I have been a speaker for the SPACC event organized by Jeppiaar Institute of Technology IEEE Student Branch in the month of March 2022.
7. In Eureka 2023, 3 teams were selected as a finalist and one of the team won First Price under my guidance. This is the 4th consecutive win for our students in this IEEE Eureka event organized by IEEE Pune section.
8. I was one of the panelists in the IEEE R10 Section Student Summit 2023 conducted by IEEE Madras section.

9. I received the Vibrant Pilot award from IEEE YESIST12 consecutively in the year 2022 and 2023.
10. Also, my students received an Honorable mention award from IEEE YESIST12 2023 for their outstanding performance and contribution towards technology.
11. I'm now serving as a **Chairperson of IEEE YESIST12 ALUMNI COMMITTEE**.
12. In August 2019, a team under my mentorship Conducted two days National Level **SUMMIT ON SMART CITY, SMART NATION & SMART WORLD** in association with LARSEN & TURBO.
13. In Sep 2023 we have Conducted **"5G HORIZON – NextGen Networking"** in association with LARSEN & TURBO.

SPECIALIZED SUBJECTS

- Power system operation and control
- Power System Dynamics
- Protection and switchgear
- Transmission & Distribution
- Advanced Power system analysis
- High Voltage Engineering
- Control systems
- Electrical Drives & Controls
- Electrical Machines

ESTATE OFFICER WORK

- Complete electrical maintenance of university
- Calling quotation for new equipment's
- Negotiation and placing orders.

PATENT PUBLISHED DETAILS:

- Published a patent in February 2021 under the title "INTELLIGENT POWER MANAGEMENT TECHNIQUE USING CUK-LUO FUSED CONVERTER FOR HYBRID POWER SYSTEM".
- Published a patent in October 2021 under the title "SUPPLY CHAIN MANAGEMENT FOR E-COMMERCE LOGISTICS USING IOT".
- Published a patent in October 2023 under the title "IoT-Integrated Adaptive Agriculture System with Deep Learning Analysis"
- Published a patent in June 2024 under the title "Dynamic Health Forecasting For EV Li-Ion Batteries With Artificial Intelligence"

PAPER PUBLISHED DETAILS:

- Published a paper titled "ANALYSING EQUILIBRIA IN AN ELECTRICITY MARKET" in International Journal on Advanced Research in Basic Engg. Sci. & Tech (IJARBEST) in Vol.5, No.10, October 2019.
- Published a paper titled "Optimal volt/var control of distribution system using multi- objective particle swarm optimization" in Indonesian Journal of Electrical Engineering and Computer Science Vol. 16, No. 3, in December 2019.
- Published a paper titled "Coordinated power management and control of renewable energy sources based smart grid" in Int. J. Emerg. Electr. Power Syst. 2021 on August 4, 2021.
- Published a paper titled "Energy management of renewable-based micro-grids with electric vehicle aggregators: COA-CANN approach" in Int. J. Environ Dev Sustain (2024) on July 09, 2024.

NATIONAL/INTERNATIONAL CONFERENCE

- Presented paper titled “Stabilization of power systems using FACTS devices” in **national conference** conducted by B.S.A Crescent Engineering College, Chennai-48.
- Presented paper titled “Stabilization of power systems using FACTS devices” in **national conference** conducted by Sasurie Engineering college, Vijayamangalam and **received Best paper award**.
- Published paper titled “Enhancement of power system stability using FACTS devices” in the **national conference** organized by National Engineering college, Kovilpatti.
- Published paper titled “SMART LOAD OPERATING SYSTEM USING DTMF TECHNOLOGY” in the 2023 IEEE International Conference on Research
- Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering Organized by the Department of Computer Science and Engineering, R.M.K. Engineering College, Chennai, India during 1st and 2nd November, 2023.
- Published paper titled “Optimized POD in co-ordination with SSSC for damping of power system oscillations” in the **national conference** organized by National Engineering College, Kovilpatti.
- Presented paper titled “Enhancement of power system stability using FACTS devices – An eigen value analysis approach” in **national conference** conducted by Dr.Pauls engineering college, Villupuram.
- Presented paper titled “Power System Stability Analysis with Integration of Wind Power using STATCOM” in **International Conference in Magna on Emerging Engineering Trends - 2k13** at Chennai during April 2013.
- Presented paper titled “Improvement of power System stability in Electrical system using FACTS device and POD controllers” in **2nd International Conference on Recent trends in Engineering and Technology** at Chennai during May 2017.

INTERESTS AND HOBBIES

Playing football, reading books and listening to music.

PERSONAL PROFILE

Date of Birth	: 17.08.1985
Father's Name	: Mr.R.S.Ramasamy
Mother's Name	: Mrs.R.Premavathi
Gender	: Male
Nationality	: Indian
Linguistic Proficiency	: English, Tamil, Telugu

PASSPORT DETAILS

Passport Number	: AB705923
Valid Upto	: 03.06.2035

I hereby declare that the above-mentioned information is correct to my knowledge and belief.

Signature

(Sreekanth. R)