

# Curriculum Vitae

**SAREDDY VENKATA RAMI REDDY**

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## Career Objective:

To be associated with an institute that provides an opportunity to grow along with the organization with an appropriate Research and Teaching environment.

## Professional Abstract:

- Published research papers indexed in web of science, Scopus and in UGC journals and few papers are under review for publications.
- Worked at the administrative positions like Student's union Co-Ordinator in JNTUACEP for 3 years (2015 -18) and Project Engineer (Electrical) in JNTUACEP from October 2018 till date, Class incharge, Incharge HoD, BoS Member.
- Worked for NAAC (2023) and acted as NSS Co-Ordinator in JNTUACEP.
- Actively involved in organizing Industrial visits to the students also counselling the students and providing additional classes to the weaker students during off time period.
- Expressing much interest in participating the Faculty Development Programmes (FDPs), workshops, seminars, webinars, and conferences organized by various organizations and Institutions for enhancing the knowledge skills.

1. **Name and full correspondence address:** **SAREDDY VENKATA RAMI REDDY**  
Ippatla(Vil &P.O),Lingala (M),Y.S.R(D),  
Andhra Pradesh, India -516391.
2. **Email(s) and contact number(s):** [svrami@gmail.com](mailto:svrami@gmail.com),  
[venkataramireddy.eee@jntua.ac.in](mailto:venkataramireddy.eee@jntua.ac.in),  
+91-9160172509; 9701068734
3. **Institution:** JNTUA College of Engineering(A),  
Pulivendula, Andhra Pradesh- 516390.
4. **Date of Joining:** 01 June 2015
5. **CFMS ID/ Beneficiary ID:** 1006952975
6. **Date of Birth:** 10 June 1986
7. **Gender (M/F/T):** Male
8. **Adhar Details:** 6310 0413 7301

9. **PAN Card Details:** BRFPS6208F  
10. **Marital Status:** Married  
11. **Category Gen/SC/ST/OBC:** General  
12. **Whether differently abled (Yes/No):** No

**13. Academic Qualification:**

Degree	Year	Subject	University/ Institution	Grade
Ph. D	2024	Power Systems (EEE)	VELS Institute of Science, Technology & Advanced Studies, Chennai, India	Pursuing
M. Tech	2015	Electrical Power Systems (EPS)	JNTUA/ Srinivasa Institute of Technology & Science, Kadapa	First class with Distinction (80.00%)
B. Tech	2007	Electrical and Electronics Engineering (EEE)	Sri Venkateshwara University / KSRM College of Engineering, Kadapa	First class with Distinction (75.11%)
INTERMEDIATE	2003	MPC	Board Of Intermediary Education, A.P/ Vidyadarshini junior college, Pulivendula.	First class with Distinction (76.00%)
SSC	2001	----	Board Of Secondary Education, A.P / Maharshi Vidhya mandir High school, Proddatur	First class with Distinction (85.00%)

**14. Ph.D thesis title, Guide's Name, University, Year of award**

Ph.D thesis title: Analysis of certain methods on Islanding Detection and load shedding in Grid connected systems.

Guide's Name: Dr. T.R Premila, Associate Professor (EEE)

Co- Guide's Name: Dr. Ch. Rami Reddy, Associate Professor (EEE)

University: VISTAS, Chennai, India.

Year of Award: (Pursuing)

**15. Work experience (in Teaching) (8+ Years):**

Sl. No	Position Held	Name of the Institute	From	To	Years
1	Assistant Professor	JNTUA College of Engineering, Autonomous, Pulivendula, Andhra Pradesh, India-516390	June 2015	Till date	8.0 Years
2	Assistant Professor	JNTUA College of Engineering, Autonomous, Pulivendula, Andhra Pradesh, India-516390	June 2012	January 2013	0.7 Years
3	Assistant Engineer	M/S RV Consulting services Pvt.Ltd, a flagship company of M/s SAGAR CEMENTS Group at Hyderabad,India	July 2010	June 2012	2.0 Years
4	Software Engineer	M/s Capgemini India Pvt Ltd, Hyderabad, India	April 2008	April 2009	1.0 years

## 16. Subjects Taught handled for both M. Tech & B. Tech

- DC Machines and labs
- AC Machines and labs
- Electrical circuits and labs
- Power generation
- Special Machines
- Power transmission
- Digital Electronics & logic design
- Switchgear and Protection
- Hybrid Electrical Vehicles
- Utilization of Electrical Energy
- Renewable Energy Sources
- Power system stability and control
- Power System Operation & Control
- Machine Modelling Analysis

## 17. Guest lectures:

Sl. No	Title	Venue	Date & Year
1	Hybrid Electric Vehicles and its impact on future Environment	The Institute of Engineers (India), Kadapa Local Centre	22.09.2023
2	Islanding detection in Integrated Micro Grids	The Institute of Engineers (India), Kadapa Local Centre	17.02.2023
3	Renewable Energy Sources and its Impact in Future	Loyola Polytechnic Pulivendula	30.08.2019

## 18. Professional Recognition/ Award:

Sl. No	Name of the Award	Awarding Agency	Year
1	IEI Member (M-176691)	The Institute of Engineers (India)	2022

## 19. Publications (List of papers published Journals):

Sl. No	Author (s)	Title	Name of the Journal	Volume	Page/ Article no	Year
1	Sareddy Venkata Rami Reddy,	A NEW VARIATIONAL MODE DECOMPOSITION-	Arabian Journal for Science and	48	15435–15443	2023

	T. R. Premila, Ch. Rami Reddy, Muhammad Majid Gulzar & Muhammad Khalid	BASED PASSIVE ISLANDING DETECTION STRATEGY FOR HYBRID DISTRIBUTED RENEWABLE GENERATIONS	Engineering			
2	<b>Sareddy Venkata Rami Reddy,</b> T. R. Premila, Ch. Rami Reddy, Mohammed A. Alharbi and Basem Alamri	PASSIVE ISLAND DETECTION METHOD BASED ON SEQUENCE IMPEDANCE COMPONENT AND LOAD-SHEDDING IMPLEMENTATION	Energies	16	5880-5894	2023
3	<b>Sareddy Venkata Rami Reddy,</b> T. R. Premila, Ch. Rami Reddy and B. Nagi Reddy	ZERO POWER MISMATCH ISLANDING DETECTION ALGORITHM FOR HYBRID DISTRIBUTED GENERATING SYSTEM	Transactions on Energy Systems and Engineering Applications	2	ISSN: 2745-0120	2023
4	<b>S. Venkata Rami Reddy</b> Megavath Vijay Kumar Thumu Srinivas Reddy Ch. Rami Reddy Mohammad Alsharef	IMPACT OF A THERMAL BARRIER COATING IN LOW HEAT REJECTION ENVIRONMENT AREA OF DIESEL ENGINE	Sustainability-MDPI IF: 3.889	14	ISSN: 2071-1050	2022
5	<b>S. Venkata Rami Reddy</b> S.Hussain Vali , Jaya Krishna , S.Radha Krishna, , V.Rafi	OPTIMAL FUEL CONSUMPTION USING MULTILEVEL INVERTER BASED ANFIS RSC CONTROL STRATEGY ON WIND DRIVEN DFIG, DG AND SOLAR PV ARRAY	UGC care group-I (Mukt Shabd Journal)	12	ISSN: 2347-3150	2023
6	<b>S. Venkata Rami Reddy</b> P.Bhavya Sree, B.Bharath Kumar,G.Rakshitha P.Rakesh G.V.Nagesh Kumar V.Rafi,P.Yeshwanth	A STUDY ON RELIABILITY OF INSULATORS USING ARTIFICIAL INTELLIGENCE TECHNIQUES	UGC care group-I (Juni Khyat)	12	ISSN: 2278-4632	2022
7	<b>S. Venkata Rami Reddy</b> K. Guru Brahman, P.N.V. Krishna, M.Sampath Kumar, M.Yeshwanth Sai, P.Vivek	A STUDY ON POWER GENERATION USING THERMO ELECTRIC GENERATOR	UGC care group-I (The International journal of analytical and experimental modal analysis)	14	ISSN: 0886-9367	2022
8	<b>S. Venkata Rami Reddy</b> B.Sindhuja	SIMULTANEOUS CONTROL OF PMSG BASED WIND TURBINES FOR SYSTEM INERTIAL RESPONSE & POWER OSCILLATION DAMPING	UGC care group-I (International journal of Engineering Research in Electrical & Electronic Engineering)	03	ISSN (Online): 2395-2717	2017
9	<b>S. Venkata Rami Reddy</b> T.Maheswari, N.Visali	MODELLING & SIMULATION OF RESISTIVE SUPERCONDUCTING	UGC care group-I (International journal of Innovative	04	ISSN (Online): 2321-2004	2016

		FAULT CURRENT LIMITER IN THREE PHASE TRANSMISSION & WIND ENERGY GENERATION SYSTEM APPLICATIONS	Research in Electrical, Electronics, Instrumentation & Control Engineering)			
10	<b>S. Venkata Rami Reddy</b> GVenkata Suresh Babu	A LOAD FLOW STUDIES WITH UPFC USING CURRENT BASED MODEL	UGC care group-I (International journal of Advanced Technology and Innovative Research )	06	ISSN 2348-2370	2014

## 20. Detail of patents:

Sl. No	Name of the Applicants	Patent Title	Patent No.	Award Date	Agency/ Country	Status
1	Sareddy Venkata Rami Reddy	RESULTANT SEQUENCE IMPEDANCE COMPONENT BASED PASSIVE ISLANDING DETECTION AND LOAD SHEDDING IN MICROGRIDS.	202341058980	06/10/2023	India	Published
2	Sareddy Venkata Rami Reddy	A NEW VARIATIONAL MODE DECOMPOSITION BASED ISLANDING DETECTION IN GRID CONNECTED HYBRID DG SYSTEM	202341059040	06/10/2023	India	Published
3	Sareddy Venkata Rami Reddy	DESIGNING A COMPACT PORTABLE WASHING MACHINE FOR HOUSEHOLD USE	202341059198	06/10/2023	India	Published
4	Sareddy Venkata Rami Reddy	AI-BASED CONTROL OF INDUCTION MOTOR IN AGRICULTURE: ENHANCING EFFICIENCY AND SUSTAINABILITY	202341061198	06/10/2023	India	Published

## 21. Conference presentations and publications:

Sl. No	Authors Name	Title of the article	Name of the conference	Date and Venue	Year
1	SAREDDY, VENKATA RAMI REDDY; T R, Premila and Dr. Ch Rami Reddy	ISLANDING DETECTION OF INTEGRATED WIND ENERGY SYSTEM WITH VARIATIONS IN DC LINK VOLTAGE	IEEE 3rd International Conference on "Sustainable Energy and Future Electric Transportation	Siksha 'o' Anusandhan (Deemed to be University), Bhubaneswar, Odisha, India	2023
2	SAREDDY, VENKATA RAMI REDDY; T R, Premila and Dr. Ch Rami Reddy	COMPARISON OF PI AND FLC FOR SEPIC AND BUCK BOOST CONVERTER BASED PHOTOVOLTAIC SYSTEMS	IEEE 7th International Conference on "Computational Systems and Information Technology for Sustainable Solutions"	R. V. College of Engineering Mysore Rd, RV Vidyaniketan, Post, Bengaluru, Karnataka	2023

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3	SAREDDY, VENKATA RAMI REDDY	“Modular Multi Converter for DC Fault Protection based Levy Multi-Objective Gray Wolf Optimization” in the	First IEEE International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI 2023)	K.S.R. College of Engineering, Tiruchengode, Tamil Nadu, India	2023
4	SAREDDY, VENKATA RAMI REDDY	SIMULTANEOUS CONTROL OF PMSG BASED WIND TURBINES FOR SYSTEM INERTIAL RESPONSE & POWER OSCILLATION DAMPING	3 <sup>rd</sup> International Conference on Recent Challenges in Engineering & Technology (ICRCET-17)	12-13 September 2017 Tirupathi, Andhra Pradesh, India	2017

## 22. FDPs,Webinars,Seminars and workshops attended:

Sl.No.	Title	FDPs / Webinars / Seminars and workshops	Venue	Duration	Date & Year
1	Instigating Innovation & Technology in Teaching Practices through IQAC	Workshop	VISTAS, Chennai	1 week	30.01 to 03.02.2023
2	ECAD for Buildings – Design of layouts for buildings	Workshop	JNTUACEP	1 week	October 10 to 16 2022
3	NPTEL,Swayam	Workshop	IIT Madras	1 day	15 December 2018
4	Smart Grid and Cyber Security	Workshop	CPRI, Benguluru	2 days	January 05 & 06 2017
5	Smart Grid and the Internet of Things	Workshop	CPRI, Benguluru	2 days	February 02 & 03 2016
6	Artificial Intelligence & Machine Learning applications in Engineering	FDP	NIT,Warangal	1 week	20.02 to 24.02.2023
7	Artificial Intelligence & Machine Learning applications in Engineering	FDP	NIT,Warangal	1 week	20.02 to 24.02.2023
8	Trends & challenges in the development of Electric Vehicles & Hybrid Electric Vehicles	FDP	Lendi Institute of Engineering & Technology	1 week	November 14 to 18 2022
9	Deep Learning Master	FDP	SkillAP (Pantech	30 days	11.11 to

	Class		Solutions)		11.12.2022
10	ETL- Data warehousing Tools	FDP	G Pulla Reddy Engineering college, Kurnool	1 week	31.10 to 04.11.2022
11	Recent advances in Electrical Engineering	FDP	G Pulla Reddy Engineering college, Kurnool	1 week	17 to 21.10.2022
12	Power System Grounding & Bonding	FDP	ESCI, Hyderabad	3 days	February 08 to 10 2017
13	Idea Generation with Technology readiness	Webinar	St. Mother Theresa Engineering college, Tamil Nadu	1 day	04.05.2022
14	Energy Efficiency & Energy Management	Webinar	The Institution of Engineers (India), West Bengal	1 day	23.09.2022
15	Challenges & Opportunities in the world of plastics	Webinar	The Institution of Engineers (India), West Bengal	1 day	18.11.2022
16	Intellectual Property Rights	Webinar	St. Mother Theresa Engineering college, Tamil Nadu	1 day	17.09.2022
17	Solar Energy Introduction & current trends in India	Webinar	Sri Venkateswaraa college of Engineering Technology, Tamil Nadu	1 day	17.07.2022

## 23. Other Information

- 1) **ORCID:** <https://orcid.org/0000-0001-7390-0147>
- 2) **GoogleScholar:** [https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&hl=en&user=SRwQpIwAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=SRwQpIwAAAAJ)
- 3) **SCI Profiles:** <https://sciprofiles.com/user/publications/2615481>
- 4) **Web of Science profiles:** <https://www.webofscience.com/wos/author/record/ISS-7767-2023>
- 5) **ScopusProfile:** <https://www.scopus.com/authid/detail.uri?authorId=57209779237&origin=recordPage>
- 6) **Vidwan Profile:** <https://vidwan.inflibnet.ac.in/profile/390467/MzkwNDY3>

## 24. Skill Set



➤ Matlab/Simulink

## 25. Declaration

I do here by declare that the above information given by me is true and correct to the best of my knowledge and belief. If you consider my case favorably, I'm willing to work hard and make myself useful to your organization.

Thanks & Regards,

Date:

Place:

(S.VENKATA RAMI REDDY)