

CURRICULUM VITAE



Dr. MANNE RAMA SUBBAMMA

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Name :MANNE RAMA SUBBAMMA

Father's Name :Sri M. Ramaiah

Date of Birth :05.05.1980

Sex :Female

Marital Status :Married

Address W/O T. CHANDRA SEKHAR, D.No.42/894-6,Mruthyunjaya Kunta,
Chinna Chowk, Kadapa, Y.S.R Kadapa(Dist.)-516002, A.P., INDIA.

Educational Qualifications

| Name of the course | Name of the Institute | University/ Board | Month & Year of passing | Division with % |
|--|--|------------------------------|------------------------------------|----------------------------------|
| Ph.D* | Jawaharlal Nehru Technological University of Anantapuram (JNTUA), Anantapuramu | JNTUA, Anantapuramu | Jan. 2020 | ---- |
| M.Tech(EPE) | Jawaharlal Nehru Technological University College of Engineering, Hyderabad | JNTUH, Hyderabad | Dec. 2008 | I Class with Distinction (82.2%) |
| B.Tech(EEE) | KSRM College of Engineering, Kadapa | SVU, Tirupathi | April 2002 | I Class with Distinction (72.1%) |
| Intermediate | St. Joseph's Junior College, Kadapa | Board of Intermediate | May 1997 | II Class (57.2%) |
| SSC | St. Joseph's Girls High School, Kadapa | Board of Secondary Education | Mar. 1995 | I Class with Distinction (74%) |
| * Ph.D. Thesis: "Harmonic Mitigation of AC Motor Drives using Certain Converter Configuration" | | | | |

Experience:

Total Teaching Experience : 22Years

Ratification Details : Ratified as Assistant Professor from JNTUA on 5th May 2015

| Name of the Institution | Designation | Period |
|--|---|--|
| Gouthami Institute of Technology & Management for Women | Principal- UG & Professor of EEE Dept. | 14.12.2023 to Till Date |
| Global College of Engineering and Technology, Kadapa | Principal- UG, PG & Diploma | 13 th Dec. 2021 to 02.12.2023 |
| | Principal- Diploma | 22 nd Jan. 2020 to 12.12.2021 |
| | Professor of EEE Dept. | 27.05.2013 To 02.12.2023 |
| | Director of Academics (DoA) | From May 2013 to Dec. 2021 |
| Sri Sai Institute of of Technology & Science, Rayachoty | Associate Professor & HOD | Dec. 2008 To May 2013 |
| | Assistant Professor | Dec. 2003 To Dec. 2008 |
| SVP CET, Puttur | Lecturer | Nov. 2002 To Nov. 2003 |

Ph. D Guidance : 02 (BESTIU-Summer Batch-2021& 2022- Guiding Ph.D for Two Research Scholars)

Administrative Experience:

- ✓ **Working as Principal for UG Courses at GITAMW from 14.12.2023 to till date and Worked as Principal for UG,PG &Diploma at GCET**
- ✓ **Director of Academic Activities** of GCET from May 2013 to Dec. 2021.
- ✓ **Worked for NAAC** at GITAMW & Received Grade of B++
- ✓ Worked for **ISO Certifications** & Energy Audit
- ✓ **Worked for AICTE, JNTUA FFC Applications and Inspections from 2014 onwards**
- ✓ **Worked for SBTET& AFRC Applications and Inspections from 2019 onwards**
- ✓ Nodal Officer for **AISHE** from **2016 onwards** and **NIRF** from **2016 to 2018**
- ✓ Coordinator of **IQAC**.
- ✓ Chair Person and Presiding Officer of **ICC**.
- ✓ Worked for Establishment of Labs as defined by **NBA and NAAC**
- ✓ Coordinator of **Discipline Monitoring Committee** of the Institute.
- ✓ Convener of **Women Empowerment Cell, Anti ragging Committee** of the Institute.
- ✓ Coordinator of **Placement activities** from **May 2015 to Dec. 2019**
- ✓ **Chief Superintendent for Online Exams, APPSC Group-I, IV, APSLPRB Examinations**
- ✓ Member of Governing Body of GCET.
- ✓ Member of Finance committee of the Institute.
- ✓ Academic coordinator at SSITS from Nov. 20011 to May 2013.
- ✓ In-charge Principal and Chief Superintendent at SSITS and GCET
- ✓ Heading the Department of EEE, SSITS from Dec,2007 to May 2013.
- ✓ Member of Executive committee at SSITS from November 2007 to May 2013.

Achievements :

- ✓ Convener for GITAM NEXUS-2024 (Two Day National Level Technical Symposium)
- ✓ Convener for the Global Technostav/ Tech Fest-2K-15, 16, 17, 18, 19, 20, 21, 22 & 23 A National Level Symposium conducted at GCET.
- ✓ Convener for “FDP on NBA”, GCET
- ✓ Coordinator for “SSITS-2KX-A National Level Technical Symposium” at SSITS in 2010 and Convener for “Two day National Level workshop” at SSITS in 2011.
- ✓ Convener of Women Empowerment Cell of the Institute
- ✓ Judge for Technical Symposium ISHANA’12 at K.S.R.M.C.E, KADAPA
- ✓ Editorial board member for International Journal of International Journal of Scientific Research and Review (ISSN 2279-543).
- ✓ Review Member for **Computers and Electrical Engineering, Elsevier Journals**, Amsterdam, Netherlands from 2015 to 2017.
- ✓ Review Member for International Journal for Research in Electrical Engineering (Reviewer ID: RVI15EE81180)
- ✓ Awarded as **Recognized Reviewer** for Computers and Electrical Engineering, September 2015, 16 and 17, Elsevier Journals, Amsterdam, Netherlands
- ✓ Achieved **Best paper Award** in International conference INTERACT-2010 at Satyabhama university ,Chennai (in association with **DRDO& IEEE**)
- ✓ Achieved **Best Engineer Award** from IEI, Kadapa Local Centre in the Year 2015

Subjects Handled:

UG Level: Electrical Circuits(**12**), Electromagnetic fields(**10**), Network Theory(**3**), Control Systems(**6**), Basic Electrical Engineering(**1**), Power System Analysis(**1**), Power System-II(**1**), Power Electronics(**1**), Linear system Analysis(**2**), Principles of Electrical Engineering(**2**), Electrical Technology(**2**), EMTL(**4**), Power electronic control of DC drives(**1**)

Ph.D: General Electrical Engineering, Modern Power Electronics & Drives

Areas of Interest : Power Systems, Power Electronics and Drives.

Publications (List enclosed in Annexure-I)

| | | |
|------------------------|---|------------------------------------|
| I. Journals | | |
| a) National | : | 00 |
| b) International | : | 24 (05-SCOPUS) |
| II. Conferences | | |
| a) National | : | 01 |
| b) International | : | 09 (2- IEEE, 1-IET, 2-CIIT) |
| III. Patent | : | 01 |

Events Organized (List enclosed in Annexure-II)

| | | |
|--------------------------|---|--|
| I. Technical | : | So many Workshops, Symposiums, Tech Fests, Guest/ Expert Lectures |
| II. Non-Technical | : | Co Curricular / Extra Curricular Activities (Sports Day, NSS activities, College Day, Womens Day, Religious functions, Freshers Day, Engineers Day etc.) |

Professional Body Membership : Member IEEE, Member IEI, Member ISTE

Text Books Published : 05

DC MACHINES AND TRANSFORMERS, CONTROL SYSTEM ENGINEERING-I,
INTRODUCTION TO MATLAB FOR ENGINEERING STUDENTS, POWER ELECTRONICS,
POWER SYSTEM OPERATION AND CONTROL

Guest Lectures/ Invited Lectures Delivered:

| Sl. No. | Title of Lecture | Title of Conference/Seminar | Organized by |
|----------------|-------------------------|------------------------------------|---------------------|
| 1 | Control Systems | Guest Lecture | RCEW, Kurnool |
| 2 | Electro Magnetic Fields | Guest Lecture | RCEW, Kurnool |

Seminars /Workshops/Webinars/FDPs/Conferences Attended

☐ Workshops : 07
☐ FDP's : 21
☐ Webinars : 62

M.Tech Projects Guided : 16

Ph. D Guide : 02 (BESTIU-Summer 2021& 2022- Guiding Ph.D for Two Research Scholars)

Expertise in Technical Software :PSPICE, MATLAB, SIMULINK, MS Office

Declaration:

I hereby declare that the information furnished by me is true to the best of my knowledge and belief.

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(M. RAMA SUBBAMMA)

Annexure-I

International Journal Publications

1. **Meraj Fathima, Dr. M. Rama Subbamma**, “Power Sharing Control for a Single-Phase AC Micro Grid with Parallel Inverters”, *Positif Journal, UGC- Care approved Group-II Journal*, Volume 24, Issue 5, 2024, pp. 762-769, ISSN NO: 0048-4911, May 2024. DOI.org/10.37896/psj31.5/2897
2. **Dr. M. Rama Subbamma**, “Power Quality Improvement Under Weak Grid Conditions With Hybrid Generalized Integrator”, *Compliance Engineering Journal, UGC- Care approved Group-II Journal*, Volume 12, Issue 6, 2021, pp. 469-475, ISSN NO: 0898-3577, June 2021.
3. **Dr. M. Rama Subbamma**, “Design and Analysis of PFC Converter Fed SRM for Air Conditioned Applications”, *Journal of Xidian University, a SCOPUS indexed Journal*, VOLUME 14, ISSUE 9, September 2020, pp. 183-191, ISSN No:1001-2400, DOI: doi.org/10.37896/jxu14.9/020.
4. **M. Rama Subbamma, Dr.V.Madhusudhan, Dr. P. Sujatha** “Design and Analysis of 4 kW SRM Drive for Air-Conditioned PWM Rectifier and Buck-Boost PFC Converter” *International Journal of Engineering and Advanced Technology (IJEAT), a SCOPUS indexed Journal*, Volume-9 Issue-1, October 2019, pp. 1344-1352, ISSN: 2249 – 8958, DOI: 10.35940/ijeat.A1166.109119.
5. **M.Rama Subbamma, Dr.V.Madhusudhan, Dr. P. Sujatha**, “ *Design of SRM for Air-conditioned Buck-Boost PFC Converter for Power Quality Improvement*” *International Journal of Engineering and Technology (UAE), a SCOPUS indexed Journal*, Volume-7 No. 422, 2018, pp. 176-181, ISSN: 2227-524X.
6. **P. Maheswara Reddy¹, M. Rama Subbamma²**, “Design and Control of DC Power Electronic Transformer Based on Cascaded H-Bridge Multilevel Converters”, *Adalya Journal*, Volume8, Issue 9, September 2019, pp. 1150 – 1156, ISSN : 1301-2746, Imact Factor 5.3. DOI:16.10089.AJ.2019.V8I9.285311.6236 (An **UGC- Care approved Group-A Journal**).
7. **O. Chandra Suresh Reddy¹, M. Rama Subbamma²**, “Advanced Voltage Support and Active Power Flow Control in Grid Connected Voltage Source Converters Under Unbalanced Conditions” *AdalyaJournal*, Volume-8, Issue-9, September 2019, pp.719-725. ISSN : 1301-2746, Imact Factor 5.3. DOI:16.10089.AJ.2019.V8I9.285311.6194(An **UGC- Care approved Group-A Journal**).
8. **S. Mubeena¹, M. Rama Subbamma²**, “ Analysis and design of a three-switch, three-port flyback inverter using power decoupling method in a single-phase grid-connected photovoltaic system”, *Adalya Journal*, Volume8, Issue 9, September 2019. pp 695 – 699, ISSN : 1301-2746, Imact Factor 5.3. DOI:16.10089.AJ.2019.V8I9.285311.6190 (An **UGC- Care approved Group-A Journal**).
9. **C. Guru Kishore¹, M. Rama Subbamma²** “A Hybrid Ac/dc Micro Grid With Parallel Operation Using Bidirectional Interfacing Converters Under Unbalanced Grid Voltage Condition”, *International Journal of Scientific Research and Review*, Volume 7, Issue 11, 2018, pp. 136-138, ISSN NO: 2279-543X, **UGC listed Journal** (Impact Factor 6.1), DOI: 16.10089.IJSRR.2018.V7I11.287391.2837.
10. **R.Amaravathi¹, M. Rama Subbamma²** “Dynamic Performance Control of Photovoltaic Array Integrated with Unified Power Quality Conditioner”, *International Journal of Scientific Research and Review*, Volume 7, Issue 11, 2018, pp. 31-42, ISSN NO: 2279-543X, **UGC listed Journal** (Impact Factor 6.1), DOI: 16.10089.IJSRR.2018.V7I11.287391.2824.
11. **M. Rama Subbamma, Dr.V. Madhu Sudhan & Dr. P.Sujatha**, “Design of SRM for Air-conditioned Buck-Boost PFC Converter for Power Quality Improvement” , *International Journal of Engineering and Technology (UAE)*, Volume 7, No. 4.22, 2018, pp 176-181, ISSN: 2227-524X (**SCOPUS**).
12. **M. Rama Subbamma³** “Renewable Standalone Dc Micro grids With A Multivariable Optimal Energy Management Strategy” , *International Journal of Research in Electrical Engineering [IJREE]*, Vol. 3, Issue 3, 2016, pp. 61-65, ISSN: 2349-2503
13. **M. Rama Subbamma²** “Solar Grid With Fault Ride Through With Single And Dual Stage Inverter Under Fault Condition” , *International Journal of Research in Electrical Engineering [IJREE]*, Vol. 3, Issue 3, 2016, pp. 76-80, ISSN: 2349-2503.
14. **M. Rama Subbamma, Dr.V.Madhusudhan, Dr. K.S.R Anjaneyulu, Dr. P. Sujatha** “Design and Simulation of PFC Converter for Brushless SRM Drive” *International Journal of Power*

15. **M. Rama Subbamma**, Dr.V.Madhusudhan, Dr. K.S.R Anjaneyulu “ SRM Speed Control With Various Converter Topologies” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, Issue 6, June 2016, ISSN 2278-8875, pp 4939-4951(UGC).
16. “ Analysis and Control of LVRT grid connected Multi- Terminal HVDC System” International Journal of Global Innovation, Vol.5, Issue 1, ISSN 2319-9345, pp 62-67, June 2016.
17. **M. Rama Subbamma**, Dr.V. Madhu Sudhan “A Variable Speed PFC Converter For Brushless SRM Drive”, International Journal on Cybernetics & Informatics (IJCI) Vol. 5, No. 1, February 2016, pp 31-44.
18. M. Rama Subbamma , “Modeling And Simulation Of Grid Connected Inverter For Power Quality Enhancement By Using Cascaded Current- Voltage Control Strategy”, International Journal of Science Engineering and Advance Technology, IJSEAT, Vol 3, Issue 1, pp 1165-1174. January-2015, ISSN 2321-6905.
19. M.Rama Subbamma², “Performance of Flexible D-STATCOM as a Flexible Distributed Generation in Mitigating Faults”, International Journal of Advanced Scientific and Technical Research, IJAST , ISSN 2249-9954 , ISSUE 2, VOL 4, AUG'12. pp 75-86.
20. **M.Rama Subbamma**, Dr.V.Madhusudhan, “Implementation of Performance Analysis of 18 pulse AC-DC converter fed Switched Reluctance Motor Drive to Robotics” International Journal of intelligent electronic systems, IJIES , ISSN 0973-9238 , VOL 5, NO 1, JAN-JULY'11. pp 1-5.
21. **M.Rama Subbamma**, Dr.V.Madhusudhan, “Performance Analysis of 12& 24 pulse AC-DC converter fed Vector controlled Induction Motor Drives” International Journal of Emerging Technologies and applications in Engineering, Technology and sciences, IJ-ETA-ETS, Vol.4, issue 2, ISSN 0974-3588, July-Dec'2011.pp 368-374.
22. **M.Rama Subbamma**, Dr.V.Madhusudhan, “Design aspects and analysis for higher order harmonic mitigation of converter feeding a vector controlled switched reluctance motor drives” International Journal of Emerging Technologies and applications in Engineering, Technology and sciences, IJ-ETA-ETS, Vol.4, issue 1, ISSN 0974-3588, Jan-June'2011.pp 411-415.
23. **M.Rama Subbamma**, Dr.V.Madhusudhan, “Power flow studies and Power Oscillation damping in a large Power System Using FACTS Devices”, International Journal of Computer Applications in Engineering, Technology and Sciences, IJ-CA-ETS, volume 3, Issue 1, ISSN:0974-3596, October' 10-March' 11, pp 179-183.
24. **M.Rama Subbamma**, Dr.V.Madhusudhan, “Performance Analysis of 12&18 pulse AC-DC converter fed Vector controlled permanent magnet Synchronous Motor Drives”, International Journal of Emerging Technologies and applications in Engineering, Technology and sciences, IJ-ETA-ETS, Vol.3, issue 2, ISSN 0974-3588, July-Dec'2010.pp 409-413.

International Conference Publications:

1. M.Rama Subbamma, Dr.V.Madhusudhan, Dr. P. Sujatha, “ [Design of SRM for Air-conditioned Buck-Boost PFC Converter for Power Quality Improvement](#)”, Proceedings of “International Conference on Innovations in Electrical, Electronics, Power, Smart grids & Advanced Computing Technologies (IEEPS-18)” at VNRVJIET, Hyderabad during 9th & 10th March 2018.
2. M. Rama Subbamma, Dr.V.Madhusudhan, “A Study of PFC Converters for SRM” Proceedings of International Conference on Recent Trends in Engineering, Science and Technology (ICRTEST), Hyderabad, October 25-27, 2016, ELSEVIER Energy Procedia 00 (2016) 000–000.
3. Mrs. M. Rama Subbamma , Dr.V. Madhu Sudhan Dr. K.S.R.Anjaneyulu & Smt. P.Sujatha, “Design Aspects And Analysis For Higher Order Harmonic Mitigation Of Power Converter Feeding A Vector Controlled Induction Motor Drives” Proceedings of [IEEE International Conference on Advances in Engineering, Science and Management \(IEEE-ICAESM 2012\)](#) at E.G.S.PILLAY ENGG COLLEGE, Nagapattinam, Chennai, India, 30-31 Mar2012.
4. Mrs. M. Rama Subbamma , Dr.V. Madhu Sudhan, “Optimal Power Flow Studies And Voltage Profile Analysis Of A Large Power System Using Facts Devices”^{2nd} [International Conference on Advances in Engineering and Technology \(ICAET 2012\)](#), CiiT Proceedings, E.G.S .PILLAY ENGG COLLEGE, Nagapattinam, Chennai, India, 29-30 Mar2012,
5. M.Rama Subbamma, Dr.V.Madhusudhan, “Comparison of single phase cascaded and multilevel DC link inverter with pulsewidth modulation control methods”, Proceedings of 2nd International Conference on Sustainable Energy and Intelligent systems, SEISCON-2011 at Dr.M.G.R. University, India, 20 July 2011, pp 229-235,. ISBN: 978-9-38043-000-3, Date Added to IEEE Xplore: 02 February 2012, Publisher- IET, **DOI:** 10.1049/cp.2011.0366.
6. M.Rama Subbamma, Dr.V.Madhusudhan, “Design and Implementation of Power converters for Wind Energy Conversion system”, Proceedings of International Conference on Intelligent information systems and Management, IISM-2011, ISBN 978-1-4507-6434-6-2011 CiiT at R.V.S College of Engineering and technology, Coimbatore, India, 14-15 July 2011, pp119.
7. M.Rama Subbamma, Dr.V.Madhusudhan, “Implementation of Performance Analysis of 18 pulse AC-DC converter fed Switched Reluctance Motor Drive to Robotics”, International Conference on Emerging Trends in Robotics and Commutation Technologies , INTERACT -2010 at Satyabama university, Chennai, India, 3-5 December 2010, pp175,. 978-1-4244-9006-6/10-2010 IEEE.
8. M.Rama Subbamma, Dr.V.Madhusudhan, “Wavelet Based Protection schemes for teed transmission circuits” , Proceedings of International Conference on Commutation, Computation ,Control & nano Technology at Rural Engineering College, Balki, Bidar Dt., Karnataka, India, 29-30 Oct 2010, pp 192-197,
9. M.Rama Subbamma, Dr.V.Madhusudhan, “Power flow and Voltage analysis of power transmission system using static var compensator”, Proceedings of International Conference on Commutation, Computation ,Control & Nano Technology at Rural Engineering College, Balki, Bidar Dt., Karnataka, India, 29-30 Oct 2010, pp 871-874.

National Conference Publications:

1. Mrs. M. Rama Subbamma, “Reactive power compensation & Power quality enhancement by DPFC” National Conference at AITS, Rajampet, 7-8 Sep 2012.