CURRICULUM VITAE

CHANDRAGIRI RADHACHARAN
Assistant Professor, Department of EEE,
 JNTUH College of Engineering Jagtial,
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Credentials:

- ➢ M.Tech. (Engineering Systems) from Faculty of Engineering, Dayalbagh Educational Institute, Agra, India in 2007 securing First Class (69.2%)
- ➢ B.Sc. Engineering (Electrical) from Faculty of Engineering, Dayalbagh Educational Institute, Agra, India in 2003 securing First Class (61.8%)
- ➢ Intermediate from Sri Lakshmi Junior College, B.I.E., Kurnool, Andhra Pradesh, India in 1999 securing distinction (77.1%)
- ➢ S.S.C. from Sri Lakshmi High School, Kurnool, Andhra Pradesh, India in 1997 securing distinction (77.6%)

Membership Professional Bodies:

- ▪ Member of Institution of Electrical and Electronics Engineering (IEEE) Membership No. 80459326 (R10) Asia and Pacific Region – Hyderabad Section-2018
- ▪ Life Member of Indian Society for Technical Education, New Delhi (LM85702)
- ▪ Life Member of Systems Society of India, India (LM 29072)
- ▪ Professional Member from Institute of Scholars (InSc) - August 2019.

Teaching Experience:

Organization	Designation	Duration	Salary
JNTUH College of Engineering Nachupally, Karimnagar Dist.,T.S.	Assistant Professor (SGS Grade)	03/02/ 2017 to till now	Rs.15600-39100+AGP 8000/-
JNTUH College of Engineering Nachupally, Karimnagar Dist.,T.S.	Assistant Professor (Senior Grade)	03/02/ 2012 to 02/02/2017	Rs.15600-39100+AGP 7000/-
JNTUH College of Engineering Nachupally, Karimnagar Dist.,T.S.	Assistant Professor	20/01/2011 to 02/02/ 2012	Rs.15600-39100+AGP 6000/-
Sreenidhi Institute of Science and Technology, Hyderabad, India	Assistant Professor	10/07/2007 to 18/01/2011	Rs.8000-275-13500 (Regular+ Ratified Service)
Faculty of Engineering & Technology, Agra College, Agra, India	Lecturer	08/07/2005 to 09/07/2007	Rs.8000-275-13500(Regular Service)
		16/02/ 2004 to 07/07/ 2005	Rs.6250/- (Consolidated)
Anand Engineering College, Agra, India	G. Lecturer	08/08/ 2003 to 30/11/2003	Rs. 6000/- (Consolidated)

Peer Reviewer :

⌡ Designated reviewer for IEEE Symposium on Computers and Informatics, 2011 held at Kuala Lumpur, Malaysia (Published by IEEEXplore).

⌡ Designated as peer reviewer for International Journal of Computer Science and Intelligent Computing (ISSN:0976-9250).

⌡ Designated as peer reviewer for International Journal of Advanced Engineering Sciences and Technologies (ISSN: 0976-9254).

⌡ Designated member of Technical Program Committee for International Conference on Computer Applications & Technology (ICCAT 2016), Rome Italy, on November 12th-13th, 2016

⌡ Designated Technical Committee Reviewer of 7th IEEE International Advanced Computing Conference , 5th-7th Jan. 2017 held at VNR VJIET, Hyderabad, T.S.

⌡ Designated reviewer of Technical Program Committee of 3rd International Conference on Next Generation Computing Technologies (NGCT-2017), School of Computer Science and Engineering at University of Petroleum and Energy Studies, Dehradun held on 30th -31st October 2017 published by Springer.

⌡ Designated as reviewer for the Journal of Institution of Scholars, International Journal of Electronics, Electrical and Communication Engineering from August 2019 An ISO 9001:2015 certified by International Accurate Certification, Accredited by UASL since August 2019.

Administrative Experience:

▪ Working as Secretary cum Treasurer of ISTE, New Delhi at JNTUH College of Engineering Jagtial, Karimnagar Dist. from 22/09/2014 onwards.

▪ Appointed as Member, Section Management Committee, ISTE Telangana Section since 1st January 2020 to 31st December 2024.

▪ Working as Faculty Coordinator, Computer Society of India , JNTUHCEJ since 16th July 2019

▪ Working as Deputy Warden in Godavari Boys Hostel , JNTUH College of Engineering , Jagtial from 27 April 2017 onwards

▪ Working as JNTUHCEJ J Cell member from 16.7.2018 onwads

▪ Worked as Coordinator in National Conference on Recent Trends in Science and Technology (NCRTST 2015) conducted by JNTUH College of Engineering, Nachupally, Karimnagar Dist. , T.S. under ISTE, New Delhi 25th & 26th February 2015.

- Worked as Coordinator for Conduction of ISTE – SRMC 2014-15 for Chapter Level and Zonal Level Examination(Telangana State and Andhra Pradesh State) held at JNTUHCEJ

International/National Journals

1. K.Pritam Satsangi , C.Radha Charan, "Intelligent BLDC drive" , Dayalbagh Educational Institute Journal of Science Engineering and Research , Vol. 15/No.1&2/2009-10, pp.109-117 (ISSN-0970-0463)

2. Chandragiri Radha Charan, Manmohan, "Non Adaptive Generalized Neuron Model for Short-Term Load Forecasting with Error Functions", Georgian Electronic Scientific Journal – Computer Sciences and Telecommunications, Vol. 26, No.3, 2010, pp.81-87 (ISSN: 1512-1232) (http://gesj.internet-academy.org.ge/en/list_aut_artic_en.php?b_sec=comp&list_aut=1971)

3. Chandragiri Radha Charan, "Short Term Load Forecasting using Generalized Neuron Model under Cauchy Error Gradient Function", ELEKTROSNIST, Research Journal of School of Electrical Engineering, Sreenidhi Institute of Science and Technology, Vol.1, No.1,March 2010, pp.59-63.

4. K.Naga Sujatha, C Radha Charan, " Design and Implementation of Microcontroller Based Time Operated Solar Tracking System" Yuva Engineers - International Journal & Magazine of Engineering, Technology, Management and Research,Vol:1, Issue 4 (March 2012),pp.9-12, ISSN No: 2320-3706 (Print)

4. Chandragiri Radha Charan, K.Srinivas, K Pritam Satsangi, "Learning Rates in Generalized Neuron Model for Short Term Load Forecasting " , International Journal of Computer Applications, vol.45,no.24, May 2012, pp. 28-32 (ISSN 0975-8887) (IF: 0.83) (doi> 10.5120/7114-9558) (https://www.ijcaonline.org/archives/volume45/number24/7114-9558)

5. M T L Gayatri, AVRSS Sarma, Chandragiri Radha Charan, " Fast Initial State Assessment for State Estimator using Optimally Located Phasor Measurement Units", International Journal of Computer Applications, vol.50,no.17,July 2012, pp. 24-28(ISSN 0975-8887) (IF:0.83) (doi> 10.5120/7864-1131) (https://www.ijcaonline.org/archives/volume50/number17/7864-1131)

6. Shailaja M, V Vijay Kumar, Chandragiri Radha Charan, A V Sitarama Raju, "Development of Back Propagation Neural Network Model to Predict Performance and Emission Parameters of a Diesel Engine ", International Journal of Advanced Research in Engineering and Technology,vol.4,Issue 3, April 2013, pp.85-92 (ISSN: 0967-6480)

7. Chandragiri Radha Charan, "Performance Analysis and Seasonal Modulation of Load Grid Connected Photo-Voltaic System using PVSYST", International Journal Of Pure and Applied Research in Engineering and Technology, Vol. 4 (9),May 2016, pp. 409-417 (ISSN: 2319-507X), Impact Factor: 4.226

8. Chandragiri Radha Charan, P.Sangeetha, "Review of Photo – Voltaic System Technology Tools" National Conference on Science, Engineering and Technology (NCSET – 2016),International Journal of Recent and Innovation Trends in Computing and Communication (IJRITCC) June 2016, Volume: 4 Issue: 6,pp.152-154. (ISSN: 2321-8169)(SJIF.: 5.837)

9. Chandragiri Radha Charan, Dr.A.Jaya Laxmi, P.Sangeetha, "Optimized Energy Efficient Solution with Stand Alone PV System" International Journal of Science and Technology Special Issue,18th Jan 2017, Vol. 3, Issue 1, pp. 16 -27. (ISSN 2454-5880) (doi> https://doi.org/10.20319/mijst.2017.31.1627)
    (https://grdspublishing.org/index.php/matter/article/view/216)

10. Chandragiri Radha Charan, K.Pritam Satsangi, Thotakuri Meghana, Sreevani Sreekonda, "A Practical Analysis of PV System in North India", International Journal of Emerging Technology and Advanced Engineering, Volume 7, Special Issue 1, December 2017,pp.179-185   (ISSN: 2250-2459)
    (https://www.ijetae.com/Conference_JNTU2017.html)

11. Vurity Anudeep, Harshith Ch., Ram Kumar Paidi, Ch. Radha Charan, " Lithium Battery Monitoring and Mathematically Modelling its Equation " International Journal of Recent Technology and Engineering (IJRTE), Volume No.8, Issue 2, July 2019, pp.699-702 (ISSN:2277-3878)   (SCOPUS   Indexed)   (https://www.ijrte.org/wp-content/uploads/papers/v8i2/B1707078219.pdf)

12. V. Baby Shalini, Gattu Vinay Goud, Chandragiri Radha Charan, "Grid Connected Rooftop Solar Pv System: A Pre-Feasibility Estimation Using Pvsol Premium And System Advisor Model(Sam)", International Journal Of Scientific & Technology Research, Vol. 8, Issue 09, September 2019, pp.1711-1716. (ISSN 2277-8616) (SCOPUS Indexed)(https://www.ijstr.org/final-print/sep2019/Grid-Connected-Rooftop-Solar-Pv-System-A-Pre-feasibility-Estimation-Using-Pvsol-Premium-And-System-Advisor-Modelsam.pdf)

13. Chandragiri Radha Charan, Palla Tejaswini, "Design of a Net Energy Metering System for a Hybrid Energy Storage System" International Journal of Engineering and Advanced Technology (IJEAT), Volume-9, Issue-3, February, 2020,pp.3003-3005.(ISSN: 2249 – 8958)(https://www.ijeat.org/wp-content/uploads/papers/v9i3/C5787029320.pdf)

14. Chandragiri Radha Charan, Adla Raju, "A Review on Optimal Power Control of Grid Connected Photo Voltaic Resources" Journal of Engineering Sciences, Vol.11,Issue 2,Feb-2020,pp.383-384 (ISSN:0377-9254). (UGC CARE approved Group 'II' Multi Disciplinary Journal: Serial No : 20446)(DOI:10.15433.JES.2020.V11I02.43P.54)(https://jespublication.com/issue.php?cid=22&scid=55)

15. Chandragiri Radha Charan, Diddi Ramya, " A D-STATCOM for Power Quality Improvement Under Different Fault Conditions " International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-6, March2020,pp.1462-1465 (ISSN:2277-3878)(https://www.ijrte.org/download/volume-8-issue-6/) (www.ijrte.org/wp-content/uploads/papers/v8i6/F7657038620.pdf)

16. Chandragiri Radhacharan, Toom Nitin, "Performance Analysis of Fuzzy-Logic based Controller for MPPT of PV Cell", Helix Journal, Issue:4, Vol.10, 31st August 2020, pp.90-96(E-ISSN: 2319-5592;P-ISSN: 2277-3495)(https://helixscientific.pub/index.php/home/article/view/197) (https://doi.org/10.29042/2020-10-4-90-96)(https://helixscientific.pub/index.php/home/article/view/197/167)

17. Chandragiri Radhacharan, Sonnaila Vishnu Vardhan, "Designing and Evaluation the Solar Roof Top Plant Interconnectivity System for the Residential Buildings", Helix Journal, Vol.10, Issue:4,31st August 2020, pp.97-103(E-ISSN: 2319-5592;P-ISSN: 2277-3495)(https://helixscientific.pub/index.php/home/article/view/198) (https://doi.org/10.29042/2020-10-4-97-103) (https://helixscientific.pub/index.php/home/article/view/198/168)

18. Chandragiri Radhacharan, Ramineni Sandeep, Aditi Sharma, "Estimation of Technical Parameters for a PV System", Solid State Technology, Vol. 63, Issue:5, pp. 9853-9864, 2020. (ISSN:0038-111X) (https://solidstatetechnology.us/index.php/JSST/issue/view/48)

19. Chandragiri Radhacharan, Beeram Manjula," Rooftop Photovoltaic Power Generation System and its Performance Effecting Factors", Journal of Huazhong University of Science and Technology, February, 2021, Vol. 50, Issue 2, pp.1-12, Impact Factor:6.2 (ISSN:1671-4512)(Scopus Indexed)(http://hustjournal.com/vol502021feb/)

20. P.Sangeetha, Srujana Goli, Radhacharan Chandragiri, Compensation of Reactive Power Flow by Reducing the Current Harmonics using Shunt Active Filters, Journal of Huazhong University of Science and Technology, February,2021, Vol. 50, Issue 2, pp.1-12, Impact Factor:6.2 (ISSN:1671-4512)(Scopus Indexed) (http://hustjournal.com/vol502021feb/)

21. Chandragiri Radhacharan, Diddi Ramya, "Power Management of PV Battery Micro Grids With PR Controller", Journal of Huazhong University of Science and Technology,

February,2021, Vol. 50, Issue 2, February, 2021, pp.1-12, Impact Factor:6.2 (ISSN:1671-4512)(Scopus Indexed) (http://hustjournal.com/vol502021feb/)

22. Shymala S,C.Radha Charan,"Ant Colony Optimization Algorithm to Schedule Boiler Operation According to the Variable Load", JAC: A Journal of Composition Theory, Vol. XIV, Issue IV, April 2021,pp.104-111(Impact Factor=. 5.7) (ISSN:0731-6755) (http://www.jctjournal.com/gallery/17-april2021.pdf)

23. Chandragiri Radha Charan, Sonnaila Vishnu Vardhan, "Design and Evaluation of PSO based Maximum Power Point Tracking Algorithm for Standalone PV System" Design Engineering, November, Vol. 2021 Issue:8, pp.14075-14083. (ISSN: 0011-9342)(Impact Factor:1.0)

24. Chandragiri Radha Charan, Toom Nithin Chandra, "Modeling and Simulation of a V2g/G2v Electric Vehicle Charging Station " Design Engineering, November, Vol. 2021 Issue:8, pp.14084-14094. (ISSN: 0011-9342)(Impact Factor:1.0)

25. Chandragiri Radha Charan, Sandeep Ramineni, "Simulation Analysis of MPPT Controller for Solar Photovoltaic System using ANFIS Technique" Design Engineering, November, Vol. 2021 Issue:9, pp.187-202. (ISSN: 0011-9342)(Impact Factor:1.0)

26. Chandragiri Radha Charan, Beeram Manjula , " Harmonic Reduction and Improvement of Reliability for Grid Connected PV System using High Level Inverter" Design Engineering, November, Vol. 2021 Issue:9, pp. 2296 - 2303. (ISSN: 0011-9342)(Impact Factor:1.0)

International Conferences:

1. Chandragiri Radha Charan, "Application of Generalized Neuron Model in Short Term Load Forecasting under Error Functions", 2nd International Conference on Computing, Communication and Networking Technologies, Chettinad College of Engineering and Technology, Karur, Tamilnadu, July 29th – 31st , 2010,pp.1-4. (IEEE Xplore ISBN: 978-1-4244-6591-0) (DOI: 10.1109/ICCCNT.2010.5591670)

2. Chandragiri Radha Charan, Manmohan, "Application of Adaptive Learning in Generalized Neuron Model for Short Term Load Forecasting under Error Gradient Functions" 3rd International Conference on Contemporary Computing, Jaypee Institute of Information Technology and University of Florida, U.S.A., August 9th – 11th, 2010, Springer Verlag (Communications in Computer and Information Science-94, Berlin, Heidelberg), Part I , pp. 508–517. (ISSN: 1865-0929; ISBN: 978-3-642-14833-0; ISBN: 978-3-642-14824-8)(https://link.springer.com/book/10.1007%2F978-3-642-14834-7)

3. C.Radha Charan, Manmohan Agrawal, "Short Term Load Forecasting under Generalized Neuron Model with Error Functions", Joint International Conference on Applied System Research and XXXIII National Systems Conference, Dayalbagh Educational Institute, Agra, Uttar Pradesh, India, pp. 372-376, November 27th – 29th 2009. (ISBN: -13:978-0-07-014856-7; ISBN:10:0-07-014856-2)

4. C Radha Charan, K Pritam Satsangi, E Poornima, "Short Term Load Forecasting using Generalized Neuron Model With Error Gradient Functions ", 1st International Conference on Communication & Computing (ICCC'10), SRM University, Chennai and IEEE MTT-S®, India, pp. 01-04, April 12th & 13th 2010. (ISBN : 978-81-909948-0-4)

5. C Radha Charan, Ch V Sesha Giri, C Bhargava, "Variation of Learning Rate in Generalized Neuron Model for Short Term Load Forecasting under Sum Squared Error Gradient Functions", International Conference on Swarm, Evolutionary and Memtic computing (SEMCCO 2010), Department of Electrical and Electronics, SRM University, Chennai, Tamil Nadu, India, December 17th -18th , 2010.

6. Chandragiri Radha Charan, , "Application of Error Gradient Function by Generalized Neuron Model under Electric Short Term Load Forecasting", International Conference on Interdisciplinary Applications of Remote Sensing and Geographic Information System, at KJ Somaiya College of Science and Commerce, Mumbai, 26-27th April 2013, pp.53.

7. Chandragiri Radha Charan, M.Shailaja, B V Ram Naresh Yadav, "Optimization of Error Gradient Functions by NAGNM through ESTLF", International Conference on Advanced Engineering Optimization Through Intelligent Techniques(AEOTIT 2013), SV National Institute of Technology, Surat, Gujarat, India, July 1st-3rd 2013, pp.120-123.

8. Chandragiri Radha Charan, S Praveen Kumar , "Effect of Momentum Factor with Sum Square Error Gradient Function" , International Conference on Recent Advances in Science and Engineering 2012, held by Association of Scholars & Professionals at Taj Deccan Hyderabad, on 30th -31st October 2012,pp.43-47 (ISBN:978-81-923541-0-6)

9. Chandragiri Radha Charan, STLF under AGNM under Sum Square Error Gradient Function", 1st International Conference on Recent Trends and Innovations in Engineering & Technology 2013, 20th-21st December 2013 held at Rajiv Gandhi College of Engineering and Research , Nagpur,pp.176-178..

10. Chandragiri Radha Charan, V.B.Shalini, P.Swetha , Graphical Approach of Generalized Neuron Model for Electric Load Forecasting During Error Gradient Functions, Proceedings of International Conference on Recent Development in Computational Science and Information Technology (ICRDCIT '14) 7th -8th March 2014, Dept. of IT, SRM University, Delhi NCR Campus, India,pp.186-190,ISBN : 978-93-83083-55-8.

11. Chandragiri Radha Charan, Two Aggregation Parameters for Neural Network under ESTLF", International Conference in Engineering & Technology, (ICIET-2014), Department of Electronics & Communications , Arya College of Engineering and I.T. , Jaipur , Rajasthan, 26th -27th September 2014,pp.9-12. (ISBN: 978-81-925882-3-0)

12. Chandragiri Radha Charan, Single Phase Rooftop PV System with Direct Control and Fuzzy Logic Method, International Conference on Innovate Methods in Engineering Applications, Applied Sciences and Management Cases Sponsored by Anveshana Educational And Research Foundation, Hyderabad on 31st January 2016 at NSIC, Hyderabad,pp.26

13. Chandragiri Radha Charan, Survey of Photo-Voltaic Technology System Software's, International Conference on Innovate Methods in Engineering Applications, Applied Sciences and Management Cases Sponsored by Anveshana Educational And Research Foundation, Hyderabad on 31st January 2016 at NSIC, Hyderabad,pp.10.

14. Chandragiri Radha Charan, Yalakanti Laxminarayana, Dhanalakshmi Miryala, Flow Chart Model of Generalized Neuro-Fuzzy Network for Electric Short Term Load Forecasting, Proceedings of 2nd International Conference on Recent Development in Computational and Information Technology (ICRDCIT'16) organized by Department of Information Technology, SRM University Delhi NCR Campus, India,26th -27th February 2016, pp. 19-20 (ISBN: 978-93-84935-81-8)

15. S.Jagadish Kumar, P.Sangeetha, Chandragiri Radha Charan, " Shunt Active Power Filter Control by Instantaneous Reactive Power Compensation ",International Conference on Signal Processing, Communications, Power and Embedded Systems (SCOPES)- 2016, IEEE , USA conducted by Centurion University of Technology and Management, Paralakhemundi, Odisha, India during 3rd-5th October 2016,pp.2012-2016. (ISBN: 978-1-5090-4620-1/16)

16. P.Sangeetha , Dr.K.Naga Sujatha, Chandragiri Radha Charan, "Evaluation of Customer Scattering Impacts on Reliability of Distribution System with DG"7th International Conference on Envirotech, Cleantech and Greentech (ECG), Nanyang Technological University, Nanyang Executive Centre, Singapore organized by World Association for Scientific Research and Technical Innovation (WASRTI)- Global Research & Development Services on 10th-11th November, 2016,pp. 8. (International Journal of Science and Technology ISSN 2454-5880)

17. Chandragiri Radha Charan, Dr. K.Naga Sujatha, K.Pritam Satsangi, "Fuzzy Logic Controller based Model for Rooftop/Grid connected Solar Photovoltaic System" IEEE R10 Humanitarian Technology , 21st -23rd December 2016 at Dayalbagh Educational Institute,

Dayalbagh, Agra ,INDIA.(Electronic ISBN: 978-1-5090-4177-0, Print on Demand(PoD) ISBN: 978-1-5090-4178-7)

National Conferences:

1. C.Radha Charan, V.Srinath, "Short Term Load Forecasting using Generalized Neuron Model", National Conference on Design, Operation and Control of Distribution System, Department of Electrical and Electronics Engineering, Sreenidhi Institute of Science and Technology, Hyderabad, India, pp.1-5, July 3rd – 4th 2009.

2. S.Ravi Chander, C.Radha Charan, "Implementation of Static VAR compensation through SVC at 132/11/33 substation", National Conference on Design, Operation and Control of Distribution System, Department of Electrical and Electronics Engineering, Sreenidhi Institute of Science and Technology, Hyderabad, India, pp.233-241, July 3rd – 4th 2009.

3. Karteek Kumar, C Radha Charan, "Optimal Location of Super Conducting Fault Current Limiters for the Smart Grid Application", National Conference on Advances and Applications in Power System, Power Electronics and Solar Energy, Dept. of EEE, JNTUH College of Engineering, Jagtial, 24th -25th October 2013.

4. K Sharada Shilpa, C.Radha Charan, "Solar Potential Assessment of Grid Connected Photo-Voltaic System in PVSyst Software", National Conference on Recent Trends in Science and Technology, JNTUH College of Engineering Nachupally, Karimnagar, 25th -26th February 2015, pp.33-34(ISBN:978-93-82570-52-3)

5. R.Renuka , C.Radha Charan, "Single Phase Rooftop PV System with Direct Control and Fuzzy Logic Methods", National Conference on Recent Trends in Science and Technology, JNTUH College of Engineering Karimnagar, 25th -26th February 2015,pp.35-37. (ISBN:978-93-82570-52-3).

6. Sunkari Devender Reddy , C.Radha Charan, "Power Regulation of Battery System in Micro-Grid " ,National Conference on Recent Trends in Science and Technology, JNTUH College of Engineering Karimnagar, 25th -26th February 2015,pp.55-60. (ISBN:978-93-82570-52-3).

7. Chandragiri Radha Charan, "Estimation of Parameters for the Grid Connected Photo Voltaic System Using PVSyst: A Case Study" Souvenir on National Conference on Emerging Trends in Non- Conventional Energy Resources, organized by Dept. of ECE, Electrical Engineering, Physics Integral University, Lucknow on October 22nd 2016 supported by IEEE, UP Section, ISTE, New Delhi, Council of Science and Technology, New Delhi,pp.25.

Session Chair:

⌡ Session Chair Certificate Proceedings of 2nd International Conference on Recent Development in Computational and Information Technology (ICRDCIT'16) organized

by Department of Information Technology, SRM University Delhi NCR Campus, India, 26th &27th February 2016

Best Paper Award:

⌡ Achieved Best Paper Award for the paper entitled "Effect of Momentum Factor with Sum Square Error Gradient Function" , International Conference on Recent Advances in Science and Engineering 2012, held by Association of Scholars & Professionals at Taj Deccan Hyderabad, on 30th -31st October 2012.

Awards Received :

⌡ Young Achiever Award 2019 has been presented by Institute of Scholars, An ISO 9001:2015 certified by International Accurate Certification, Accredited by UASL.

⌡ Award of Excellence in Education, International Association of Educators and Corporate Trainers Award-2020,Bestow Edutrex International TM on 31/10/2020

⌡ Awarded ISTE-Syed Sajid National Award for Outstanding Research work on Renewable Energy for the year 2020 held at Y.B. Chavan Centre , Mumbai held on 05/10/2021 sponsored by Indian Society for Technical Education, New Delhi.

Orientation/Refresher /Summer Courses:

▪ Participated in Refresher Course on "Recent trends in Deregulation of   Power Systems" held by UGC - Academic College, JNTU Hyderabad from   13-06-2011 to 02-07-2011.(3 Weeks)

▪ Participated in Summer/ Winter School Research Methodology at JNTUH, College of Engineering , Nachupally, Karimnagar (Dist.), from 11-06-2012 to 30-06-2012. (3 Weeks)

▪ Participated in 32nd Orientation Course from UGC-Academic Staff College, JNTUH, Kukatpally, Hyderabad from 18-03-2013 to 18-04-2013 (4 Weeks)

▪ Participated in One Week National Level Workshop held in Department of CSE , JNTUH College of Engineering, Jagtyal, Karimnagar on "Big Data Analytics" from 14-12-2015 to 20-12-2015.

▪ Participated in a 2 Week Faculty Training Program held at University Industry Interaction Centre (UIIC) , JNTUH on Hydraulics, Pneumatics, PLCs and Sensorics In Association with Rexroth Bosch, Bangaluru between 13th -25th June 2016.

▪ Participated a Refresher Course in UGC-HRDC, JNTUH, Hyderabad on "Energy Conservation and Management – Issues and Methodologies" between 18-11-2019 to 30-11-2019 securing A$^+$

- Participated a Refresher Course in UGC -HRDC , JNTUH Hyderabad in a Two-Week Online Refresher Course on AI Techniques - Electrical Engineering during 22/11/2021 to 04/12/2021 Securing Grade "A"

Online FDP's/ Workshop/IITB STC:

- Participated in Two Day Online Workshop on "Online Tools & Software for Remote Teaching-Learning" scheduled during 24th & 25th of April, 2020 conducted by UGC-HRDC, JNTUH, Hyderabad.

- Participated in one week Faculty Development Program on Scilab between 1st May 2020 to 7th May 2020 under Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, and Spoken Tutorial Project IIT, Bombay under Pandit Madan Mohan Malaviya National Mission on Teachers and Training (PMMMNMTT)

- Participated in Faculty Development Program on R Programming between 11th May 2020 to 15th May 2020 Online conducted by Department of Computer Science & Engineering, Birla Institute of Technology Mesra Off Campus Noida in association with Spoken Tutorial Project, IIT Bombay.

- Participated in Two week online refresher course / FDP on Recent Innovations in Electrical , Electronics, Instrumentation , Automation & Teaching Pedagogy organised by the Department of EEE, EIE & ICE, Sri Sai Ram Engineering College, Chennai from 18th -30th May 2020 sponsored by IQAC, MHRD, IIIC.

- Participated in 5-Days online STTP on MATLAB based Teaching-Learning in Mathematics, Science & Engineering Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with DesignTech Systems Pvt. Ltd., Mumbai during 18th to 22nd May 2020.

- Participated in one week online International Faculty Development Programme on 22nd May 2020 to 28th May 2020 organized by Faculty of Engineering & Computing Science (FOECS), Teerthankar Mahaveer University , Moradabad, UP on Novel Approaches of Blockchain Technology & its Applications, sponsored by UGC, AICTE, IEEE UP Section, CSI, India, IBM, IIC.

- Participated in One Week in ISTE sponsored online faculty development program on Micro Grid , Electric Vehicles and Allied Areas(MGEVAA-20) organized by Department of Electrical & Electronics Engineering , Kakatiya Institute of Technology & Science , Warangal(An Autonomous Institute Under Kakatiya University, Warangal) during 1st-5th June 2020.

- Participating the One-Week Online Short Term Course on "Soft Computing Techniques – Renewable and Electrical Systems" scheduled from 01-06-2020 to 06-06-2020, being organized by UGC-Human Resource Development Centre (HRDC), JNTUH, Hyderabad.

- Participated in 5 Day Faculty Development Program on Renewable Energy Systems between 8th June 2020 to 12 th June 2020 organized by The Institution of Green Engineering (IGEN) in collaboration with Department of Electrical & Electronics Engineering, Panimalar Institute of Technology, Chennai

- Participated in one week Faculty Development Program on Moodle Learning System between 10th-15th June 2020 organized by JNTUH College of Engineering Sultanpur , Sangareddy Dist., T.S and Spoken Tutorial Project IIT, Bombay under Pandit Madan Mohan Malaviya National Mission on Teachers and Training (PMMMNMTT)

- Participated in one-week Faculty Development Program (online) program on "Real-Time Protection of Modern Power Systems(RPMPS-2020)" from 23rd -27th June 2020 with Department of Electrical and Electronics Engineering, Kakatiya Institute of Technology and Science Warangal in association with IEI-Warangal Local Center.

- Participated in One Week International FDP on Control Theory and Applications from 29th June to 3rd July 2020 organized by Vignan Institute of Technology & Science in association with Telangana Academy for Skill and Knowledge (TASK)

- AICTE Sponsored JNTUH , UGC-HRDC, participated in online FDP on AI Techniques in Electrical Engineering between 06/07/2020 to 10/07/2020

- Participated in a three day online Faculty Development Program on Fuzzy Mathematics and its Applications organized by department of Mathematics, Government College Daman in association with IQAC from 11th July to 13th July 2020

- Participated in Two Weeks industrial Training on Electrical Design and Analysis using E-TAP from 10/05/2021 to 24/05/2021 (Grade : A1), National Small Industries Corporation Ltd. Technical Services Centre, Hyderabad

- Participated in one week online Faculty Development , Advances in Renewable Energy & Smart Grid Integration, Department of EEE, Amity School of Engineering & Technology, Noida , U.P. from 31 /05/2021 to 04/06/2021.

- Participated in AICTE-ISTE Online Refresher Course from 14/12/2020 to 19/12/2020 (One Week) on Programming in Internet of Things held at Department of CSE, JNTUH College of Engineering Jagtial, Telangana State.

- Participated in 5 days Faculty Development Program on "Techno - Economic Assessment of Flexibility Competency in Deregulated Power System(TEAFCDPS-2021) " held on

20/09/2021 to 24/10/2021 at Swami Keshvanand Institute of Technology, Management & Gramothan , Jaipur sponsored by IEI(India).

) Participated in One Week virtual faculty development program on Artificial Intelligence for Electrical Engineering , organized by Department of EEE, Rajaramnagar, RIT-IEEE Students branch, sponsored by IEEE Region 10 Educational Activity , IEEE Bombay Section Educational Activities from 04/10/2021 to 08/10/2021.

Invited Talk :

) Certificate of Appreciation as a resource person in National Level One Week Short Term Training Program on Renewable Energy & Technology on topic Solar PV software organized Department of Electrical Engineering, Padm. Dr.V.B.Kolte College of Engineering, Malkapur, M.S., India held between 15/06/2020 to 19/06/2020 in association with ISTE, New Delhi, IE(India), Aurangabad Local Chapter, IQAC, S.G.B.A.U., Amravati (Date: 19/06/2020)

) Certificate of Appreciation as a resource person in "Solar Energy Conversion Systems: Technologies, Design and Applications", conducted by Velalar College of Engineering and Technology, Erode, Tamil Nadu, India , Department of Electrical & Electronics Engineering, AICTE Sponsored Online Short Term Training Programme, Series-III, Dates: 15/02/2021 to 20/02/2021, Topic: Solar PV Simulation Software's.(NBA,NAAC)(Date: 19/02/2021)

) Certificate of Appreciation from CMR Engineering College, One Week AICTE-ISTE Induction/Refresher Course (Online Mode), "Field Computation in Electrical Engineering", March 3rd-9th 2021-Introduction to Field Computation in Electrical Engineering sponsored by AICTE-ISTE-UGC(03/03/ 2021)

) Certificate of Appreciation from Faculty of EE, Poornima College of Engineering, Jaipur in "Advances in Power Generation from Renewable Energy Sources" held between 06/12/2021 to 11/12/2021 One Week AICTE-ISTE Induction/Refresher Course (Online Mode) Dated 09/12/2021 with an topic of An overview of Solar PV System Software.

MHRD Workshop:

) Participated in MHRD National Mission on Education through ICT, "International School on Quantum and Nano Computing Systems and Applications" held in Dayalbagh Educational Institute, Agra , India, December 2nd – 5th, 2010.

IEEE Workshops:

- IEEE PES-IAS Delhi Chapter Workshop on 'Power systems for 21st Century- Various Issues and Possible Solutions', Indian Institute of Technology, New Delhi,6th – 7th November 2004.

- Attended IEEE Hyderabad Section- Section Student Congress'15 held on 3rd -4th October 2015, DST Auditorium, HCU, Hyderabad.

- Attended IEEE Conference Organizing Workshop (COW) conducted on 25th April 2015 in Tata Consultancy Services, Gachibowli, Hyderabad.

- Attended workshop Matrix Analysis Through Octave , IIT Hyderabad Teaching Learning Centre IEEE Hyderabad Section ,9th April 2016.

- Participated in Two Days Research Workshop at IIIT, Hyderabad on 26th-27th August 2017 under IEEE Young Professionals and IEEE Hyderabad Section.

AICTE Courses/ International/ National Workshops:

- QIP - Short term course on ' Mathematical Modeling of Engineering Systems' sponsored by AICTE, Government of India at Indian Institute of Technology, New Delhi, 14th – 18th June 2004.

- Participated in Indo –US Science & Technology Forum workshop 'Soft Quantum and Nano Computing' (SQUAN- 2007), in 22nd – 25th February 2007, D.E.I., Agra, Uttar Pradesh, India.

- Participated in Indo – Canadian – American , 'Quantum and Nano Computing Conclave' in December 22, 2007 in D.E.I., Agra, Uttar Pradesh, India.

- Participated in the training programme on Effective Teaching Methodology from 26th November – 1st December , 2007 held at Sreenidhi Institute of Science and Technology, Hyderabad, India.

- Participated in One Week training programme on Emerging Trends of Electrical Engineering (Under TEQIP World Bank Scheme) held from 18th – 22nd February, 2008 organized by Department of EEE, Sree Nidhi Institute of Science and Technology, Hyderabad, India.

- Participated in National Conventional for Software and Research, Mahindra Satyam Technology Centre, Hyderabad hosted by SWECHA from December 16th -18th , 2010.

- Participated in CE and QIP-Short Term Course on "TRIZ and Taguchi methods using Innovation and Optimization" at IIT, Bombay from 19th-23rd December 2011 (1 Week).

- ⟩ Participated in a 3-Day workshop on "Power System Studies – Theory and Practice at a glance " Department of EEE, JNTUH College of Engineering, Jagtial, T.S. between 2nd-4th November 2016

- ⟩ Participated in Real Time Simulation for Power Electronics and Power System Applications , Centre for Continuing Education, Indian Institute of Science, Bengaluru in Short Term Course under Quality Improvement Program – AICTE, New Delhi during 10th- 14th July 2017.

- ⟩ Participated in one week short term course on e-Learning and ICT for Teaching & Learning, 30-07-2018 to 04-08-2018 in UGC-HRDC, JNT University, Hyderabad.

- ⟩ Participated in an "International Symposium on Recent Challenges in Engineering (ISRCE 2019)" on 21st-22nd December 2019 held by College of Engineering O.U. in Department of Electrical Engineering organized by OUCE Alumni Association, Hyderabad, India.

- ⟩ **AICTE-ATAL Online FDP**:

- ⟩ Participated in AICTE Training and Learning Program (ATAL) on Systems Engineering from 26/10/2020 to 30/10/2020 at National Institute of Delhi, New Delhi

- ⟩ Participated in AICTE Training and Learning Program (ATAL) on **Nature Inspired Optimization Techniques** from 19/07/2021 to 23/07/2021 at National Institute of Delhi, New Delhi

Seminars participated:

- ⟩ National level Technical symposium on 'Micro controller and its Applications', R.G.M.C.E.T., Nandyal, A.P, on 23rd - 24th December 2002 in Ripple - 2K2.

- ⟩ National level second prize in seminar on 'Multi Agent Protection of Power System by Micro controller base Relay', Aligarh Muslim University, Aligarh, 02-03, March 2003.

- ⟩ Participated in GYAN JYOTI 3rd National Symposium from 28th-29th 2003, Hindustan College of Science and Technology, Farah, Mathura, Uttar Pradesh.

- ⟩ National level The Institute of Engineers – DEI Students' Chapter symposium on 'Professional Ethics and Moral Values', D.E.I., Agra, October 2004.

- ⟩ Seminar on ' Futuristic Computing Strategies', Department of Physics and Computer Science, D.E.I., Agra, 31st March 2006 organized by UGC-SAP.

JNTUH UGC HRDC Activities:

⟩ Acted as Course Coordinator for a Two Week Online Refresher Course on "Soft Computing Techniques - Electrical Engineering" scheduled from 05/10/2020 to 20/10/2020 held at UGC-Human Resource Development Centre, JNTUH, Kukatpally, Hyderabad

⟩ **ISTE Telangana Section: Activities : Member of Section Managing Committee:**

⟩ Worked as Coordinated the National Science Day Celebrated on 28/02/2020 in JNTUH College of Engineering Jagtial, Jagtial,T.S.

⟩ Worked as Convener , ISTE Telangana Section , Faculty Development Program, "Outcome Based Education and Accreditation (NBA and NAAC)" between 05/10/2020 to 09/10/2020.

⟩ Worked as Co-Coordinator for AICTE-ISTE Sponsored Online Refresher Course held at JNTUH College of Engineering Jagtial, "Programming in IoT" between 23/11/2020 to 28/11/2020

⟩ Worked as Co-Coordinator for AICTE-ISTE Sponsored Online Refresher Course held at JNTUH College of Engineering Jagtial, "Programming in IoT" between 07/12/2020 to 12/12/2020

⟩ Worked as Co-Coordinator for AICTE-ISTE Sponsored Online Refresher Course held at JNTUH College of Engineering Jagtial, "Programming in IoT" between 14/12/2020 to 19/12/2020

⟩ Worked as Coordinator on National Educational Policy-2020 sponsored by AICTE, ISTE New Delhi on 31/03/2021

M.Tech. Dissertations Completed:

1. Ravi Chander S,(07311D4906) "Implementation of VAR Compensation at a 132P/11T/33S kV Sub Station using SVC and DSTATCOM" , February 2010.

2. Saritha G, (08311D4912)"Short Term Load Forecasting Using Back Propagation Networks" December 2010.

3.K.Praveen Kumar(11JJ1D0706), "Comparison of Instantaneous Active and Reactive Current and Power Theories in the case of Grid Interactive PV System using Fuzzy Logic based MPPT" December 2013.

4. P. Karteek Kumar, (11JJ1D0710)"Optimal Location of Super Conducting Fault Current Limiters for the Smart Grid Application" December 2013.

5. N.Santosh Kumar, (11JJ1D0709)"Reduction of Harmonics using Shunt Active Power Filter" December 2013.

6. Gugulotha Praveen Kumar,(12JJ1D0703)" Modelling and Simulation of Hybrid Connected Grid of Non-Conventional Energy Sources" ,2014.

7. M.Aruna Kumari, (12JJ1D0708)"Short Term Electric Load Forecasting using Data Mining Technique in WEKA", 2014.

8. K.Sharda Shilpa, (13JJ1D0708)"Performance Analysis and Seasonal Modulation of Load with Grid Connected Photovoltaic System using PVsyst" , 2015.

9. Rachakonda Renuka,(13JJ1D0713)" Fuzzy Logic Control of Grid Connected Rooftop Photovoltaic System with Limited Reactive Power Conditioning" , 2015.

10. Sunkari Devender Reddy , (13JJ1D0714)"Reduction of Harmonics in a Grid Connected 1-Phase PV Inverter using PWM Technique ",2015.

11. Bodduna Ravikanth(14JJ1D0703), "Implementation of Predictive Control Scheme on Active Power Filter Performance for Non-Linear Loads" March 2017.

12. Jalli Deepthi ,(14JJ1D0706) "Analysis of Stand -Alone Wind Energy Conversion System and Its Control ", 2016.

13. Nageswara Rao Y,(15JJ1D0707) "Active and Reactive Power Control during Unbalanced Grid Voltages in PV Systems using Fuzzy Logic" December 2017.

14. Vutla Vijay(15JJ1D0713), "Implementation for Maximum Power Point Tracking of Optimized Solar Panel by using Adaptive Neuro Fuzzy Interference System" , February 2018.

15. C Sravan Kumar,(16JJ1D0703) "Performance Analysis of a Grid Connected Photovoltaic System Using Homer Software", 2018

16. P. Tejaswini, (18JJ1D0703), "Self Consumption   Centered Performance Assessments of Solar Photo-Voltaic Microgrid for Commercial Institutions in Developing Countries ", December 2020

17.Diddi Ramya,(18JJ1D0711), "An Adaptive Control and Power Optimization of PV Battery Based Hybrid Microgrids" April 7th 2021.

18.Uppunooti Soumya(16JJ1D0714), Hybrid AC/DC Microgrid Power Management by using PEM Fuel Cell and Super Capacitor "April 7th 2021.

Citations:

1.Google Scholar: https://scholar.google.com/citations?user=JeSU_RUAAAAJ
2. SCOPUS :
3. Publons: https://publons.com/researcher/4132621/chandragiri-radha-charan (ABI-5504-2020)

4. ORCID: https://orcid.org/0000-0001-5436-6700

Software Expertise:
- **Languages:**   C, MASM, 8051 Microcontroller kit
- **Mathematical Software:** MATLAB 7.0
- **Current Research:** Soft Computing , Electrical Power Systems, Solar Photo-Voltaic Systems software's

Personal Details:

Date of Birth	: 19th August 1982
Sex	: Male
Marital Status	: Married
Languages Known	: English, Hindi, Telugu
Nationality	: Indian

(C.RADHA CHARAN)