
Dr.S Mani.Kuchibhatla , M.Tech,(NITW),Ph.D.,(JNTUK)

Associate Professor & HOD-EEE

Department of Electrical and Electronics Engineering

ACE Engineering College, Ankushapur (V)

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CURRICULUM VITAE

ACADEMIC CREDENTIALS

❖ **Doctor of Philosophy, 2021**

Area of specialization: Enhancement of Power Quality.

Department of Electrical and Electronics Engineering

Organization: **Jawaharlal Nehru Technological University Kakinada.**

❖ **Master of Technology, 2008**

Area of specialization: Power Systems Engineering

Department of Electrical and Electronics Engineering

Organization: **National Institute of Technology, Warangal**

❖ **Bachelor of Technology, 2001**

Department of Electrical and Electronics Engineering

Organization: **Jawaharlal Nehru Technological University Kakinada.**

❖ **Diploma in Electrical & Electronics Engineering,1997**

Department of Electrical and Electronics Engineering

Organization: **SMVM Polytechnic, Tanuku.**

❖ **SSC ,1994**

From: **Z.P.P.High School (Boys),Tanuku**

❖ Research Interests: Enhancement of Power Quality, FACTS, PLC & SCADA.

TEACHING EXPERIENCE 19 Years 3 months

SL. No	Designation	Organization	Period		Duration
			From	To	
1	Associate Professor	ACE Engineering College., Hyderabad.	23 June 2014	Till date	8 years7 months
2	Associate Professor	V.B.I.T., Hyderabad.	March 2010	June 2014	4 years 3months
3	Assistant Professor	A.N.I. Ts, Vishakhapatnam.	June 2003	March 2010	7 years
4	Academic Assistant	J.NT.U., Kakinada	June 2002	June 2003	1 Year

PROFESSIONAL CREDENTIALS

- ❖ 20 Years 10 months of Teaching Experience.
- ❖ 7 Years of Research Experience.
- ❖ Member of Department BOS
- ❖ Faculty Co-Ordinator for IEEE for Power Energy Society.
- ❖ Appointed as Subject Expert for Question Paper Setting for JNTUH (Autonomous) Colleges.
- ❖ Appointed as a Subject Expert for Preparing Detailed Scheme of Evaluation for Electrical Machines-III by JNTUH in the Year 2018.
- ❖ Appointed as a Subject Expert in Selection Committee Member for Sridevi Women's Engineering College by JNTUH in the year 2017.
- ❖ Regular Evaluator for JNTUH B.Tech Examinations.

PROFESSIONAL MEMBERSHIPS

- ❖ Life Time Member of Indian Society for Technical Education (LMISTE).
- ❖ Life Time Member of the Institute of Electronics and Telecommunication Engineers (LMISTE)
- ❖ Life Time Member of Indian Academic Researchers Association.
- ❖ Life Time Member of International Association of Engineers

TRAINING AND CERTIFICATIONS

- ❖ Trained in the course of “Critical Pedagogy” from NITTT Chennai from 7.2.2022 to 11.2.2022.
- ❖ One- day Training workshop on “Smart grid Applications in Distribution” on Dt25.11.2022 in Centre of Plant Engineering Services (COPEs) Secunderabad.
- ❖ Trained in the course of “Two weeks Industrial Training on Applied EV Design and Integration” from 16.11.2022 to 30.11.2022 at NSIC, Hyderabad.
- ❖ Trained in the course of Electrical Vehicles –Charging Stations, Infrastructure & Technology from 8:8:2019 to 22:8:2019 at NSIC, Hyderabad.
- ❖ Certification from NPTEL-AICTE on the Course “Software Testing” in Jan - Feb 2022 from IIT Madras with ELITE.
- ❖ Certification from NPTEL-AICTE on the Course “Introduction to Internet of Things” in Jan - Apr 2022 from IIT Kharagpur .
- ❖ Certification from NPTEL-AICTE on the Course “Block chain and its Applications” in Jan - Apr 2022 from IIT Madras.
- ❖ Certification from NPTEL -AICTE on the Course “Power Systems Dynamics, Control and Monitoring” with ELITE.
- ❖ Certification from NPTEL-AICTE on the Course “Introduction to Smart Grid” with ELITE.
- ❖ Modified certification from NPTEL-AICTE on the Course “Industrial Automation and Control” during Jan-April 2020.
- ❖ Modified certification from NPTEL-AICTE on the Course “Power Quality Improvement Technique during Jan-April 2020.

KEY RESPONSIBILITIES

- ❖ Head of the EEE Department from Dt.20.10.2021 to till date
- ❖ Chairperson BOS-EEE from Dt.20.10.2021 to till date
- ❖ Member of various Departmental committees like Departmental Advisory Committee, Departmental Core Committee, Program Assessment Committee, Project Review Committee. &Etc..
- ❖ Member of various Institutional committees like NBA, NAAC, Autonomous, IQAC Internal Quality Assessment Committee Academic Council Committee, College Academic Committee, Anti Ragging Committee, Disciplinary Committee.
- ❖ Member of various Institutional committees like Entrepreneurship Development ship cell, Cultural Committee, Grievance Redressal Committee, Women Empowerment Committee, Research & Development Committee, Internal Complaints Committee

- ❖ Faculty Co-ordinator for the Inter College Cultural Literary & Sports Fest (UDAAN) in ACE Engineering College.
- ❖ Faculty coordinator for FACEIT2K15 Technical event in ACE Engineering College.

RESEARCH GUIDANCE

- ❖ Guidance at Post Graduate level: No. Completed: 5
- ❖ Guidance at Under Graduate level: No. Completed: 14

SOFTWARE SCOPE

- ❖ Electrical Software's: MATLAB, Solar Pro, PVSYS, PSPICE.

SUBJECTS TAUGHT

- ❖ Basic Electrical Engineering
- ❖ Power systems-I
- ❖ Electrical Machines-I
- ❖ Electrical Machines-II
- ❖ Electrical Machines-III
- ❖ Switchgear and Protection
- ❖ Flexible AC Transmission Systems
- ❖ Utilization of Electrical Engineering
- ❖ Basic Electrical & Electronics Engineering

NATIONAL CONFERENCE ORGANIZED

- ❖ As Convener to “1st National Conference on Applications on Soft Computing Techniques in Engineering- NCASCTE-2022” from Dt.9.12.2022 to Dt.10.12.2022 at ACE Engineering College, Hyderabad

RESEARCH PUBLICATIONS

[1].S. Mani Kuchibhatla , D. Padmavathi, R. Srinivasa Rao, “ Adaptive Technique for PQ Analysis in Renewable sources with Grid Integrated SSFC,” *Springer, Journal of Ambient Intelligence and Humanized Computing*, (ScienceCitationIndexExpand),ISSN: 1868-5137, DOI: <http://doi.org/10.1007/s12652-019-01283-5>, Accepted , First online: 04 April 2019, Un-paid Journal with Impact Factor (JIF) – **1.423**, (SJR) - **0.352**.

- [2] S. Mani Kuchibhatla , D. Padmavathi, R. Srinivasa Rao,“An Elephant Herding Optimization Algorithm based Static Switched Filter Compensation Scheme for Power Quality Improvement in Smart Grid,” *Journal of Circuits, Systems and Computers(JCSC)*,([Science Citation Index](#)), ISSN:0218-1266,doi: 10.1142/S0218126620500668,Accepted on 13 May 2019, Un-paid Journal with Impact Factor (JIF) – **0.595**, (SJR) – **0.184** .
- [3]. Samanthaka Mani Kuchibhatla , Padmavathi Devasetty, Srinivasa Rao Rayapudi, “A New Meta Heuristic Algorithm based FACTs SSFC Implementation for Power Quality Enrichment in Grid Inter Connected System with Renewable Energy Sources,” *International journal of technology and exploring engineering (IJITEE)* ISSN:2278-3075,Vol.8,Issue-9S3,july2019.UGC-CARE,unpaid journal with impact factor **5.54**.
- [4]. K.S. Mani, D. Padmavathi, R. Srinivasa Rao, “Power Quality Improvement in Wind Smart Grid Using Facts SSFC,” *IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)*, Vol. 11, Issue 3 Ver. III, pp 57-66, May-jun.2016. ISSN: 2320-3331, www.iosrjournals.org, Un-paid Journal with Impact Factor (IF)-3.26.
- [5] S. Mani Kuchibhatla, D. Padmavathi, R. Srinivasa Rao, “Enhancement of Power Quality in Wind Connected Grid System Using SSFC With Fuzzy Logic Controller,” *Journal of Engineering and Applied Sciences*, Vol.13, No.4, pp.934-939,2018. ISSN:1816-949X, (Scopus indexed), Un-paid Journal with Impact Factor (JIF) – 3.1457.
- [6]. S. Mani Kuchibhatla , D. Padmavathi, R. Srinivasa Rao, " Effect of carrier frequency in grid interconnected wind system with SSFC controller,” *International journal of power electronics and Drive systems (IJPEDS)*, Vol.9,no.3, pp.1349-1355.September 2018, ISSN: 2088-8694 DOI:10.11591/ijpeds.v9n3. (Scopus indexed), Un-paid Journal with Impact Factor (JIF).
- [7] Dr.S.Mani Kuchibhatla,G.Sunitha,B.Radhika,Ch.Tharun Kumar Reddy “Load Analyzation for Solar Power Plant Design using PVsyst Software” International Journal of Progressive Reseach in Engineering Manegement and Science (IJPREMS),Volume-2,Conference 1,December 2022 e-ISSN:2583-1062.
- [8] Dr.S.Mani Kuchibhatla,k.Srikanth, Ch.Rohit, K.Manikanta “ Intelligent Monitor and Control of Residential loads using IOT” International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)”,Volume-4,Conference 1,December 2022 e-ISSN:. 2582-5208.
- [9] Dr.S.Mani Kuchibhatla,chintam Jhansi,Padala Ravichandh,Rasala Vasavi “Interpretation of Cell Technology and Assortment of PV Module” International Research Journal of Modernization in Engineering Technology and Science”,Volume-4,Conference 1,December 2022 e-ISSN:. 2582-5208.

[10] Dr.S.Mani Kuchibhatla, B. Kalyan Goud, R.S.L. Sathvik , P. Varshini “Live Location Tracking of a Vehicle on Google Maps using IOT and Powered by Solar” in International Research Journal of Engineering and Technology (IRJET), Volume: 08 Issue: 06 , June 2021, e-ISSN: 2395-0056.

[11] Dr. S. Mani Kuchibhatla, Ms. Chandana, Ms. Spandana ,G. Naveen “Automatic Boat for Fisherman” International Journal for Research in Applied Science &Engineering Technology,(IJRASET) Volume 9, Issue VI, June 2021 ISSN No:2321-9653.

[12] S. Mani Kuchibhatla, Kukkala Parashuram, Vangala Sai Sumanth, Bestha Anitha,” Mechanized Coffee Trading Machine Via SELEC PLC” International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 8 Issue 11, November-2019.

[13] S. Mani Kuchibhatla.,“Hardware implementation of fully automated Solar grass cutter.”International Journal of Scientific Progress & Research (IJSPR) ISSN NO:2349-4689, Vol. 36 Issue 2, 2017.

INTERNATIONAL CONFERENCE

[1] . Samanthaka Mani Kuchibhatla , Padmavathi Devasetty, Srinivasa Rao Rayapudi, “A New Meta Heuristic Algorithm based FACTs SSFC Implementation for Power Quality Enrichment in Grid Inter Connected System with Renewable Energy Sources,” *2nd International Conference on Emerging Trends in Engineering Sciences & Management – 2018 (ICEESM’18)*, 21st &22nd December 2018, RGM College of Engineering & Technology, Nandyal. A.P,India. ISBN: 978-81-938463-0-8.

NATIONAL CONFERENCE

[1]. K.Samanthakamani ,M.V.Subramanyam, “Analysis of PI tuned closed loop five level multi-level inverter controlled three phase induction Motor.” NCPSPE-2012.Held on 17th February 2012.on "Recent Trends in Power Systems and Power Electronics" BVC Engineering College. Amalapuram.

**LIST OF WORKSHOPS/ SHORT-TERM COURSES/
CONFERENCES SEMINARS / ATTENDED**

SL. No	Name of the Conference /Short Term Course/ Work Shop	Organization Conducting	Place & Year
1	National Level Five Day Faculty Development Programme on “Re-think and Re-design of curriculum, Teaching methods and mode of teaching in post COVID Scenario”.	Jointly Organized by IQAC, Acharya Nagarjuna University, Guntur and Young Researchers Forum, Mumbai, Maharashtra	Through Google Meet from 19.06.2020 to 23.06.2020.
2	A 5-day online faculty development programme on “Electric Vehicles - An Academic and Research Perspective”.	Department of EEE Sri Vasavi Engineering College (Autonomous) A.P	During 9 th -13 th June 2020.
3	A webinar on “University industry linkage-different mechanisms”	Audisankara group of institutions	May 02, 2020
4	A webinar on “Employability Skills in Curriculum Design”.	Audisankara College of Engineering & Technology Autonomous	April 26, 2020
5	A webinar on Science and Technology for the New Prosperous, Happy and Healthy India.	Audisankara Group of Institutions Gudur, Nellore A.P	May 28,2020.
6	One-week online FDP on “Internet of Things and Artificial Intelligence Applications”	Department of Computer Engineering KL Deemed to be University. Guntur A.P	From 1 st June to 6 th June 2020
7	Power Systems Dynamics, Control and Monitoring	NPTEL	1 ,1/2 Week FDP [Jan-April 2019]
8	Introduction to Smart Grid	NPTEL	1 Full Week FDP [Jul-Sep 2019]
9	Work shop on “To train the trainers for implementation of induction program”	Under TEQIP at JNTUH, Kukatpally, Hyderabad.	JNTUH, Kukatpally, Hyderabad. 17th-19th May 2018
10	STTP on “Recent advances in distributed generation and power quality”	Sreenidhi Institute of Science and Technology.	Hyderabad, 04th-09 th December 2017.

11	Fourth international conference on transformations in engineering education. ICTIEE 2017	Hyderabad. Vardhaman college of Engineering, Hyderabad.	Hyderabad, 6th-8th Jan 2017.
12	A Two-day work shop on solar system designing using solar pro software.	NSIC, Hyderabad	Hyderabad, 06th-7thDecember 2016
13	One week course on “Allen Bradley PLCs & Ladder Programming”	Advanced Training Institute for Electronics and process instrumentation, Hyderabad.	Hyderabad, 04th - 08th July 2016.
14	National Symposium and Technology Exhibition 2013 “Micro grids: Laboratories to Real Markets”	organized by IEEE /PES/IAS/PELS Joint chapter, Hyderabad section	Hyderabad, 22nd -23rd February 2013.
15	“Power Colloquium”	organized by IEEE PES-VBIT SB EEE	V.B.I.T, Hyderabad, 1st -2nd February 2013.
16	Seminar series on “Advances in Power Systems”	Organized by Sreenidhi Institute of Science and Technology”,	Hyderabad, 23rd -24th January 2013.
17	A Two-day National workshop on “Recent Trends in Power Electronics and Power systems” (RTPEPS)	Organized by GITAM University, Hyderabad Campus.	Hyderabad, 6th -7th January 2012.
18	“High Voltage Test and Measurement Techniques”	organized by UHV Research Laboratory, Central Power Research Institute,	Hyderabad, 11th to 12th November 2010.
19	“Recent Advances in Power System Protection”,	Organized by EEE Dept N.I. T, Warangal.	N.I. T, Warangal 29th -31st March 2007.
20	“A Three-Day Faculty Development Programme”	Organized by Anil Neeru konda Institute of Technology & Sciences,	Visakhapatnam 15th to 17th June 2006.
21	“Computer Methods in Power Systems”	Organized by Laki Reddy Bali Reddy College of Engineering.	Mylavaram. November 28th to December 02nd 2005.
22	“Application of Power Electronics to Power Systems”.	Organized by Gayatri Vidya Parishad College of Engineering.	Visakhapatnam 6th to 10th December 2004

PERMANENT ADDRESS:

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