



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

Sponsored by: SKPVV Hindu High School Committee, Estd: 1906  
(Approved by AICTE Affiliated to JNTU Kakinada)

ISO 9001:2015 Certified

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**FACULTY PROFILE**

**Dr. V.PRAVEEN** M.Tech, Ph.D, MIE, MISTE, MIEEE

S/o V.Hemarajan

Vijayawada, Dist:Krishna,

Andhra Pradesh-520012

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**Experience:**

Teaching: 8+ years

**Career Profile**

Year	Organization	Role
Nov 2018 to till date	Potti Sriramulu Chalavadi Mallikarjuna Rao college of Engg. and Tech., Vijayawada.	Associate Professor
May 2017 to Nov 2018		Assistant Professor
Dec 2012 to may 2017	Visvodaya Engineering College, Kavali	Assistant Professor
Nov 2010 to Nov 2012	Sri Padmavathi Engineering Collge , Kavali	Assistant Professor

## **Qualification**

<b>Degree and Date</b>	<b>Board / University</b>	<b>Date of Completion</b>	<b>% Marks</b>
Ph.D (EEE)	Shree Venkateshwara University	2018	
M.Tech (EEE)	JNTUA Campus	2010	64%
B.Tech (EEE)	JNTUH	2007	68%
Intermediate (MPC)	Board of Intermediate Education	2002	63%
SSC	Board of Secondary Education	2000	67%

## **The subjects handled:**

1. Electrical Machines (EM-I, EM-II, EM-III)
2. Power Semiconductor Drives (PSD)
3. Artificial Intelligence (AI)
4. Soft Computing Techniques (SCT)
5. Electrical Circuits(EC)
6. Basic Electrical and Electronics Engineering (BEEE)
7. Principles of Electrical Engineering (PEE)
8. Power System-1 (PS-1)
9. Programmable Logic Controller (PLC)
10. Renewable Energy Sources and Sytems(RESS)
11. Flexible AC Transmission Systems(FACTS)

## **Affiliation to Professional Bodies**

<b>S.No</b>	<b>MEMBERSHIP NAME</b>	<b>MEMBERSHIP ID</b>
1	MEI (IEI)	M-162296-4
2	theIRED	SM10100060903
3	ISTE	LM 105982
4	TERA	TERA-M19872
5	IEEE	95609523
6	ICSES	3722
7	IAENG	236258

## **Publications**

1. V.Praveen, V.Masthanaiah “Soft switching power factor correction of Single Phase and Three Phases boost converter”- (SSRG-IJEEE)-ISSN 2348-8379 – volume 1 Issue 10 Dec 2014.
2. V.Praveen, R.V.Lakshmi Prasanna “An Efficient Power Generation System by using Advanced Multilevel Inverters”-IJSETR-ISSN 2319-8885, Vol.03, Issue.46, December-2014.
3. V.Praveen, P.Sudheer Kumar “Improvement of Power Quality Using Advanced Series Active Power Filters”-IJMTER-ISSN 2349-9745,vol.02,Issue 07, July 2015.
4. V.Praveen, SNV.Ganesh “Fuzzy controlled Dynamic Voltage Regulator for Power Quality Improvement” -IJEPP- ISSN 23-32, Vol-1, Issue-1, Nov 2016.
5. V.Praveen, S.Gopi “Z-Source inverter controlled Dynamic Voltage Restorer for Power Quality Improvement” -IJMTER- ISSN-2393-8161, Vol 03, Issue 12, Dec 2016.
6. V.Praveen, SNV.Ganesh “Reduction of voltage disturbances in distribution system using neural controller”-IJIIE Vol 04, Issue 9, 2017.
7. V.Praveen, P.Rajyalakshmi “Implementation Of Cascaded H-Bridge Multilevel Inverter With Equal DC Voltage Source”- IJAREEIE Vol 07, Issue1, 2018.
8. V.Praveen, P.Rajyalakshmi “Mitigations of voltage sag and swell for power quality improvement using dynamic voltage restorer”- IJAREEIE volume 7 issue 3, march 2018.
9. V.Praveen, P.Rajyalakshmi “Mitigation of voltage sag and swell using Z-source inverter with Discrete PI controller based on DVR”- IJRASET Vol 6, issue 3, march 2018.
10. V.Praveen, P.Rajyalakshmi “Power quality improvement using cascaded H-bridge multilevel inverter with D-Statcom”-IJRREEE Vol 5 issue 2 june 2018.
11. V.Praveen, SNV.Ganesh “Particle Swarm Optimization (PSO) and Internal Model Control (IMC) based tuning technique for PI controller for DVR for improved dynamic response and power quality” – **SCOPUS journal IJPAM** volume 119 No.16, 15 July 2018.
12. V.Praveen, P.Rajyalakshmi “Asymmetrical cascaded half bridge multilevel inverter with PMSM”. IRJET, Volume 5, Issue 7 July 2018.
13. V.Praveen, SNV.Ganesh “A comparison between SFLA and Wavelet based zero active power tracking technique for improving DVR capability and voltage sag”– **ELSEVIER SCOPUS-JARDCS**-. Vol. 10, -Special Issue-5, 2018.
14. V.Praveen, SNV.Ganesh “Enhancement of DVR Capability Using Wavelets”- **ELSEVIER SCOPUS-JARDCS**-Vol. 10, 12-Special Issue, 2018.
15. Dr.V.Praveen, P.Rajyalakshmi “Single Phase Cyclo Inverter Based On Capacitor Start Induction Motor”- IJAREEIE- Volume 7, Issue 10, 20 October 2018.
16. Dr.V.Praveen, P.Rajyalakshmi “ Voltage Control and Load Sharing In DC Distribution Systems with Three Phase AC Machines”- IJSER- Volume 7, Issue 10, 28 October 2018.
17. Dr.V.Praveen, N.Saida Naik and P.Rajyalakshmi “Super Conducting Magnetic Energy Storage DVR based on Diode Clamped Modular Multilevel Converters” - **SCOPUS journal IJAIEM**-Volume 7, Issue 11, November 2018.
18. Dr.V.Praveen, P.Rajyalakshmi. “A Buck-Boost Converter through an Induction Motor with Diode Clamped Multilevel Inverter for Non Conventional Energy Sources”- **SCOPUS journal IJEE**- Volume 6, Issue 12, December 2018.
19. Dr.V.Praveen, N.Saida Naik “Voltage compensation using PV-DVR with SEPIC converter” - **SCOPUS journal IJTTE**- Volume-8, Issue-5, March 2019.
20. Dr.V.Praveen, S.Naveena “Mitigation of Voltage Mismatches using PSO Based Buck &

Boost Converter for Grid Connected PV Inverter” IJRECE-Volume 7, Issue 1, Jan-March 2019.

21. Dr.V.Praveen, K. Lakshmi Ganesh “A Single Phase Newly Proposing 85 Level Asymmetric Multi-Cell Cascaded Multilevel Inverter with Reduced Number of Switches” IJRECE-Volume 7, Issue 1, Jan-March 2019.
22. Dr.V.Praveen, P.Manoj Kumar “A Microgrid Control For Dc Wind Power Generation Using ANN” IJRECE-Volume 7, Issue 1, Jan-March 2019.
23. Dr.V.Praveen, V. MATTHEW “Intelligent Hybrid Fuzzy Controller Based Zeta Converter for BLDC Motor Drive Water Pumping System Fed from PV” IJMTE-Volume 8, Issue 3, March 2019.
24. Dr.V.Praveen, CH. Rajesh “Super Conducting Magnetic Energy Storage Based Dvr Using Fuzzy-Logic Controller” IJMTE-Volume 8, Issue 3, March 2019.
25. Dr.V.Praveen, K.Reshma “A Fuzzy Based DVR With Parallel-Connected Diode-Clamped Modular Multilevel Converters” JASC- Volume 6, Issue 3, March 2019.
26. Dr.V.Praveen, K. Lakshmi Ganesh “ Power Quality Control of Voltage and Load Sharing In DC Distribution Systems with Three Phase AC Machines” JETIR- Volume 6, Issue 3 , March 2019.
27. Dr.V.Praveen, V.Rajesh “Hybrid Fuzzy Based Unified Power Flow Controller to reduce damping oscillations in Multi-Machine System” Universal Review journal- Volume 8, Issue 3, March 2019.

#### **Conferences, Seminars, Workshops & Guest Lectures Attended**

- ❖ Attended 5 day FDP on “MAGICAL TEACHER” organized by ADVANCED MINDS from November 9<sup>th</sup> to 13<sup>th</sup> 2016.
- ❖ Attended 3 days workshop on “FEVICRYL WORKSHOP” from 21/12/2017 to 23/12/2017 organized by Inner Wheel Club Vijayawada.
- ❖ Organized Expert Lecture on “Simple Yet Powerful Ideas For India’s Power Sector” BY Dr.Hippu Salk Kristle Nathan, Professor, IISc, Bangalore on 08-12-17 in association with IEI Student Chapter of EEE department.
- ❖ Organized Expert Lecture on “Transmission Planning with Renewable” BY Dr.Radha Soorya, Associate Director, Navigant Power Corporations, USA on 28- 12-17 in association with IEI Student Chapter of EEE department.

#### **Events organized/ Conducted**

1. Organized 2 days Faculty Development Programme on “ Power Systems” ,SVECW, 2012.
2. Organized 3 days workshop on “MATLAB”, 2012.
3. Organized 2 days Paper presentation for B.Tech students 2012.
4. Organized 3 days workshop on “ ROBOFEST 2k14, VEC, Kavali, 2014.
5. Organized 5 Days Open model Exhibition “Techno exhibit 2k14”, VEC, Kavali, 2014.
6. Organized 5 Days Open model Exhibition “Techno exhibit 2k15”, VEC, Kavali, 2015.

7. Organized Two day workshop on “*COMPUTER HARDWARE TRAINING*” for II B.Tech EEE from 28-08-2017 to 29-08-2017 in association with IEI Student Chapter of EEE department.
8. Organized Two day workshop on “*COMPUTER HARDWARE TRAINING*” for III B.Tech EEE from 22-08-2017 to 23-08-2017 in association with IEI Student Chapter of EEE department.
9. Organized Five days workshop on “*PCB DESIGNING*” under the guidance of department of ECE from 21-08-2017 to 26-08-2017 in cooperation with EEE department.
10. Organized Expert Lecture on “*Role of DVR’s and Static Exciters in Super Critical Thermal Power Plant*” BY B.RAJU, ADE, AP GENCO on 20-07-17 in association with IEI Student Chapter of EEE department.
11. Organized National Energy Conservation day on 14-12-2017, organized various competitions like Poster presentation, Best Slogan competition, Essay writing competition and also created awareness on importance of Energy Conservation to public by FLASHMOB.
12. Organized Jignasa 2k18-National Level Technical Symposium a one day (10-1- 2018) Technical National Level technical symposium, conducted various competitions like Paper presentation, Poster presentation and Technical Quiz to explore the hidden talents of the students of our and other various colleges.

Dr. V.Praveen

**Signature**