



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA 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

Raghavareddy Street, Kothapeta, Vijayawada-520001.

Andhra Pradesh, India. Phone: 0866 -2423442.

Email: info@pscmr.ac.in; URL: www.pscmr.ac.in

FACULTY PROFILE

NARENDRA KORRAPOLU

S/O K.V.SRIMANNARAYANA

D.NO : 29-1384

KOTHAPET, VINUKONDA-522647

GUNTUR DISTRICT

ANDHRA PRADESH

Mobile: 9492662926

Email: nano.knk@gmail.com



Experience:

Teaching: 8+ years

Industry: 1 year

Career Profile:

Year	Organization	Role
2013-Till date	Potti Sriramulu Chalavadi Mallikharjuna Rao college of Engg. And Tech., Vijayawada	Assistant Professor
2008-2011	Chundi Ranganayakul engineering college, Chilakaluripeta	Assistant Professor
2004-2005	Brown Card company, jeedimetla, Hyderabad	Electrical Supervisor

Qualification:

Degree and Date	Board / University	Date of Completion	% Marks
M.TECH (P & ID)	NEC/JNTUK	2013	81.14
B.TECH -EEE	MRRITS/JNTUH	2008	77.78
DIPLOMA -EEE	ESC GOVT. POLYTECHNIC/SBTET	2003	69.54

INTER-VOCATIONAL-EDAR	GOVT.JUNIOR COLLEGE, VINUKONDA	2001	82.5
SSC	SSC	1999	74.45

Subjects and Labs Handled:

Electrical Machines-I,II,III, Electrical Circuit Analysis-1,Power systems –I, II, Electrical technology, Digital Control Systems, Electrical Machine Designing ,Switch gear and protection .Electrical and Mechanical technology, Switch Gear and protection, Basic Electrical and Electronics Engineering,

Labs: Electrical Machines-I Lab, electrical Machines-II Lab, Electrical circuits Lab, Electrical Simulation Lab, Power Electronics Lab, Electrical and Electronics Engineering lab for Mechanical Engineering.

Certifications:

Certification	Date Certified
Certification on “Courseware, practical training and evaluations for Instructional Excellence in Intelligent Systems” Under Intel College Excellence Program	2014

Affiliation to Professional Bodies:

- Life member of Institute of Research Engineers and Doctors (theIRED) AM10100053733
- Life Member of Indian Society of Systems for Science and Engineering (ISSE) LM03696
- Life Member of the International Association of Engineers (MIAENG) 178595
- Life member of the Indian Society for Technical Education (MISTE- LM126153)
- Member of Teaching and Education Research Association (TERA) with Membership Number: TERA-M19871 on 14th March 2019.
- Member of International Computer science and Engineering Society (MICSES) with Membership Number: Membership ID #3266 on 2019-01-23

Publications

- Paper published on “**POWER FLOW ENHANCEMENT WITH BETTER CONTROL STRATEGY BY DPC AND FUZZY LOGIC ON UPFC** “in IJOER, Vol 1, Issue.2,2013

- Paper published on **“POWER QUALITY IMPROVING BY ENHANCING THE DYNAMIC PERFORMANCE OF DFIG USING SMES WITH ANN CONTROL TECHNIQUE.”** in IJOER, Vol 2, Issue.5,2014
- Paper Published on **“CONTROL STRATEGY OF HYBRID SYSTEM BY USING KALMAN FILTER”** in IJOER, Vol 3, Issue.4,2015
- Paper published on **“MLI WITH REDUCED SWITCHES FOR INDUCTION MOTOR DRIVE APPLICATIONS”** in the International journal of Management Technology and Engineering (IJMTE), Volume-9, Issue-3, March 2019, pp-3262-3270 (Impact Factor – 6.3, UGC APPROVED JOURNAL – S.I.NO- 45550 and An ISO 7021:2008 Certified Journal), (ISSN: 2249-7455) and (DOI:16.10089.IJMTE.2019.V9I3.19.27835)
- Paper published on **“BRIDGELESS SIMO CONVERTER PERFORMANCE EVOLUTION WHILE USING FOR BLDC DRIVE & DC SHUNT MOTOR APPLICATIONS”** in the International Journal of Research (IJR), Volume-8, Issue-3, March 2019, pp-1044-1051 (Impact Factor – 5.7, UGC APPROVED JOURNAL –S.I.NO- 63072 and An ISO 7021:2008 Certified Journal (ISSN: 2236-6124) and Scopus Suggested Journal D:10J6CF07B9446F97.(DOI:16.10089.IJR.2018.V8I3.285311.234940).
- Paper published on **“ A SINGLE PHASE NEWLY PROPOSING 85 LEVEL ASYMMETRIC MULTI-CELL CASCADED MULTILEVEL INVERTER WITH REDUCED NUMBER OF SWITCHES”** in the International Journal of Research in Electronics and Computer Engineering (IJRECE), Volume-7, Issue-1, January-March 2019, pp-1928-1933 and UGC APPROVED JOURNAL.
- Paper published on **“MCHBI BASED HAPF SCHEMES FOR SMART HOUSE APPLICATIONS”** in the journal of Applied Science and Computations (JASC), Volume-6, Issue-3, March 2019, pp-1409-1425 (Impact Factor-5.8, UGC APPROVED JOURNAL - 41238 and an ISO 7021 : 2008 Certified Journal), (ISSN: 1076-5131).
- Paper published on **“COMPARISONS OF HIGH-VOLTAGE GAIN DC-DC CONVERTERS FOR ELECTRIC VEHICLE APPLICATION”** in the journal of Applied Science and Computations (JASC), Volume-6, Issue-3, March 2019, pp-1384-1396 (Impact Factor-5.8, UGC APPROVED JOURNAL - 41238 and an ISO 7021 : 2008 Certified Journal), (ISSN: 1076-5131).
- Paper published on **“ A MICROGRID CONTROL FOR DC WIND POWER GENERATION USING ANN”** in the International Journal of Research in Electronics and Computer Engineering ISSN: 2393-9028 (PRINT) |ISSN: 2348-2281 (ONLINE), IJRECE VOL. 7 ISSUE 1 (JANUARY- MARCH 2019)

Conferences Attended:

- Titled on “**A NEWLY DESIGNED ASYMMETRICAL MULTI-CELL CASCADED MULTILEVEL INVERTER FOR DISTRIBUTED RENEWABLE ENERGY RESOURCES**”^{2nd} *International Conference on Emerging Trends in Engineering, Science and Management (ICETESM – 2018)*, R.G.M College of Engineering and Technology, Kurnool, December 21st & 22nd 2018. This paper published in *International Journal of Recent Technology and Engineering (IJRTE)* Volume - 7, Issue- ICETESM, March 2019, ISSN: 2277-3878, pages-248-255. (IJRTE is Scopus International Journal and Impact factor - 5.11)
- Titled on “**COMPARISON OF SIX PHASE TRANSFORMER SCHEME AND SIX LEG INVERTER FOR SIX PHASE SUPPLY**” in 3rd IEEE- ICEECCOT-2018 conference organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 14th & 15th December -2k18
- Titled on “**HEXA PHASE INVERTER FOR INDUSTRY AND DOMESTIC APPLICATIONS**” in 3rd IEEE- ICEECCOT-2018 conference organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 14th & 15th December -2k18
- Titled on “**ANFIS CONTROLLER BASED INDUCTION GENERATOR TO GENERATE MORE ELECTRIC POWER IN AIRCRAFTS**” in ICET 2K18 conference

Seminars, Workshops & Guest Lectures Attended

- A five day Course on “Integration of Electronically- Coupled Energy Resources and Apparatus in Electrical Power Systems” during 19th - 23rd February, 2018, at Indian Institute of Technology, Bhubaneswar
- A two day National Workshop on “Smart & Green Technologies for Sustainable Energy “ on 19th & 20th December, 2017 at Koneru Lakshmaiah Education Foundation
- A two day National Seminar on “Role of Smart Grids in Smart Cities: Challenges and Solutions” on 15th & 16th September 2017, at DVR & DrHSMIC College of Technology, Kanchikacherla
- Certificate of participation for successfully completing the courseware, practical training and evaluations for “Instructional Excellence in Intelligent Systems” under the Intel R College Excellence Program conducted in PSCMRCET From 12th - 14th February, 2014
- AICTE Sponsored National Seminar on “RECENT TRENDS IN SURFACE SCIENCE AND NANOTECHNOLOGY” – RTSSN 2013 on 29th & 30th November 2013

- Five day Faculty Development Program on “English Communication Skills” during 3-7 June 2013 at PSCMRCET, Vijayawada-1
- “BETTER BY THE DAY” Two day Workshop for Teaching Faculty on “Enhancing personality & soft skills” 27th & 28th March 2013 In association with M.R.PAI FOUNDATION, Mumbai at Kakaraparti Bhavannarayana College, Vijayawada
- Two day Faculty Development Workshop for College Teachers 15th & 16th March 2013 at Kakaraparti Bhavannarayana College, Vijayawada
- AICTE Sponsored National Level Workshop on “RECENT TRENDS IN ELECTRICAL ENGINEERING” During 6th to 10th July,2011 at Paladugu Parvathi Devi College of Engg & Tech.

Events organized/ Conducted:

- Organized as a Department Coordinator for “Jignasa-2k18 (Project Expo)”, PSCMRCET held on 29-12-2018
- Organized as a Department Coordinator for “EXPEDITION (Project Expo on Fundamental Concepts)”, PSCMRCET held on 30-01-2018
- Organized as a Department Coordinator for “Jignasa-2k18”, PSCMRCET held on 10-01-2018
- Organized as a Department Coordinator for “5 Day workshop on PCB Design” with collaboration of IEI Student Chapter, PSCMRCET held on between 11-09-2018 to 15-11-2018
- Organized as a Department Coordinator for “5 Day workshop on PCB Design” with collaboration of IEI Student Chapter, PSCMRCET held on between 21-08-2017 to 26-08-2017
- Organized as a Department Coordinator for “5 Day workshop on PCB Design” with collaboration of IEI Student Chapter, PSCMRCET held on between 25-11-2016 to 30-11-2016
- Organized as a Department Coordinator for “1 Day workshop on Trouble shooting and Servicing of Electrical Drives and Appliances”, PSCMRCET held on 22-01-2015
- Organized as a Department Coordinator for “1 Day workshop on Trouble shooting and Servicing of Electrical Drives and Appliances”, PSCMRCET held on 02-02-2014

Project work done:

Academic:

M.Tech project: Power Flow Enhancement with better control strategy by DPC and FUZZY LOGIC on UPFC.

B.Tech project: An Approach of Reactive power compensation by using STATCOM. at ISRO, 'O' Point, SDSC-SHAR, Andhra Pradesh.

Hobby projects: 1. Gravity based power generation
2. T.Box based power generation
3. Water tap power generation
4. LR & LC Control of Distribution system by using IOT
5. Automation of office appliances by using IOT

Declaration

I hereby declare that all the statements made by me in the resume are true and complete to the best of my knowledge.

Date:

Place: Vijayawada

Signature

(NARENDRA KORRAPOLU)