



DHANEKULAINSTITUTE OFENGINEERING&TECHNOLOGY

(ApprovedbyAICTEAffiliatedtoJNTUKakinada)

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FACULTYPRPOFILE



NameoftheFaculty	Dr. K. VENKATA RAMIREDDY
Designation	Professor
Email&PhoneNo	kvrreddy.ramu@gmail.com &9492373639
Department	ElectricalandElectronicsEngineering.
Educational Background	1. Ph.Dfrom Sri VenkateswaraUniversity(SVU),Tirupati. 2. M.TechFromBharath Institute of Higher Education & Reserach, Chennai. 3. B.TechFromSri Kalahasteswara Institute of Technology, SriKalahasti
ResearchAreas	Power Quality, Power Electronics, FACTs devices, Power systems.
Experience	18Years

Sl.No	Institute	Designation	Period
1	Sri Kalahasteswara Institute of Technology	Asst.Professor	2006-2023
2	Dhanekula Institute of Engineering & Technology	Professor	2023–till date

ListofPublications(NationalandInternationalJournals)

1. **K. Venkata Rami Reddy.**, and T. Gowri Manohar. (2017) , “Modelling and investigation of clean power wind energy systems by using UPQC”, International Journal of Energy Research (John Wiley), vol. 41. no. 3, pp. 429–438, Mar 2017. doi: [10.1002/er.3624](https://doi.org/10.1002/er.3624)
2. **K. Venkat Ram Reddy**, T. Gowri Manohar, Madichetty Sreedhar,” Circulating current mitigating scheme in MMC based HVDC system with H_{∞} repetitive controllers”, International Journal of Electrical Power & Energy Systems (Elsevier), vol. 85, pp. 143-152, February 2017, ISSN 0142-0615, <http://dx.doi.org/10.1016/j.ijepes.2016.08.007>.
3. K. Venkata Rami Reddy., T. Gowri Manohar and B.Chandra Sekhar, “Advance Technology in Application of Four Leg Inverters to UPQC” International Journal of Power Electronics and Drive System (Scopus) Vol. 7, no. 4, pp. 1153 – 1160, Dec 2016, ISSN: 2088-8694, doi. <http://dx.doi.org/10.11591/ijped.v7.i4.pp1153-1160>
4. **K. Venkata Rami Reddy**, T. Gowri Manohar, “A Review and Performance Investigation of NPCC Based UPQC by Using Various Artificial Intelligence Techniques”, Journal of Electrical Systems (Scopus and ISI Thomson Reuters) vol.13, no.1, pp. 195-210, Jan 2017.
5. **K. Venkata RamiReddy**, S.Narendra, R.Sindhuja, “ Power Flow Improvement in Transmission line using UPFC”, International Journal of Advanced Technology and Innovative Research, vol.08, Issue.04, pp. 0693 – 0698, April 2016.

6. V.Ganesh, K.Vasu, K. Venkata Ramireddy, M.Surendranath Reddy, T.Gowri Manohar, “ Improvement of Transient Stability Through SVC”, International Journal of Advances in Engineering & Technology, Vol.5, Issue.1, pp. 56 – 66,Nov 2012.
7. Srinivasan Venkatasubramanian, K Venkata Ramireddy, Rajeswari N, Pankaj Kumar Dubey “Assessment of Performance Degradation Due to Electromagnetic Interference in Network Applications”, Aegaeum Journal, UGC-CARE Approved (Group – II) Multidisciplinary Journal, Volume 12, Issue 02, Feb - 2024

National/International Conferences((National and International):

1. **K. Venkata Rami Reddy**, T. Gowri Manohar and B.Chandra Sekhar, ”Application of 3 Level Dynamic Voltage Restorer to Distributed Energy Resources”, National conference on challenges and issues in operation of competitive electricity markets, conducted on 8th-9th December 2016, CPRI, Bangalore.
2. **K. Venkata Ramireddy**, “ FM ZCS Quasi Resonant Converter fed DC drive”, National Conference on Advances in Electrical Engineering (NCAEE – 2005), held on 16thMarch 2005, Bharath Institute of Higher Education & Research, Chennai.
3. Dr.Dilip Kumar M, Dr.Muni Reddy G, Dr Kumar N M G, Dr Venkata Rami Reddy K and Dr Narasimha Rao S, “**Space Vector Hysteresis Current Controller for STATCOM in Wind Energy System**”, International Conference on Advancements in Sustainable Energy, Materials, and Manufacturing Technology (ICASMMT 2024), held on 13th & 14th September 2024 at MLRIT, Hyderabad.
4. Tummala S L V Ayyarao, L V Suresh Kumar, Dr K Venkata Ramireddy, Bojanki Priyanka and Alfoni Jose Kezhियur “**Accurate Proton Exchange Membrane Fuel Cell modelling using Hiking Optimizer**”, The Second International Conference on Cyber Physical Systems, Power Electronics and Electric Vehicles (ICPEEV2024) held from 26th to 28th September,2024 at Mahindra University, Hyderabad, India

FDP’s & Seminars conducted:

1. A Five day Faculty program on” Designing & Development of Electric Vehicles” from 18-12-2023 to 22-12-2023, at Dhanekula Institute of Engineering & Technology, Vijayawada.
2. A seminar is organized on “Energy Literacy Training” on 08-01-2024, at Dhanekula Institute of Engineering & Technology, Vijayawada.

Nano degree:

1. I has completed the 9 month EV Nanodegree program in July – 2024 from “DIY guru, Delhi.

Reviewer and Session Chair:

1. I was acted as reviewer for international conference on “ Social and Sustainable Innovations in Technology and Engineering –SASI- ITE’24”, organized by the Sasi Institute of Technology & Engineering, Tadepalligudem, Andhra Pradesh, India.
2. I was acted as reviewer for 2nd international conference on “ Intelligent Systems & Sustainable Computing (ICISSC-2022) organized by MallaReddy University, Telangana, India.
3. I has contributed as session chair in IEEE IES Technically Co-Sponsored,” The Second International Conference on Cyber Physical Systems, Power Electronics and Electric Vehicles (ICPEEV2024)” held from 26th to 28th September,2024 at Mahindra University, Hyderabad, India.

REFRESHER COURSE ATTENDED:

1. I was participated in a **Three-week** UGC sponsored Refresher course on “Linear and Discrete Systems Analysis” during 10th to 29th December 2007, organized by Dept. of Electrical & Electronics Engineering, JNTU, Hyderabad.

FDPs &WORKSHOPS ATTENDED:

1. I have participated in a **two week ISTE** workshop on “Basic Electronics“, Conducted by Indian Institute of Technology Bombay, at S.V.University college of engineering,Tirupati from 25th June to 8th July-2011.
2. I have participated **two day** DST – ICPS Sponsored National Level workshop on “ Multi Agent System and Its Application in Cyber Physical Micro - Grid “, at Annamacharya Institute of Technology & Science, Rajampet, on 03rd& 04th August-2019.
3. I have participated **one day** workshop on “ Awareness on power systems Simulation Analysis using Mi PowerTM Software”, at JNTUA, Ananthapuramu, on 22nd September 2015.
4. I have participated **two day** workshop on “Advances in power system”, at SVU College of Engineering, Tirupati, on 5th-6th July 2013.
5. I have participated **two days National IETE Workshop**, at SKIT, Srikalahasti, on 11th-12th October 2012.
6. I has participated **two day** national level workshop on “Thrust areas in power systems”, at JNTUA College of Engineering, Pulivendula, on 18th& 19th November 2011.
7. I has participated **two days** workshop on “Faculty Development Program & ISTE – A.P Section Convention”, at SKIT, Srikalahasti, on 11th-12th December 2008.
8. I has participated **Six day online Faculty Development Programme** on “Teaching and Learning of Advance Control Systems”, at NIT, Warangal, from 10th-16th August 2020.

9. I has participated **two day**workshop on “Awareness on Indian Electricity Act”, at JNTUA College of Engineering, Anantapur, on 12th - 13thSeptember 2008.
10. I had participated in national seminar on “Recent Trends in Information and Communication Technology”, at Krishna University, Machilipatnam, on 7th- 8thJanuary 2012.
11. I has participated **Four weeks NPTEL - AICTE online Faculty Development Programme** on “Electrical Vehicles part - 1”, February - March 2022.
12. I has successfully completed 30 days internship on **Electric Vehicle Design** at Pantech E learning Pvt. Ltd, Chennai, from 02-02-2022 to 03-03-2022.
13. I has attended a one- week online FDP on ”**Innovative Teaching Methodology – A Creative Pedagogy**”, at D Y Patil College of Engineering, Akurdi from 31 July 2023 to 04 August 2023.
14. I has participated **in the Six day Workshop on “Art of Real time Data Acquisition for Electrical and Electronics Engineering” at SRMIST**, Kattankulathur, from 7th Aug 2023 to 12th Aug 2023.
15. I has participated in three day online “**Drone Boot Camp**”, at Dhanekula Institute of Engineering & Technology, Ganguru, Vijayawada, from 26-10-2023 to 28-10-2023.
16. I has Successfully completed FDP on “**Intellectual Property Right & Patent Drafting**”, at AMET University, Chennai, from 04th January 2024 to 12th January 2024.
17. I has participated in one- week online FDP on “**New Trends in Power Electronics for Microgrids and Electric Vechicles(NTPEMEV-2024)**”, at Lendi Institute of Engineering & Technology, Vizianagaram, A.P.
18. I has attended a one- day workshop on “**Lab view Programming & Data control**”, at Mahendra University, Telangana, on 17-02-2024.
19. I has participated in One week Online Skill development Program(SDP) on “Internet of Things in Smart Spaces (IoTSS-2024)” held from 26-02-2024 to 02-03-2024 organized by department of EEE, CVR College of Engineering, Ibrahimpatnam(M), R.R.(Dt), Telangana.
20. I has successfully completed the five day Faculty Development Programme on “Advancement in Electrical and Electronics Sciences – yesterday, Today and Tomorrow”, conducted during 26th - 30th March.204 by the department of EEE, SVCET(A), Chittoor. A.P.
21. I has attended the Six days Faculty Development Programme on “Practicing Innovatory Methodologies in Emerging trends” (PRIMET-2024) held from 25-03-2024 to 30-03-2024 organized by center of research and development , Dhanlakshmi college of Engineering, Tambaram, Chennai, T.N.
22. I has successfully completed the **Eight weeks NPTEL - AICTE online Faculty Development Programme** on “Energy Resources, Economics, and Sustainability”, February - April 2024.
23. I has successfully completed the **Four weeks NPTEL - AICTE online Faculty Development Programme** on “**Python for Data Science**”, July- Aug 2024.

24. I has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on” **Future trends in Energy Management for Smart Cities**”, at Lendi Institute of Engineering & Technology, Vizianagaram, A.P from 19-08-2024 to 24-08-2024.
25. I has participated in 5 Days – Online Faculty Development Program on “ **Artificial Intelligence’s impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical fields**” held from 29th August to 3rd September 2024 organised by Dhaanish Ahmed College of Engineering, Chennai.

Dr K Venkata RamiReddy