

Name of Faculty Dr..Ch. Venkata Krishna Reddy  
 Designation Asst. Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 01-11-2002  
 E-mail Chkrishnareddy\_eee@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy	---
PG	M. E	First
UG	B.E	Second

### Work Experience

Teaching 21 Years  
 Research 11 years  
 Industry --  
 Others --  
 Area of Specialization Power Systems, Flexible AC Transmission Systems, Renewable energy systems

Professional Memberships  
 IEI (M-1704715)  
 ISTE (LM131793)  
 InSc (20203043)

Responsibilities held at Institution Level  
 Member, Students Affairs committee, from 2021  
 Member, Disciplinary committee, from 2012 to 2018

1. Member, BOS, since 19.09.2013
2. In-Charge, Time Tables, from 01-06-2003 to 01-05-2005 & 2016 to 2018
3. Coordinator, NBA, from 2012 to 2014 & 2015 to 2017
4. In-charge, AEC works , from 2016 to 2019
5. In-charge, Maintenance, 2016 to 2019
6. In-Charge, Industrial Visit, s from 2009 to 2012
7. Coordinator, TEQIP-EEE, from 18-02-2013 to 14-11-2016
8. In-charge, Newsletter, from 11.01.2013 to 14-11-2016
9. In-charge, Website, from 11-01-2013 to 14-11-2016
10. Working as member, BOS, from 19.09.2013
11. Coordinator, CCC(JNTUH), from 2003 to 2009
12. Coordinator, ISO, from 2005 to 2007

Responsibilities held at Department Level

Research Guidance --

- Awards Received
1. Best paper award in the category of models and algorithms, 2<sup>nd</sup> international conference on Data science and Applications, 10-12 April 202, India.
  2. Best teacher award 2020, Institute of scholar, 2020, India.

Courses Handled at Under Graduate / Post Graduate Level.  
 Electrical Machines-1, Digital Electronics and Logic Design , Linear Integrated Circuits, Utilization, Flexible AC transmission Systems, AI Techniques to Power Systems, Power Semiconductor Devices and Circuits, Power Quality, Basic electrical Engineering, Renewable energy Sources.

No. of Papers Published  
 National Journals – -- International Journals – 17  
 National Conference – 04 International Conference – 06

Projects Carried out --

Patents 2

Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	--

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (Attended and/or Organized).

1. one week AICTE – STTP (Series-III) sponsored online Faculty Development Program on “Design and technology aspects of off grid and grid connected roof top solar and Bio-energy (operation and maintenance)” Organized by Dept of EEE, St.Peters Engineering College, Hyderabad, during 15-04-2021 to 21-04- 2021.
2. one week AICTE- STTP sponsored online Faculty Development Program on “Recent Trends in Renewable Energy Sources and their Integration to Smart Grid” Organized by Dept of EEE, St.Peters Engineering College, Hyderabad, during 30-11-2020 to 05-12-2020.
3. one week AICTE- STTP (SERIES-IV) sponsored online Faculty Development Program on “Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy” Organized by Dept. of EEE , KPRIET, Coimbatore, during 24- 08-2020 To 29-08-2020.
4. one week AICTE- STTP (SERIES-III) sponsored online Faculty Development Program on “Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy” Organized by Dept. of EEE , KPRIET, Coimbatore, during 17-08-2020 To 22-08-2020.
5. one week AICTE- STTP (SERIES-II) sponsored online Faculty Development Program on “Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy” Organized by Dept. of EEE , KPRIET, Coimbatore, during 03- 08-2020 to 08-08-2020
6. One week UGC-HRDC sponsored STC on "Soft Computing Techniques - Renewable and Electrical Systems" at JNTU, Hyderabad during 01-06-2020 to 06-06-2020
7. One week FDP on outcome based education and NBA accreditation process-UG at CBIT, Hyderabad, during 28-05-2020 to 01-06-2020.
8. one week UGC sponsored Online Faculty Development Program on “Promoting Quality Culture in Technical Institutions” Organized by Internal Quality Assurance Cell-AISSMS College of Engineering Under ‘UGC Paramarsh Scheme during 25th to 29th May 2020
9. one week AICTE sponsored online Faculty Development Program on “Outcome Based Education : A Step Towards Excellence” by GCE, Karad, under Margdarshan Scheme of AICTE, during 11-15 May 2020
10. One week AICTE sponsored Online FDP on "Internet of Things(IoT)"at NITTTTR, Chandigarh, during 20-04-2020 to 24-04-2020

Details of Journal Publications/ Conferences (National and International)

**1. International Journals:**

1. BalasubbareddyMallala, Venkata Prasad Papan, RavindraSangu , KowsthubhaPalle and Venkata Krishna Reddy Chinthalacheruvu, “ Multi-Objective Optimal Power Flow Solution Using a Non- Dominated Sorting Hybrid Fruit Fly-Based Artificial Bee Colony”, energies, Vol.15, No.11, 2022, ISSN: 1996-1073.
2. T.R.Vijaya Lakshmi, Ch.Venkata Krishna Reddy, K. Padmavathi, K. Swaraja, K. Meenakshi, “Entropy based single image dehazing with refined transmission using holistic edges”, Multimedia Tools and Applications, Vol.81, 2022, pp: 20229–20253, ISSN:1380-7501.
3. Ch.Venkata Krishna Reddy, T.R.Vijaya Lakshmi, “ Modelling of Patterns with Spectral Data and Time-Varying PSO to Identify Concealed Character Strokes of Historical Manuscripts”, Lecture Notes in Networks and Systems, Vol. 287, 2022, pp: 471-482, ISSN:1380-7501.
4. Ch.Venkata Krishna Reddy, T.R.Vijaya Lakshmi, Prashant Kumar, “Acoustic Emotion Recognition using Spectral features”,Advances in Intelligent Systems and Computing, ISSN: 2194-5357,2021.
5. Ch.Venkata Krishna Reddy, T.R.Vijaya Lakshmi, P.Venkata Prasad and M.Thirupathaiiah, “Performance Evaluation of Modified SEPIC converter for Renewable Applications”, Proteus Journal, Vol.12, No.4, 2021, pp: 54-61, ISSN: 0889-6348.
6. Ch.Venkata Krishna Reddy, T.R.Vijaya Lakshmi, “Historical Text Retrieval with Spectral Data and adaptive variants of Bacterial Foraging”, Materials Today Proceedings, ISSN: 2214-7853,2020.
7. Ch.Venkata Krishna Reddy, T.R.Vijaya Lakshmi, “GSM based Prepaid Electricity Energy Meter”,

Sustainable Humanosphere, Vol.16, No.2, 2020, pp:509-515, ISSN: 1880-6503.

8. T.R.Vijaya Lakshmi, Ch.V.KrishnaReddy, "Object Classification Using SIFT Algorithm and Transformation Techniques", Advances in Intelligent Systems and Computing, vol.768,2019, pp:403- 408, ISSN:2194-5357.

9. Ch. Venkata Krishna Reddy , K. Krishna Veni1 and G. Tulasi Ram Das, "ANN Controller for Damping of Oscillations using Interline Power Flow Controller of AC Transmission System", International Journal of Engineering and Advanced Technology (IJEAT),Volume-8 Issue-6, August 2019, pp:54-58, ISSN: 2249 – 8958.

10. Ch. Venkata Krishna Reddy , K. Krishna Veni1 and G. Tulasi Ram Das, "Fuzzy logic controller for damping of low frequency oscillations using interline power flow controller of AC transmission system", Journal of Advanced Research in Dynamical and Control Systems, Volume 11, Number 2 (2019), pp. 2166-2172, ISSN: 0973-4562.

11. Ch. Venkata Krishna Reddy , K. Krishna Veni1 and G. Tulasi Ram Das, "Analysis of AC transmission system using interline power flow controller for damping of low frequency oscillations with PI controller", ARPN Journal of Engineering and Applied Sciences, Vol. 13, No. 6, March 2018, pp:2166- 2172, ,ISSN: 1819-6608.

12. Ch. V. Krishna Reddy, "The Efficiency and Steady State, Transient Analysis of the Buck Converter", International Journal of Innovative and Emerging Research in Engineering (JIJERE), Vol. 4, Issue 1, pp. 48-60, 2017, ISSN 2394-3343(O), ISSN 2394-5494(P)

13. V. Harsha Vardhan Reddy, Ch. Venkata Krishna Reddy, Application of Fuzzy Based Multifunctional DSTATCOM Operating Under Stiff Source", International journal of scientific Engineering and Technology Research, Vol.06, Issue.19 May-2017, ISSN 2319-8885 Pages: 3797-3802.

14. LaxmiNiveditha, Krishna Reddy Ch.V and Venkata Prasad P,"Enhancement of ATC Using Series Compensation In Restructured Power System",The Journal of CPRI, Vol.12, No.4, 2016, pp: 671- 676,ISSN: 0973-0338.

15. Ch. Venkata Krishna Reddy, B. Suresh Kumar and D.Ashok Kumar, "Comparative analysis of interline power flow controller with PI & fuzzy logic controller", International Journal of Electrical and Electronics Engineers, Vol.8, No.2, 2016, pp: 475-489, ISSN: 1992-8645.

16. Ch. Venkata Krishna Reddy, K. Krishna Veni, G. Tulasi Ram Das and Siraj, " Small Signal Analysis of Flexible AC Transmission System using Interline Power Flow Controller", Journal of Theoretical and Applied Information Technology, Vol.47, No.2, 2013, pp: 840-851,ISSN: 1992-8645.

17. Ch.Venkata Krishna Reddy, K.KrishnaVeni, G.Tulasi Ram Das and Sampathpulla, " Performance Analysis of D-STATCOM compensator using control techniques for load compensation", International journal of Advanced Scientific and Technical Research,Vol.2, No.1, 2011, pp:21-33,ISSN:2249-9954.

## **2. International Conference:**

1. P. Venkata Prasad and Ch.Venkata Krishna Reddy, " Combined Optimization in Radial Distribution System using CPSO", ACCES-2022, CITY University, Malesia, 6th - 7th May 2022.

2. Ch. V. Krishna Reddy, M.Balasubba Reddy, " Simulation of Power Quality Conditioner with Fuzzy Logic Controller, ICACCES 2022, VVIT, Andhra Pradesh, India, March 4 th and 5 th 2022

3. P. Venkata Prasad and Ch.Venkata Krishna Reddy, " Service Restoration in Radial Distribution Systems using Network Reconfiguration", ICETEECT'21, KarpagaVinayaga College of Engineering and Technology, Tamilnadu, India, 30th June 2021.

4. T R Vijaya Lakshmi, Y Rakesh Kumar, Ch.V.Krishna Reddy, L Pratap Reddy, "Dehaze model to improve Object Visibility under atmospheric degradation", IEEE International Conference on Intelligent Sustainable Systems, SCAD Institute Of Technology, Tamilnadu, India, 3-4 Dec 2020, pp: 219-223.

5. Ch. V. Krishna Reddy, K. Krishna Veni, G. Tulasi Ram Das, P.V. Balasubramanyam, " Transient stability analysis using interline power flow controller with PSO based PI controller", Recent Trends in Engineering, Science & Technology( ICRTEST), St. Peter's Engineering College, Hyderabad, India, 25-27 Oct 2016.

6. P.V.Prasad, B.Sureshkumar, Ch.V.Krishna Reddy, " A Method for Capacitor Placement in Radial Distribution System", International conference on System Dynamics and Control (ICSDC-10), MIT, Manipal, Karnataka, India, 19-22 August 2010.

## **National Conferences:**

1. Ch. Venkata Krishna Reddy, M.LakshmiSwarupa, "DSTATCOM with different multilevel inverter topologies and different transformer connections to compensate neutral currents and PQ problems", eco-friendly innovations and design challenges in electrical Engineering (EFIDC-2019), CVR college of engineering, Telangana, India, 8-9 ,Nov 2019.

2. Ch. Venkata Krishna Reddy, "Enhancement of ATC using series compensation in restructured power system", RTPSD-2016, CBIT, Telangana, India, 28-29, Oct 2016.

3. Ch. Venkata Krishna Reddy, "Implementation of PI and Fuzzy based multifunctional DSTATCOM

operating under stiff source”, RTPSD-2016, CBIT, Telangana, India, 28-29, Oct 2016.

4. Ch. Venkata Krishna Reddy, “ Z-source Inverter based permanent Magnet BLDC Motor using SVPWM Technique”, Recent trends in power systems and drives -2013, CBIT, Telangana, India, 24th -25<sup>th</sup> Jan 2013.

