

## **BIODATA**

**Dr. K. JITHENDRA GOWD**

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Anantapur-515001  
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### **EXPERIENCE:**

<b>Designation</b>	<b>Organization</b>	<b>From</b>	<b>To</b>
Associate Professor (AGP 9000)	JNTUA College of Engineering Anantapur	03-02-2023	Till Date
Assistant Professor (AGP 8000)	JNTUA College of Engineering Anantapur	03-02-2020	03-02-2023
Assistant Professor (AGP 7000)	JNTUA College of Engineering Anantapur	03-02-2015	03-02-2020
Assistant Professor (AGP 6000)	JNTUA College of Engineering Anantapur	03-02-2011	03-02-2015
Lecturer	JNTU College of Engineering, Anantapur	June, 2002	02-02-2011

### **ACADEMIC RECORD:**

<b>Degree of Certificate</b>	<b>Issuing Board</b>	<b>Year of Pass</b>	<b>Grade</b>
Ph. D (EEE)	Jawaharlal Nehru Technological University, Kakinada	Dec 2014	-
M. Tech ( HVE)	Jawaharlal Nehru Technological University, Hyderabad	Dec 2006	75%
B.Tech (EEE)	Jawaharlal Nehru Technological University, Hyderabad	2002	67.4%
Intermediate Education	Board of Intermediate Education, Andhra Pradesh	1997	68.7%

Secondary School Certificate	Board of Secondary Education, Andhra Pradesh	1995	75.4%
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**SOFTWARE SKILLS:**

Operating Systems : Windows XP, MS DOS  
 Languages : C, C++  
 Assembly Languages : 8085,8086 and MASM  
 Packages : MATLAB, SIMULINK, PSPICE, MIPOWER,  
 PSIM, AUTOCAD

**AREAS OF INTEREST:**

Electrical Distribution Systems, Electrical Machines, Instrumentation, HVDC Transmission, High Voltage Engineering, Distributed Generation, Renewable Energy Sources.

**SUBJECTS TAUGHT:**

Electrical Distribution Systems, Electrical Machines-I, Electrical Machines- II, Instrumentation,HVDC Transmission, Electrical Circuits, High Voltage Engineering, Electrical Technology, Electrical Measurements, Computer Programming and Numerical Methods, Transmission of Electric Power, Power System Analysis, FACTS Controllers, Utilization of Electric Power, Special Machines, Reactive Power Compensation and Management, etc

**B.TECH PROJECTS GUIDED - 20**

**M.TECH PROJECTS GUIDED -75**

**WORKSHOPS /TRAINING PROGRAMMES/ ATTENDED: 85**

**PROGRAMS ORGANIZED: 25**

**NPTEL – FACULTY DEVELOPMENT PROGRAMMES**

<b>S.No</b>	<b>Timeline</b>	<b>Course Name</b>
1	Aug-Sep 2018	ElectricalDistributionSystemAnalysis
2	Aug-Sep 2018	Recent Advances in Transmission Insulators
3	Jan-Mar 2019	Advances in UHV Transmission and Distribution
4	Jan-Apr 2019	Power System Dynamics, Control and Monitoring
5	Jan-Apr 2019	Non-Conventional Energy Resources
6	Jul-Sep 2019	DC Microgrid
7	Jul-Sep 2019	Introduction to Smart Grid
8	Sep-Dec 2019	Refresher Course on Teacher and Teaching in Higher Education (ARPIT Course)
9	July – Dec 2020	DC Microgrid and Control System
10	Jan-Apr 2024	NBA Accreditation and Teaching-Learning in Engineering (NATE)
11	Jan-Apr 2024	Smart Grid: Basics to Advanced Technologies

**PROFESSIONAL BODIES**

<b>Professional Body</b>	<b>Type of Membership</b>	<b>ID Number</b>
Institute of Engineers (IE)	Life Member	M 1532507
Indian Society of Technical Education (ISTE)	Life Member	LM 111211
Institute of Electrical and Electronics Engineers (IEEE)	Senior Member	91243098
International Association of Engineers (IAENG)	Member	176161
Solar Energy Society of India (SESI)	Life Member	LM/2217/2016
Institute of Scholars (InSc)	Senior Member	InSc 20213B54

### **ADMINISTRATIVE RESPONSIBILITIES:**

- Deputy Warden for Amaravathi Hostel, JNTUACEA from March, 2011 to August, 2013.
- Deputy Warden for Lepakshi Hostel, JNTUACEA from August, 2013 to July, 2015
- Officer Incharge of Academic Section, JNTUACEA from 19-03-2015 to 14-07-2017
- Chairman, Board of Studies (BOS), Dept. of Electrical & Electronics Engineering, JNTUA College of Engineering, Anantapur during 2017-19
- NSS Programme Officer for Unit I, JNTUACEA from June 2017 to June 2023
- TEQIP Nodal Officer (Finance), TEQIP III Programme, (2017-2020) JNTUACEA
- Deputy Warden for Ellora Hostel, JNTUACEA from August 2018 to June 2023
- Coordinator, Equity Action Plan
- Department Coordinator, NBA Committee, JNTUACEA
- Department Coordinator, NAAC Committee, JNTUACEA
- IEEE Students Branch Counselor. JNTUACEA from 22-12-2018 to 30-06-2023
- Officer In charge of Electrical Maintenance, JNTUACEA from November 2020 to January 2022
- Officer Incharge of Academic Section, JNTUACEA from November 2021 to February 2022
- Additional Controller of Examinations, JNTUA from February 2022 to June 2023
- Officer In charge of Hostels, JNTUACEK from August 2023 to September 2023

- Head of the Department, Department of EEE, JNTUACEK from July 2023 to June 2024.
- Chairman, Board of Studies (BOS), Dept. of Electrical & Electronics Engineering, JNTUA College of Engineering, Kalikiri 2023-24.
- Officer In charge of Hostels, JNTUACEA since August 2024

#### **ADDITIONAL DUTIES:**

- Local Committee Member, IEI Ananthapuramu local center from 2019-2023
- Faculty Advisor, ROTORACT, JNTUA CEA
- Committee member in Electrical Engineering Division of IEI Andhra Pradesh Centre for the period 2024-26

#### **OTHERS:**

- Acted as judge for various technical symposiums conducted at various colleges.
- Acted as a jury member for a topic “Transportation and Communication” in state level Science and Environment Exhibitions for children conducted from 6<sup>th</sup> to 9<sup>th</sup> December, 2012.
- Governing Body Member, Annamacharya Institute of Technology & Sciences, Tiruapati
- Reviewer of Journal of Ambient Intelligence and Humanized Computing.
- **Awarded State Level Best NSS Programme Officer for the year 2019-20**
- **Awarded National Award for the NSS Programme Officer for the year 2020-21**
- Governing Body Member, Krishna Teja Pharmacy College, Tiruapati
- Member of Board of studies, SVP CET, Puttur

**FOREIGN VISITS:**

Presented a paper titled “**Voltage Profile Enhancement in the Unbalanced Distribution Systems during Fault Conditions**” in the “**International Conference on Electrical Engineering (ICEE-2015)**” held on February 12-13, 2015 in Kuala Lumpur. **Malaysia.**

**List of Publications:**

International Journals	50
National Journals	1
International Conferences	13
National Conferences	3

**International Journals**

1. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, “Impact of Distributed Generators on Power loss in Distribution systems”, International Journal of “Journal of Applied and Engineering Sciences” pp 31-37, January 2008.
2. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, “Impact of Multiple DGs on unbalanced radial distribution systems”, “International Journal of Engineering Research and Applications (IJERA), Vol. 2, Issue 2, Mar-Apr 2012, pp.079-086 79, ISSN: 2248-9622
3. S. Anil Kumar, K. Jithendra Gowd, “Power Loss Reduction in Radial Distribution System by using Plant Growth Simulation Algorithm”, “Innovative Systems Design and Engineering”. Vol.3, No.1,pp.14-24,2012
4. P. Tejaswi, K.Jithendra Gowd, Ch. Sai Babu, “Fault analysis with Hybrid Compensation Approach in Unbalanced Radial Distribution systems”, “International Journal of advanced and innovative Research (IJAIR), Vol. 1, Issue 3, August 2012, pp.217-224, ISSN: 2278-7844, 2012

5. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, "Load flow solution for unbalanced radial distribution systems", "International Journal of Electrical and Electronics Engineering Research (IJEER)", Vol.2, Issue 3, Sep 2012, pp.37-55, ISSN: 2250-155X
6. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, "Reliability Analysis of the unbalanced radial distribution systems considering Distributed Generators", "International Journal of Recent Technology and Engineering (IJRTE)", Vol.3, Issue 4, Sep 2014, pp.72-76, ISSN: 2277-3878
7. R Praveen, K. Jithendra Gowd, "An adjustable PI control technique for a wind energy conversion system based on a PWM-CSC and PMSG", "International Research Journal of Engineering and Technology (IRJET)", Vol.2, Issue 6, Sep 2015, pp.736-743, ISSN: 2395-0072.**(UGC JOURNAL)**
8. G. Naguraiah, K. Jithendra Gowd, "Power Flow method for loss Allocation in Radial Distribution Networks with DGs" "International Research Journal of Engineering and Technology (IRJET)", Vol.2, Issue 6, Sep 2015, pp.776-781, ISSN: 2395-0072.**(UGC JOURNAL)**
9. B. Damodar, K. Jithendra Gowd, T. Anwar, "Mitigation of large voltage variation on the feeder of a PV Grid Systems to increase PV Penetration level", "International Journal of Innovative Technologies", Vol.3, Issue 10, Nov 2015, pp 1969-1975.
10. T. Vamsee Krishna, K. Jithendra Gowd, "Design of a Fuzzy Logic Controlled DVR to prevent saturation from series Transformers" "International Research Journal of Engineering and Technology (IRJET)", Vol.2, Issue 8, Nov 2015, pp.47-54, ISSN: 2395-0072**(UGC JOURNAL)**
11. G. Hari Prasad, K. Jithendra Gowd, "Fuzzy based smart load primary frequency control contribution using Reactive Compensation", "Journal of Emerging Technologies and Innovative

Research”, Vol.4, Issue 9 September 2017, pp: 103-108, ISSN : 2349-5162.**(UGC JOURNAL-63975)**

12. B. Venkata Siva, K. Jithendra Gowd, “Improvement of Power Quality with Fuzzy Logic Controller Using DSTATCOM Supported Induction Generator”, “Journal of Emerging Technologies and Innovative Research”, Vol.4, Issue 9 September 2017, pp: 103-108, ISSN : 2349-5162.**(UGC JOURNAL-63975)**
13. M Parthasarathi, K. Jithendra Gowd, “Power Smoothing of Grid Interfaced DFIG Based Variable Speed Wind Energy Conversion System”, “Journal of Emerging Technologies and Innovative Research”, Vol.4, Issue 9 September 2017, pp: 103-108, ISSN: 2349-5162.**(UGC JOURNAL-63975)**
14. Sarath Chandra Burugala, Dr. K. Jithendra Gowd, “Implementation of Maximum Power Point Tracking Algorithms for Photovoltaic Systems”, “International Journal of Scientific Research in Science and Technology”, Vol.3, Issue 7, Sep-Oct 2017, pp: 165-171, ISSN : 2395-6011. **(UGC JOURNAL-64011)**
15. N. Gurumohan Reddy, Dr. K. Jithendra Gowd, “Mitigation of Harmonic Current Using Active Filter with Fuzzy Control in Distribution System”, “International Journal of Scientific Research in Science and Technology”, Vol.3, Issue 7, Sep-Oct 2017, pp: 223-231, ISSN : 2395-6011.**(UGC JOURNAL-64011)**
16. P. Vinay Kumar, K. Jithendra Gowd, “Dynamic Droop Load Sharing Scheme and its Stability Analysis in Islanded Microgrids”, “International Journal of Scientific Research in Computer Science, Engineering and Information Technology”, Vol.2, Issue 5, Oct 2017, pp: 270-281, ISSN : 2456-3307**(UGC JOURNAL-64718)**
17. Geddam Yugandhar, K. Jithendra Gowd, “VSC HVDC Implementation using Hybrid Simulation Model”, “International Journal of Scientific Research in Science, Engineering and



Technology”, Vol.3, Issue 6, Oct 2017, pp: 759-766, ISSN : 2395-1990. **(UGC JOURNAL-47147)**

18. E. Sasi Kumar Naik, K. Jithendra Gowd, “Enhancement of Power Quality of PMSG Based DG SET using Fuzzy Logic Controller”, “International Journal of Scientific Research in Science and Technology”, Vol.3, Issue 7 Oct 2017, pp: 459-503, ISSN : 2395-6011.**(UGC JOURNAL-64011)**
19. B. Rajesh, K. Jithendra Gowd, “Improvement of Transient stability of DFIG based wind generator by Resistive type solid state fault current limiter using Fuzzy Logic Controller”, “International Journal of Scientific Research in Science, and Technology”, Vol.3, Issue 7 Oct 2017, pp: 434-441, ISSN: 2395-6011. **(UGC JOURNAL-64011)**
20. K. Jithendra Gowd, K. Pavani, K. Nagabhushanam, “Implementation of two stage isolated multilevel inverter control strategy using Fuzzy Logic Controller for photovoltaic applications.”, “International Journal of Engineering and Technology”, 7 (4.18), 2018, pp: 442-448 **(SCOPUS JOURNAL)**
21. K. Jithendra Gowd, B. Poornima, K. Nagabhushanam, “Automatic centralized Micro Grid controller with the algorithm of Incremental conductance”, “International Journal of Engineering and Technology”, 7 (4.18), 2018, pp: 449-454.**(SCOPUS JOURNAL)**
22. D. Dharani Lakshmi, K. Jithendra Gowd, “Review On Power Management Analysis of the Hybrid Grid Integrated System”, Journal of Emerging Technologies and Innovative Research (JETIR) April 2019, Volume 6, Issue 4 pp 151-156 ISSN-2349-5162.
23. Shaik Ayesha, K. Jithendra Gowd, D. Dharani Lakshmi, “Microgrid Stability Enhancement by using Coordination of SFCL, SMES and Distributed Generation Units with Fuzzy Logic Controller”, International Journal of Recent Technology and

Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019, pp: 5548-5554(**SCOPUS JOURNAL**)

24. K. Sharmila Gowd, K. Jithendra Gowd, D. Dharani Lakshmi, "Improvement of Power Quality in Multi-Terminal Hybrid Ac/Dc Microgrid by using Fuzzy Logic Controller", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019, pp: 5548-5554(**SCOPUS JOURNAL**)
25. D. Dharani Lakshmi, K. Jithendra Gowd, "Design and Implementation of High Performance AC-DC Converter", Journal of Mechanics of Continua and Mathematical Sciences, Vol.-14, No.-6, November - December (2019), pp 735-746 ISSN (Print) 0973-8975.(**ESCI JOURNAL**)
26. P. Reddi Rani, K. Jithendra Gowd, D. Dharani Lakshmi, "High Voltage Gain Interleaved Boost Converter With ANFIS Based MPPT Controller For Fuel Cell Based Applications", Journal of Mechanics of Continua And Mathematical Sciences, Special Issue, No.-5, January (2020), pp 95-108, ISSN (Print) 0973-8975.(**ESCI JOURNAL**)
27. S. Padma Sharon, K. Jithendra Gowd, M. Srinivasa rao, "Hybrid Controller in Immune Feedback Control Algorithm for Distribution Static Compensator", International Journal of Soft Computing and Engineering (IJSCE), Volume-9 Issue-5, January 2020, pp 17-23. ISSN: 2231-2307. (**UGC JOURNAL**)
28. M. AnkaRao, A. Nanditha Renu, K. Jithendra Gowd, "A Decoupling Estimation Scheme for Rotor Resistance and Mutual Inductance in Indirect Vector Controlled Induction Motor Drives by Using PI And ANFIS Controller", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 10, Issue 3, June 2020, 6633-6644ISSN (P): 2249-6890; ISSN (E): 2249-8001. (**SCOPUS JOURNAL**)

29. Kotla Harini, Dr. K.Jithendra Gowd, "An Enhancement in Voltage Profile Of PV Systems Distribution Network With Communication Delays", The International journal of analytical and experimental modal analysis, Volume XIII, Issue III, March 2021, ISSN NO:0886-9367, pp 1550-1559.
30. Gandham Kenvil kumar, Dr. K. Jithendra Gowd, "Integration Of Microgrid With Utility Grid Using ANFIS Controlled Converter", The International journal of analytical and experimental modal analysis, Volume XIII, Issue III, March 2021, ISSN NO:0886-9367, pp 1526-1531.
31. Chakka Jashmitha, Dr. K. Jithendra Gowd, "An ANN Based Frequency Response of VSWT with Distinct Control Strategies", Journal of Shanghai Jiaotong University, Volume 17, Issue 4, April – 2021, ISSN: 1007-1172 pp 1-12.
32. Mummididi Niveditha, Dr. K.Jithendra Gowd, "ANFIS Based PMSG-Wind Turbine for Providing Frequency Regulation Services", PENSEE International Journal, Volume 51, Issue 3, 2021, ISSN: 0031-4773 pp 1757-1768.
33. Chilla Nirmala, Dr .K. Jithendra Gowd, "ANFIS Based SVC for Wind-Integrated Power System to Improve Power Quality Issues", PENSEE International Journal, Volume 51, Issue 3, 2021, ISSN: 0031-4773 pp 1769-1783.
34. D. Dharani Lakshmi, K. Jithendra Gowd, "A comparison of Converter of Converter Topologies for A Grid Connected PV System", International Journal of Recent Scientific Research Vol. 12, Issue, 09 (C), pp. 43121-43126, September, 2021.ISSN: 0976-3031
35. D. Dharani Lakshmi, K. Jithendra Gowd, "A Optimized FLC Of 3-Level Modular Multilevel Converter Of PV With Dynamic Response Along Comparison With Incremental Conductance", Vidyabharati International Interdisciplinary Research Journal (Special Issue) pp 1- 7

36. Ramavath Sai Kiran Naik, Dr. K. Jithendra Gowd, "Power Quality Improvement using Reduced Rating - DVR in Distribution Power System", Design Engineering Year 2021 Issue: 9 Pages: 17480 – 17494 ISSN: 0011-9342
37. C. Krishna Kumar, Dr. K. Jithendra Gowd, "Compensation Of Linear/Non-Linear Loads By Implementation Of Adaptive Filter in DSTATCOM", International Research Journal of Modernization in Engineering Technology and Science, volume:03, Issue:11, November-2021 PP 387-394
38. K. Venkata Koti Reddy, Dr. K. Jithendra Gowd, "Saturated Iron-Core Superconducting Fault Current Limiter And DVR Transient Analysis", International Research Journal of Modernization in Engineering Technology and Science, volume:03, Issue:11, November-2021 PP 144-152
39. S Anil Kumar, M Siva Sathya Narayana, K Jithendra Gowd, "Load Frequency Control Of the Thermal System under Deregulated Environment Using Slime Mould Algorithm", International Journal of Power Electronics and Drive Systems (IJPEDS) Vol. 12, No. 4, December 2021, pp. 2221~2229.
40. S Anil Kumar, M Siva Sathya Narayana, K Jithendra Gowd, "Two area LFC of thermal system under open market scenario using Hunger Games Search Algorithm", INTERNATIONAL JOURNAL OF SPECIAL EDUCATION Vol.37, No.3, 2022, pp. 4098-4109.
41. S Anil Kumar, M Siva Sathya Narayana, K Jithendra Gowd, "Load Frequency control of Multi Area System Under Deregulated Environment Using Artificial Gorilla Troops Optimization", Bulletin of Electrical Engineering and Informatics Vol. 11, No. 6, December 2022, pp. 3051~3060.
42. S. Javid, Dr. R. Bhavani, Dr. K. Jithendra Gowd, "Study of Strength Characteristics of Concrete by using Reliability methods",

Journal of North Eastern University, Volume 26, Issue 01, 2023 pp 451-462.

43. K. Pavan Kumar, Dr. R. Bhavani, Dr. K. Jithendra Gowd, "Reliability Analysis on properties of Fly Ash Concrete for the determination of Compressive Strength", Industrial Engineering Journal, Volume 52, Issue 02, No.1 Feb 2023, pp 332-339.
44. T. Chandana, Dr. K. Jithendra Gowd, Smt. Y. Manasa, "Dynamic Modeling, PSO FOPID based Stability Analysis of Shipboard DC Hybrid Power Systems", International Journal of Research and Analytical Reviews (IJRAR), Volume 10, Issue 01, Feb 2023, pp 225-23.
45. M. Bhaskar, Dr. K. Jithendra Gowd, Smt. Y. Manasa, "Implementation of ANFIS Controller for Power Quality Enhancement with Hybrid PV- Wind in Three Phase Distribution Systems", International Journal of Research and Analytical Reviews (IJRAR), Volume 10, Issue 01, Feb 2023, pp 241-249.
46. M. Dileep Kumar, Dr. K. Jithendra Gowd, Smt. Y. Manasa, "Performance Analysis of ANFIS – Lyapunov function based shunt active Power filter for Power Quality Enhancement", International Journal of Research and Analytical Reviews (IJRAR), Volume 10, Issue 01, Mar 2023, pp 365-374.
47. Jan Bhasha Shaik, K. Jithendra Gowd, "Performance Improvement for the VSC-HVDC Transmission System under Cascaded A.C. and D.C. Faults", Journal of Engineering Science and Technology Review 16 (1) (2023) pp.1 – 8.
48. S Anil Kumar, M Siva Sathya Narayana, K Jithendra Gowd, "Application of a TID Controller for the LFC of a Multi Area System using HGS Algorithm", Engineering, Technology & Applied Science Research, Vol. 13, No. 3, 2023, 10691-10697
49. Jaya Vani Lagudu, Dr. K. Jithendra Gowd, S Satyanarayana, "Design and Control of Photovoltaic and Wind Source Based Low-

Voltage DC Micro-Grids”, TELEMATIQUE Volume 22 Issue 1, 2023 pp 2771 - 2779 ISSN: 1856-4194.

50. Pujari Anjappa , K Jithendra Gowd, “ Analysis and Design of Efficient High Voltage Gain Interleaved Boost Converter for Solar PV System”, Nanotechnology Perceptions 20 No.5 (2024) pp 404–416 ISSN 1660-6795
51. C. Sunil Teja , K. Jithendra Gowd , Y. Manasa, “Controlling and Modelling of an EV Charging Station with PV and Battery using ANN Control”, Journal of Systems Engineering and Electronics (ISSN NO: 1671-1793) Volume 34 ISSUE 8 2024

#### **NATIONAL JOURNALS:**

1. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, “Impact of Distributed generators on losses voltage profile and Generation Cost”, was published in “I-manager’s Journal on Electrical Engineering”, Vol. 3 1 No. 3 1, pp 10-20, January - March 2010

#### **INTERNATIONAL CONFERENCES:**

1. K. Jithendra Gowd, K. S. R. Anjaneyulu, Ch. Sai Babu, “A Method for reduction of power loss in unbalanced distribution systems” was published in International Conference on “ Recent Advancements and Applications of Computer in Electrical Engineering (RACE)” organized by College of Engineering, Bikaner on 24<sup>rd</sup> -25<sup>th</sup> March, 2007 Volume 1, pp 503-511.
2. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, “Impact of Distributed generators on losses voltage profile and Generation Cost”, was presented and published in International Conference on “Electrical Energy Systems & Power Electronics in Emerging Economies ICEESPEEE-2009”, Organizing by SRM University, Chennai on April 16<sup>th</sup> and 17<sup>th</sup> 2009 pp. 625-634.
3. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, “Analytical Methods for placement of Distributed generators in distribution

systems” was published in “International Conference on System Dynamics and Control (ICSDC-2010)” organized by Manipal Institute of Technology, Manipal from August 19th to 22nd August 2010.

4. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, “Optimal Location of Multiple DGs in unbalanced radial distribution systems” was accepted to publish in “International Conference on Advances in Power Conversion and Energy Technologies (APCET-2012)” organizing by Lakireddy Balireddy College of Engineering, Mylavaram from 02<sup>nd</sup> to 04<sup>th</sup> August, 2012.
5. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, “Voltage Profile Enhancement in the Unbalanced Distribution Systems during Fault Conditions” has been presented and published in “International Conference on Electrical Engineering (ICEE-2015)” to be held on February 12-13, 2015 in Kuala Lumpur. Malaysia.
6. K. Jithendra Gowd, G. Govardhan Reddy “A Control Technique for reduction of harmonics in Grid connected and stand alone modes for single phase solar PV system”, has been presented and published in “ International Conference of Innovative Trends in Science and Engineering Technologies (ICITSET-2018) on 23<sup>rd</sup> September 2018 at NRI Institute of Technology, Guntur.
7. K. Jithendra Gowd, Bandari Yaswanth Kumar, Y Manasa “Frequency support and power regulation in VSC-MTDC system by using Fuzzy Logic Controller”, has been presented and published in “International Conference of Innovative Trends in Science and Engineering Technologies (ICITSET-2018) on 23<sup>rd</sup> September 2018 at NRI Institute of Technology, Guntur.
8. C. Vimala, K. Jithendra Gowd, D. Dharani Lakshmi, “Economic Operation of Autonomous AC, DC and Hybrid AC-DC Microgrids by a Distributed Control Strategy”, has been presented and published in “International Conference of Innovative Trends

in Science and Engineering Technologies (ICITSET-2018) on 23<sup>rd</sup> September 2018 at NRI Institute of Technology, Guntur.

9. D. Dharani Lakshmi, K. JithendraGowd, “Microgrid Stability Enhancement by using Coordination of SFCL, SMES and Distributed Generation Units” has been presented in IEEE TENCON 2019 organized by IEEE Kerala Section at Kochi, Kerala from 17-20 October 2019 and published in TENCON 2019 - 2019 IEEE Region 10 Conference (TENCON).
10. V. Narasimhulu, K. JithendraGowd, “Performance analysis of Single Stage PV connected Three Phase Grid System under steady state and dynamic conditions” has been presented in International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA- 2020) at GOA during August 29-30, 2020.
11. Punnepalli Harikrishna, S. Sridhar, K. Jithendra Gowd, “Nonlinear Control of IPMSM Drive using Multilevel Inverter and Third Harmonic Injection”, International Conference on Science, Technology, Engineering and Management(ICSTEM) held in Goa, during 30<sup>th</sup> - 31<sup>st</sup> January, 2021.
12. S Anil Kumar, M Siva Sathya Narayana, K Jithendra Gowd, “Application of TID Controller in LFC of Two Area System under Open Market Scenario”, has been presented in 2nd international Conference on IOT Based Control Networks And Intelligent Systems (ICICNIS 2021), at St. Joseph’s college of Engineering and Technology, Palai, Kerala during 28<sup>th</sup> and 29<sup>th</sup> June, 2021.
13. K. Jithendra Gowd, V. Narasimhulu “Performance analysis of T- type 3- level inverter in PV Fuel Cell Hybrid Generation System” has been presented in IEEE Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIIIE- 2023) at RYMEC, Bellari during 02-03 November, 2023



### **NATIONAL CONFERENCES:**

1. K. Jithendra Gowd, Ch. Sai Babu, S. Sivanagaraju, “Cogenerator and Transformer modeling for Distribution System Analysis”, was presented and published in National Conference on “Recent Advances in Electrical Engineering (EAR-2008)”, conducted by JNTU College of Engineering , Anantapur, on 3<sup>rd</sup> May, 2008 pp 89-96.
2. K. Jithendra Gowd was presented and published in National Conference on Power System Engineering conducted by Shri Dharmasthala Manjunatheswara College of Engineering and Technology, Dharwad on 2<sup>nd</sup> April 2016.
3. D. Sonia, K. Jithendra Gowd, K. Nagabhushanam, “Comparison of Electric Springs with STATCOM for Distributed Voltage Control using Fuzzy Logic”, was presented and published in National Conference on “Emerging Trends in Power, Energy and Control (ETPEC’16)”, conducted by Vignan Foundation for Science, Technology and Research University, Vadlamudi, Guntur during 14<sup>th</sup> and 15<sup>th</sup> October 2016.