BIODATA

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EXPERIENCE:

- As a Lecturer in Department of Electrical Engineering, JNTU College of Engineering, Anantapur from June, 2002 to January, 2011

- As an Assistant Professor in Department of Electrical Engineering, JNTUA College of Engineering, Anantapur since February, 2011 to till date.

ACADEMIC RECORD:

Degree of Certificate	Issuing Board	Year of Pass	Grade
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%

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, Basic Electrical Engineering, Electrical Measurements, Computer Programming and Numerical Methods, Switchgear and Protection, Generation of Electric Power, Transmission of Electric Power, Power System Analysis, FACTS Controllers, Power System Control & Stability, Utilization of Electric Power, Special Machines, Reactive Power Compensation and Management, etc

B.TECH PROJECTS GUIDED

S.No	Title of the Project	Year
1	Enhancement of Voltage stability analysis of Radial distribution Systems by Network Reconfiguration	2007
2	Impact of Cogeneration on unbalanced distribution systems	2008
3	Analytical methods for optimal placement of distributed generators in distribution systems	2009
4	Optimal Allocation of Multiple Distributed Generators in Distribution Systems	2010

5	Comparison of performance of classical controllers in AGC for an interconnected Multi Area Thermal Station	2011
6	Automatic Generation Control of Power System with Fuzzy Gain Scheduling proportional and integral controller	2011
7	Performance comparison of different PID parameters tuning techniques for ball and hoop system	2012
8	Design and Analysis of Dynamic Voltage Restorer for Deep Voltage Sag and Harmonic Comparison	2013
9	Direct Torque Control of Induction Motor	2015
10	New Breed of Network Fault Tolerant Voltage Source Converter HVDC Transmission System.	2016
11	Cascaded Two level inverter based topology of Multilevel STATCOM for High power Applications	2017
12	Distributed Voltage Control using Electrical Springs in Comparison with STATCOM	2017
13	Carrier based Pulse Width Modulation Methods for common mode voltage elimination in open end winding induction motor drive	2019
14	Industrial Automation Using Internet of Things	2020

M.TECH PROJECTS GUIDED

S.No	Title of the Project	Year
1	Simulation of load compensation under unbalanced and distorted voltages	2010
2	Optimal Location of Multiple Distributed Generations and Sizing by Using Kalman Filter Algorithm	2010

3	Optimal Placement of Distributed Generation on Unbalanced Distribution Networks	2011
4	Analysis of Power Quality and protection aspects of interconnected power systems using DG	2011
5	Fault analysis for unbalanced distribution systems considering fault resistance estimation	2011
6	Power Quality and Custom Power Improvement by Open UPQC	2011
7	Fault analysis with and without Distributed Generator in unbalanced distribution networks	2013
8	Synchronization and reduction of harmonics of DFIG under distorted grid voltage conditions	2013
9	Simulation of transformer connection scheme to transform three phase to five phase supply	2013
10	Coordination and control of Hybrid AC/DC Micro Grid through bi directional converters	2013
11	A novel approach for minimal injected harmonics at distribution level by using SVC	2013
12	Loop power controller with photo voltaic generation for loading balance of distribution feeders	2013
13	An Improved Approach to Transient Stability constrained Optimal Power Flow	2013
14	Enhancement of Voltage Quality in Isolated Power Systems	2013
15	Operation and Control of Single Phase Distributed Generators in a Utility Connected Grid	2013
16	Application of DSTATCOM for Load Compensation of Isolated Diesel Generator System	2013
17	Economic Load Dispatch for a Power System with Renewable Energy Using Direct Search Method	2013

18	Improvement of Dynamic Performance of Hydrothermal System Under Deregulated Environment Employing SSSC and SMES	2013
19	An Enhanced Microgrid Control Strategy to Improve Reactive Power Sharing Accuracy	2013
20	Power Loss Reduction in Radial Distribution System Using Plant Growth Simulation Algorithm	2013
21	Emergency Control in Distribution System by using DVR	2013
22	Improved Active Power Filter Performance for Distribution System with Renewable Generation	2014
23	Enhancement of Power Quality in Wind Farms to Weak Grid Connection Using Custom Power Devices	2014
24	Dynamic Voltage Restorer for Voltage Swell/Sag and Mitigation in Distribution Line	2014
25	Emergency Control in Distribution Systems using Multifunctional Dynamic Voltage Restorer	2014
26	Enhancement of Microgrid Dynamic Voltage Stability Using Microgrid Voltage Stabilizer	2014
27	An Adaptive Perturb and Observe MPPT Technique for Photovoltaic-based Microgrids	2014
28	Power Quality Improvement at Distribution Level with Grid Interconnection of Renewable Energy Sources	2014
29	Power Synchronization based Control VSC-HVDC Link in a Island Power System	2014
30	Limitation of Fault Current by Positioning of Superconducting Fault Current Limiter in AC and DC Microgrid	2014
31	Wide-Area Power Oscillation Damping with the Aid of Fuzzy Controller Compensating the Continuous Latencies	2014

32	Optimal Location of the SFCL on Electric Power Grid to improve the Power System Stability	2015
33	Power flow method for loss allocation in radial distribution networks with DGs	2015
34	Optimal Power flow in Microgrids with Energy Storage	2015
35	A simple control scheme for single phase shunt active power filter with fuzzy logic based DC bus voltage controller	2015
36	Superconducting Fault current limiter for energy storage protection under grounded faults in a Microgrid	2015
37	Application of Split TCSC for fine power flow control	2015
38	Single phase Transformer less single stage grid connected PV System	2015
39	Reactive power capacity enhancement of APV Grid System to increase PV Penetration level in smart grid scenario	2015
40	Power flow method for loss allocation in radial distribution networks with DGs	2015
41	Superconducting fault current limiter for energy storage protection under grounded faults in a microgrid	2015
42	Design of Fuzzy logic controlled DVR to prevent saturation form series transformers	2015
43	Reduction of Total Harmonic Distortion with DVR using Fuzzy logic Controller	2016
44	Comparison of Electric springs with STATCOM for Distributed voltage control using Fuzzy logic	2016
45	A Transformer less Hybrid series active filter for enhancing power quality of electric transportation systems	2017
46	Power quality improvement under stiff source using multifunctional DSTATCOM	2017
47	Implementing Droop controlled DFIG units in Micro grid	2017

48	Cascaded two level inverter based multilevel inverter for high power applications using STATCOM	2017
49	Implementation of Solar PV and Battery Storage System of a three level NPC Inverter using Fuzzy Logic Controller	2017
50	Dynamic Droop Load Sharing Scheme and its Stability Analysis in Islanded Microgrids	2017
51	VSC HVDC Implementation using Hybrid Simulation Model	2017
52	Enhancement of Power Quality of PMSG Based DG SET using Fuzzy Logic Controller	2017
53	Fuzzy based smart load primary frequency control contribution using Reactive Compensation	2017
54	Improvement of Transient stability of DFIG based wind generator by Resistive type solid state fault current limiter using Fuzzy Logic Controller	2017
55	Implementation of two stage isolated multilevel inverter control strategy using Fuzzy Logic Controller for photovoltaic applications.	2019
56	Automatic centralized Micro Grid controller with the algorithm of Incremental conductance	2019
57	A Control Technique for reduction of harmonics in Grid connected and stand alone modes for single phase solar PV system	2019
58	Frequency support and power regulation in VSC-MTDC system by using FLC	2019
59	High Voltage Gain Interleaved Boost Converter With ANFIS Based MPPT Controller For Fuel Cell Based Applications	2019
60	Microgrid Stability Enhancement by using Coordination of SFCL, SMES and Distributed Generation Units with Fuzzy Logic Controller	2019

61	Improving Dynamic Stability using Energy Storage Technology in Interconnection of Large Power Systems with AC Link.	2019
62	Improvement of Power Quality in Multi-Terminal Hybrid Ac/Dc Microgrid by using Fuzzy Logic Controller	2019

WORKSHOPS /REFRESHER COURSES/TRAINING PROGRAMMES/ SUMMER /WINTER SCHOOLS ATTENDED:

S.No	Name of the Programme
1	One week Refresher Course on "**Analysis of Electric Circuits**" during 29-08-05 to 03-9-05. at JNTU College of Engg., Anantapur
2	A 3-Day workshop on "**Recent Trends in Distribution & Automation DART-05**" from 28-10-2005 to 30-10-2005 at JNTU College of Engg., Anantapur
3	A Two day Workshop on "**Intelligent Techniques and Their Applications**" During 14-02-2007 to 15-02-2007 at JNTU College of Engg., Anantapur
4	A Two Week Training program on "**Development of Embedded Systems Laboratory**" during 19-02-07 to 2-03-07 at JNTU College of Engg., Anantapur
5	A Two day training programme on "**PSIM & SKM Power Tools Software Packages**" during 31-08-2007 to 01-09-2007 at JNTU College of Engg., Anantapur
6	A Two day workshop on "**Awareness on Indian Electricity Act**" during 13-09-2008 to 14-09-2008 at JNTU College of Engg., Anantapur
7	A 5 days training Program on **"Power System Simulation Studies using MiPower Software"** at Power Research & Development Centre Pvt. Ltd., Bangalore from 10th to 14th November, 2008

8	A Two day Faculty development programme on "**Embedded Systems and Technology**" during 29-12-2008 to 30-12-2008 at JNTU College of Engg., Anantapur
9	A Two day National Seminar on "**Power Distribution Automation**" during 14-02-2009 to 15-02-2009 at Sree Vidyanikethan Engineering College, Rangampet, Tirupathi.
10	A Winter School on "**Applications of Power Electronics to Non Conventional Power Generation Systems**" at National Institute of Technology Karnataka, Surathkal from 3rd to 7th March, 2009
11	A Three day National Workshop on " **SCADA in Modern Power System Control**" during 13-03-2009 to 15-03-2009 at National Institute of Technology, Warangal.
12	A Three day National Workshop on "**SOLAR POWER: Now and Here**" during 23-03-2009 to 25-03-2009 at Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal.
13	A Two day National Workshop on " **Neural Networks & Fuzzy Systems**" during 30-03-2009 to 31-03-2009 at JNTU College of Engg., Anantapur
14	One Week Training Program on "**MISSION 10 X High Impact Teaching Skills**" during 27-04-2009 to 01-05-2009 organised by **WIPRO TECHNOLOGIES** Pvt. Ltd at INTELL Engineering College.
15	A Two day Workshop on " **Combating Climate Change**" during 18-03-2010 to 19-03-2010 organized by Andhra Pradesh Pollution Control Board & Dept. of Chemical Engineering at JNTU College of Engg., Anantapur
16	A Two day National Seminar on " **Research Issues on FACTS Controllers with soft computing Techniques**" during 26-03-2010 to 27-03-2010 at Kongu Engineering College, Erode, Tamilnadu.

17	A one day workshop on **"Service oriented Architecture & cloud computing"** on 26-07-2011 at JNTUA College of Engg., Anantapur.
18	A Three day National Workshop on "**High Voltage Direct Current Transmission**" during 23-01-2012 to 25-01-2012 at Central Power Research Institute, Bangalore.
19	A one day National Workshop on "**Awareness Campaign on Ethical Hacking**" on 18-02-2012 at JNTUACEA.
20	A one day workshop on **"Corporate communications for placements success"** on 28-03-2012 at JNT University, Anantapur.
21	A Two day program on "**Advantage AP**" IT annual summit on 21-06-2012 and 22-06-2012 at ICCC, Hyderabad organized by Govt. of AP.
22	A one day workshop on "**Embedded Systems**" on 05-10-2012 at JNTUA College of Engineering, Anantapur organized by Pearson Education.
23	A one day workshop on "**Technology Enhanced Learning through IEEE for Imparting Quality Higher Education**" on 19th April, 2014 at JNTUA College of Engineering, Anantapur.
24	A two day workshop on "**Outcome Based Education Approach in Engineering Curriculum**" during 26th and 27th August, 2014 at JNTUA College of Engineering, Anantapur.
25	A one day Faculty Development Programme on "**Agile Methodologies**" on 25th February, 2015 at JNTUA CEA.
26	A one day workshop on "**Training Program for NBA Criteria and Accreditation process**" on 3rd March, 2015 at JNTUA CEA.
27	A one day workshop on "**Awareness on Various Programs for Foreign University Collaborations**" on 16th May, 2015 at JNTUA College of Engineering, Anantapur.

28	A Two Week Faculty Development Programme on "**Entrepreneurship**" from 06th July, 2015 to 18th July, 2015 at JNTUA College of Engineering, Anantapur.
29	One Day workshop on" **Awareness on Washington accord for outcome based education**" on 4th August 2015 at JNTUA College of Engg., Anantapur
30	A one day workshop on "**Awareness on IT/ITES Job Roles & Big Data Analysis**" on 20th August, 2015 at JNTUACE, Anantapur.
31	A one day workshop on "**Awareness on Power Systems Simulation Analysis using Mi Power Software**" on 22nd September, 2015 at JNTUA College of Engineering, Anantapur.
32	A one day training / orientation on "**MATLAB, Simulink & related Tool Boxes for Engineering Education**" on 7th October, 2015 at JNTUA College of Engineering, Anantapur.
33	A one day workshop on "**Cyber Security**" on 8th October, 2015 at JNTUA College of Engineering, Anantapur.
34	A one day workshop on "**Innovations in Technology**" on 9th December, 2015 at JNTUA College of Engineering, Anantapur.
35	Three Week Summer School on "**Strategies for Research Oriented Teaching**" from 06-06-2016 to 25-06-2016 at UGC HRDC, JNTU Hyderabad.
36	A Day workshop on "**21st Century Teaching Stratagies**" on 16th September, 2017 held at college Auditorium, JNTUACE, Ananthapuramu.
37	A Short term course on "**Advanced Optimization Techniques for Engineering Application**" from 13-01-2018 to 17-01-2018 at NIT Kurukshetra.
38	A Two day Workshop on **"Prospective Energy Sources- Wind and Solar PV Systems"** from 23rd to 24th March, 2018 at JNTUA College of Engg., Anantapur.

39	One week Faculty Development programme on "**Reinforcing Professional Communication skills for Teaching Faculty**" from 11-15 June, 2018 at JNTUA College of Engineering, Anantapur.
40	Two day training programme on "**TEQIP-III financial management and PFMS**" organized by NPIU Delhi and Dr. AIT Bangalore from 30th to 31st July, 2018.
41	A One day Workshop on **"Benefits of engaging with international organizations"** from 4th August, 2018 at JNTUA College of Engg., Anantapur.
42	A Two day FDP on **"Big Data Applications in Power Systems"** from 28rd to 29th September, 2018 at JNTUA College of Engg., Anantapur.
43	A Two Week FDP on **"Solar and wind energy-Future Technologies"** from12th and 24th Nov, 2018 at JNTUA CEA.
44	A One day Workshop on **"Equity action plan"** conducted by SPIU Karnataka on Nov 14th, 2018 at BMS College of Engineering, Bengaluru.
45	A one week Faculty development programme on "**Soft skills and personality development**" during 10-14 December 2018 at JNTUA College of Engg., Anantapur
46	A one week Faculty development programme on "**Design and development of MOOCS through swayam**" organized by E & ICT Academy, NIT Warangal during 18th to 23rd January, 2019 at JNTUA College of Engg., Anantapur
47	National conference on "**Equity: Achievements and challenges in India**" by the national project implementation on 15th and 16th March,2019 at College of Engineering Pune
48	One Day workshop on "**Web –based Academic MIS**" organized at BVB's Sardar Patel College of Engineering, Andheri, Mumbai on 8th April, 2019.

49	A one week Faculty development programme on "**Leadership Skills**" during 19th to 24th August, 2019 at JNTUACE, Anantapur
50	A one week Faculty development programme on "**Innovative Teaching- Learning Techniques in Higher Education**" during 04th to 09th September, 2019 at JNTUA College of Engg., Anantapur
51	A one week Faculty development programme on "**Research Methodology and Data Analytics**" during 23rd to 28th September, 2019 at JNTUA College of Engg., Anantapur
52	Three day workshop on **"Electrical Sciences – 2019"** organized by the school of Electrical Sciences during 5th – 7th December, 2019 at IIT GOA
53	A Two day Workshop on "**Materials for Energy Conversion and Storage Devices**", during 27th and 28th December, 2019 at JNTUA College of Engg., Anantapur
54	A Two day Workshop on "**Development of MOOCs and production Techniques**", during 17th and 18th January, 2020 at JNTUA College of Engg., Anantapur
55	One day Workshop on "**NAAC Awareness Programme on Revised Accreditation Frame Work for Constituent and Affiliated Colleges of JNTUA**" on 20-01-2020 at JNTUA Anantapur
56	A five day FDP on "**Awareness on Electric/Hybrid Vehicle Engineering**", during 21st to 25th January, 2020 at JNTUA College of Engg., Anantapur
57	A Three days Workshop on **"Experimental Approchaes & Instrumental Aspects in Analytical chemistry"** from 6th to 8th, February, 2019 at JNTUA College of Engg., Anantapur
58	AICTE Two Week Faculty Development Programme on "**Mathematical Modeling and Simulation for Scientists and Engineers**" from 24-02-2020 to 07-03-2020 at JNTUACEA.

59	One week Faculty Development Programme on **"MOODLE – Learning Management Systems"** from 4th May to 9th May, 2020 organized by Tagore Institute of Engineering and Technology, Attur in association with spoken tutorial, IIT Bombay. **(ONLINE)**
60	Three day webinar FDP on "Digital Era of Teaching" from 11th to 13th May, 2020 conducted by Diksoochi, Mysuru. **(ONLINE)**
61	Faculty Development Programme on **"Research paper and Project Proposal Writing"** from 15th May to 16th May 2020 organized by Sree Vidyanikethan Engineering College, Tirupati **(ONLINE)**
62	A Five Day National Level Online FDP on "**Cutting-Edge Technologies for Electrical Engineering**", organized by Andhra Loyola Institute of Engineering and Technology, Vijayawada from 18th to 22nd May 2020. **(ONLINE)**
63	A Three Day Online FDP on "**Real Time Hardware in the Loop (HIL) Simulation for Power Electronics and Power Systems**", organized by Anurag University, Hyderabad from 27th to 29th May 2020. **(ONLINE)**
64	International Webinar on **"How to get Research grants from UGC, AICTE"** on 9th June 2020 jointly organized by MBITS, Kochi, Kerala and SMBS, Kottayam, Kerala **(ONLINE)**
65	National Webinar on **"Preventive Measure of Covid-19 through Ayurveda and Yoga"** on 12th June 2020 organized by Ayushmaanbhava International Wellness Society, Tirupathi **(ONLINE)**
66	A one week Faculty Development Programme on **"Harnessing Solar Energy for Reducing Carbon Footprint"** from 16th June to 20th June 2020 organized by Shri Shankaracharya Technical Campus, Bhilai. **(ONLINE)**

67	One week Online FDP on "**Real Time Hardware in the Loop (HIL) Simulation for Power Electronics and Power Systems**", organized by REC, Manipuri in association with OPAL-RT Technologies & IEEE STB, REC Manipuri from 22nd to 26th June 2020. **(ONLINE)**
68	NUS Webinar Session1- **"Introduction to Typhoon HIL"** on 01-07-2020 organized by IEEE Joint IA/PEL student branch chapter, National University of Singapore **(ONLINE)**
69	NUS Webinar Session2- **"Grid Tied Converters"** on 13-07-2020 organized by IEEE Joint IA/PEL student branch chapter, National University of Singapore **(ONLINE)**
70	5 Day Faculty Development Programme on **"Contemporary Research Methodology and LaTeX for Research Documentation"** from 20/07/2020 to 24/07/2020 conducted by GSSS Institute of Engineering and Technology for Women, Mysuru **(ONLINE)**
71	5 Day Faculty Development Programme on **"Emerging Trends in Electrical Engineering – A Research Perspective"** from 27/07/2020 to 31/07/2020 organised by LBS College of Engineering, Kasargod **(ONLINE)**
72	NUS Webinar Session3- **"HIL for Microgrids"** on 05-08-2020 organized by IEEE Joint IA/PEL student branch chapter, National University of Singapore **(ONLINE)**
73	A Five Day Short Term Course on "**Power Electronics Application in Smart Grid and Electric Vehicle**" from August 3rd to 7th, 2020 organized by Sri Ramakrishna Engineering College, Coimbatore. **(ONLINE)**
74	5 Day Faculty Development Program on **"Recent Trends and Opportunities in Electricity: Generation, Transmission and Distribution"** from August 17th to 21st, 2020 organized by School

	of Electrical Engineering, VIT Chennai. **(ONLINE)**
75	5 Day Faculty development program on **"Efficient harnessing on renewable energy through smart Electrical Designs & Control Schemes"** from 25th -29th AUGUST 2020 organized by Department of EEE, Hyderabad Institute of Technology and Management, Ranga Reddy (Dist.). **(ONLINE)**
76	5 Day Faculty development program on "**Renewable Energy for Sustainable Development: Opportunities and Challenges**" from 8th to 12th September, 2020 organized by Department of EEE, Govt. Engineering College, Raipur. **(ONLINE)**
77	One week Faculty Development Program on "**Management of Online Teaching, Learning and Assessment in Higher Education**" during September 12th - 16th, 2020 at JNTUA College of Engg., Anantapur. **(ONLINE)**
78	4 Day Online Faculty Development Program on **"Challenges and Opportunities of Energy and Sensor Applications"**, during 23rd - 26th Sept., 2020, organized by Department of EEE, JNTUACEA **(ONLINE)**
79	UGC sponsored Inter Disciplinary Refresher Course on **"Engineering and Technology"** during 01st to 14th December, 2020 organized by UGC - HRDC, Mizoram University. **(ONLINE)**
80	One week Faculty Development Program on "**Renewable and Clean Energy Conversion Technologies And Materials**" from 04-08 January, 2021 at JNTUA College of Engg., Anantapur. **(ONLINE)**
81	Two-Day Virtual Workshop on "**Outcome Based Education**" from 25th to 26th March, 2021 organized by GITAM University, Vishakapatnam
82	5-day online FDP on "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical

	Education(AICTE) from 19 April, 2021 to 23 April, 2021
83	Webinar on "FPGA Controller for Electrical Engineering - WAVECT" organized by Entuple Technologies on 19th May 2021.

NPTEL – FACULTY DEVELOPMENT PROGRAMMES

S.No	Timeline	Course Name
1	Aug-Sep 2018	Electrical Distribution System Analysis
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 Micro grid and Control System

PROGRAMS ORGANIZED:

S.No	Name of the Programme
1	A 15 days Community Services Program on "**Electric Wiring and AC/ DC Motor Control**" during 22-01-07 to 05-02-07 at JNTU College of Engg., Anantapur
2	A National Level technical Symposium "**EYE-2KX**" on 11th March 2010 at JNTUA College of Engg., Anantapur
3	A National Level technical Symposium "**EYE-2K11**" on 02nd April 2011 at JNTUA College of Engg., Anantapur.
4	A one day Workshop on **"Smart Grid"** on 06th January, 2012 at JNTUA College of Engg., Anantapur.

5	A one day Workshop on **"AUTOCAD Electrical"** on 13th April, 2012 at JNTUA College of Engg., Anantapur.
6	A National Level technical Symposium "**EYE-2K13"** from 14th to 15th March, 2013 at JNTUA College of Engg., Anantapur.
7	A National Level technical Symposium "**EYE-2K14"** from 14th to 15th March, 2014 at JNTUA College of Engg., Anantapur.
8	A Two Month training programme on "**AUTOCAD ELECTRICAL**" for the students during November and December, 2014.
9	A National Level technical Symposium "**EYE-2K15"** as a part of "**SAMMELAN**" during 12th and 13th March, 2015 at JNTUA College of Engg., Anantapur.
10	A one day Workshop on **"Awareness of Importance of Overseas Education and its Admission Process"** on 23rd March, 2015 at JNTUA College of Engg., Anantapur.
11	A one day workshop on "**Awareness on Power Systems Simulation Analysis using Mi Power Software"** on 22nd September, 2015 at JNTUA College of Engineering, Anantapur.
12	A One Day "**Career Counseling Programme on Renewable Energy Sources**" on 13th February 2017 at JNTUA CEA.
13	A National Level technical Symposium "**EYE-2K18"** from 14th to 15th March, 2018 at JNTUA College of Engg., Anantapur.
14	A Two day Workshop on **"Six Sense Robotics"** as a part of "**EYE-2K18"** from 14th to 15th March, 2018 at JNTUA College of Engg., Anantapur.
15	A Two day Workshop on **"Wrist Controlled Robotics"** as a part of "**EYE-2K18"** from 14th to 15th March, 2018 at JNTUA College of Engg., Anantapur.
16	A Two day Workshop on **"Prospective Energy Sources- Wind and Solar PV Systems"** from 23rd to 24th March, 2018 at JNTUA College of Engg., Anantapur.

17	A Two day FDP on **"Big Data Applications in Power Systems"** from 28th to 29th September, 2018 at JNTUA College of Engg., Anantapur.
18	A Two day Workshop on **"Pedagogical Skills for outcome based Education"** during 16th -17th November, 2018 at JNTUA College of Engg., Anantapur.
19	Departmental Coordinator for the International Conference on "**System Automation, Reliability, Quality Control, Safety, Maintenance & Management (IC SARQCSMM-2019)**" organized by JNTUACE, Anantapur during 11th – 13th December, 2019.
20	A Two day Workshop on "**Development of MOOCs and production Techniques**", during 17th and 18th January, 2020 at JNTUA College of Engg., Anantapur
21	One week Faculty Development Program on "**Management of Online Teaching, Learning and Assessment in Higher Education**" during September 12th - 16th , 2020 at JNTUA College of Engg., Anantapur (Online)
22	One week Faculty Development Program on "**Renewable and Clean Energy Conversion Technologies And Materials**" from 04-08 January, 2021 at JNTUA College of Engg., Anantapur. **(ONLINE)**

PROGRAMS ORGANIZED AS NSS PROGRAMME OFFICER:

S. No	Name of the event	Date	No of participants
1	Conducted "Telugu Day Celebrations" on the eve of Telugu Language day.	29-08-2017	360
2.	Arranged a Lecture on " Importance of Yoga	29-08-2017	360

	for the education", for the students of JNTUACEA		
3.	Conducted "Blood group checkup" camp in College dispensary, JNTUACE, Anantapur	31-08-2017	360
4	Arranged a Lecture on DIGILOCKER for the staff and students of JNTUACEA	01-09-2017	200
5	Conducted Personality Development Programme for the B.Tech Students	04-09-2017	1100 Approx
6	Arranged a Lecture on " Need for Good Governance and Growth of the Nation", for the students of JNTUACEA	06-09-2017	200
7	Arranged Seminar on the Occasion of International Day for Preservation of Ozone layer	16-09-2017	200
8	Blood Grouping Test	10-08-2017	360
9	National Unity Day (Rashtriya Ekta Diwas)	31-10-2017	350
10	Three day Workshop on Disaster Management and First Aid	09-01-2018 to 11-01-2018	45
11	Workshop on " Exams- Stress – Success	24-03-2018	200
12	World Health day	07-04-2018	50
13	Vana Mahothsavam	14-07-2018	1000
14	NSS Golden Jubilee year Celebrations	24-09-2018	350
15	Blood Donation Camp	05-12-2018	300
16	Special camp	02-03-2019 to 08-03-2019	50
17	Blood Donation Camp	28-03-2019	150
18	National Yoga Day	21-06-2019	200
19	World Environment Day	25-06-2019	100
20	Rally on "JAL SAKTHI ABHIYAN"	22-07-2019	100
21	Conducted "Organ Donation Day" on the eve	13-08-2019	150

	of Telugu Language day.		
22	Rally on "FIT INDIA MOVEMENT"	29-08-2019	80
23	Conducted "Blood group checkup" camp for the first year students, JNTUACE, Anantapur	30-08-2019	360
24	Organized "Blood Donation Camp" in College dispensary, JNTUACE, Anantapur.	31-10-2019	120
25	Conducted "National Integration Day" at College Auditorium, JNTUACE, Anantapur	19-11-2019	300
26	Deputed students for National Integration Camp at Junagadh, Gujarat	06-01-2020 to 12-01-2020	12
27	Organized "Mega Health Camp" in College dispensary, JNTUACE, Anantapur	13-03-2020 & 14-03-2020	300
28	Arranged a lecture on "leadership and ethics"	24-09-2020	50
29	National Unity Day (Rashtriya Ekta Diwas)	31-10-2020	online
30	Organized District Youth Festival on behalf of ANSET, Anantapur	01-12-2020 to 05-12-2020	80
31	Organized National Youth Day	12-01-2021	15
32	Organized 130th birth anniversary celebrations of Dr. B. R. Ambedkar	07-04-2021 to 14-04-2021	50
33	World Environment day	05-06-2021	80
34	Organized International Youth Day	12-08-2021	50
35	Conducted Vaccination Drive	28-08-2021	250
36	NSS Day Celebrations	24-09-2020	150

PROFESSIONAL BODIES

Professional Body	Type of Membership	ID Number
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

ADDITIONAL DUTIES:

- Served as a Deputy Warden for Amaravathi Hostel from March, 2011 to August, 2013.
- Served as a Deputy Warden for Lepakshi Hostel from August, 2013 to July, 2015
- Served as a Officer Incharge of Academic Section from 19-03-2015 to 14-07-2017
- Acted as Chairman, Board of Studies (BOS), Dept. of Electrical & Electronics Engineering, JNTUA College of Engineering, Anantapur during 2017-19
- Serving as NSS Programme Officer for Unit I
- Serving as TEQIP Nodal Officer (Finance), TEQIP III Programme, JNTUACEA
- Serving as a Deputy Warden for Ellora Hostel since August 2018.
- Serving as Coordinator, Equity Action Plan
- Department Coordinator, NBA Committee

- Department Coordinator, NAAC Committee
- Serving as IEEE Students Branch Counselor since 22-12-2018
- Local Committee Member, IEI Ananthapuramu local center, from 08-11-2019
- Faculty Advisor, ROTORACT, JNTUA CEA
- Served as Officer In charge of Electrical Maintenance from November 2020 to November 2021
- Serving as a Officer Incharge of Academic Section since 08-11-2021
-

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 6th to 9th December, 2012.
- Governing Body Member, Annamacharya Institute of Technology & Sciences, Tiruapti
- Reviewer of Journal of Ambient Intelligence and Humanized Computing.
- **Awarded State Level Best NSS Programme Officer for the year 2019-20**

GUEST LECTURES:

- Delivered a Lecture on "FACTS TECHNOLOGY" at Golden Valley Integrated Campus, Madanapalli on 07-03-2015.
- Delivered a Expert Lecture on "Advances in Power Systems " at JNTUA College of Engineering, Anantapur during EYE- 2K16 on 14-03-2016.
- Delivered a Lecture on "FACTS TECHNOLOGY" at Bheema Institute of Technology, Adoni on 15-02-2017.

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	32
National Journals	1
International Conferences	11
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 (IJEEER), 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 Smoothening 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. 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)**

23. 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)**

24. 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)**

25. Reddi Rani, Jithendra Gowd, 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)**

26. S. Padma Sharon, K. Jithendra Gowd, M. Srinivasarao, "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)**

27. M. Anka Rao, 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, 6633-6644 ISSN (P): 2249–6890; ISSN (E): 2249–8001. **(SCOPUS JOURNAL)**

28. 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.

29. Gandham Kenvilkumar, 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.

30. 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.

31. Mummidi 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.

32. 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.

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 l No. 3 l, 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 24rd -25th 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 16th and 17th 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 02nd to 04th 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 23rd 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 23rd 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 23rd September 2018 at NRI Institute of Technology, Guntur.

9. D. Dharani Lakshmi, K. Jithendra Gowd, "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. Jithendra Gowd, "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 30th - 31st January, 2021.

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 3rd 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 2nd April 2016.

3. D. Sonia, K. Jithendra Gowd, K. Nagabhushanam, "Comparision 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 14th and 15th October 2016.