

## **Curriculum Vitae**

**Dr.R. Durga Rao**, B.Tech, M.Tech, Ph.D, LMISTE, LMSSI.

**Associate Professor. & Head Dept. of EEE,**

**JNTUH University College of Engineering Manthani,**

**Centenary Colony, Pannur(V),**

**Ramagiri (M), Peddapalli (Dist) – 505212.**

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### **Educational Qualifications**

<b>Ph.D</b>	<b>Estimation and Mitigation of very Fast Transient Over Voltage (VFTO) Magnitudes by Switching the Lumped Elements in UHV Gas Insulated Switchgear Substations.</b>	<b>JNTUH</b>
<b>M.Tech</b>	<b>Electrical Power Engineering</b>	<b>JNTUH</b>
<b>B.Tech</b>	<b>EEE</b>	<b>JNTUH</b>

**Academic Experience:** - Total Academic Teaching Experience is 21 Years

### **Academic positions**

<b>S.No.</b>	<b>Post Held</b>	<b>Name of the Organization</b>	<b>Date</b>
<b>1</b>	<b>Assistant Professor with Academic Level-10 (Corresponding to Asst. Professor with AGP Rs.6000/-in the Pay Band of Rs.15600-39100 under UGC RSP 2006)</b>	<b>JNTUH UCEJ</b>	<b>05.01.2011</b>
<b>2</b>	<b>Assistant Professor with Academic Level-11 (Corresponding to Asst. Professor with AGP Rs.7000/-under UGC RSP2006)</b>	<b>JNTUH UCEJ</b>	<b>16.06.2012</b>
<b>3</b>	<b>Assistant Professor with Academic Level-12 (Corresponding to Asst. Professor with AGP Rs.8000/-under UGC RSP 2006)</b>	<b>JNTUH UCEJ</b>	<b>25.06.2017</b>
<b>4</b>	<b>Associate Professor with Academic Level13A</b>	<b>JNTUH UCEM</b>	<b>25.06.2020</b>
<b>5</b>	<b>Professor with Academic Level 13A</b>	<b>JNTUH UCEM</b>	<b>26.06.2023</b>

### **Administrative Experience**

<b>S. No.</b>	<b>Designation</b>	<b>Duration</b>
<b>1</b>	<b>Head of the Department, EEE JNTUH UCEM</b>	<b>04-01-2019 to till date</b>
<b>2</b>	<b>NSS Programme Officer, JNTUH UCEM</b>	<b>07-11-2019 to till date</b>
<b>3</b>	<b>Electrical Maintenance Officer JNTUH UCEM</b>	<b>01-08-2023 to till date 04-01-2019 to 20-04-2020</b>
<b>4</b>	<b>In charge of Examination Branch, JNTUH UCEM</b>	<b>09-10-2023 to till date</b>
<b>5</b>	<b>Head, Dept. of EEE, JNTUH UCEJ</b>	<b>03-11-2014 to 27-12-2016</b>
<b>6</b>	<b>Electrical Maintenance Officer, JNTUH UCEJ</b>	<b>01-03-2012 to 05-12-2014</b>
<b>7</b>	<b>Officer In charge Library, JNTUH UCEJ</b>	<b>15-07-2017 to 04-01-2019</b>

### Subjects Taught:-

1. Electrical Circuits
2. Basic Electrical Engineering
3. Network Analysis.
4. Electrical Machines
5. Power Systems
6. Power Systems Operation & Control
7. Computer Methods in Power Systems
8. High voltage Engineering
9. Electrical Distribution Systems
10. Special Electrical Machines
11. Electrical Measurements
12. Gas Insulated Substations

### Laboratories Established:-

1. Electrical Circuits Lab
2. Electrical Machines Lab
3. Electrical Power Systems Lab
4. BEE Lab
5. Electrical Simulation Lab
6. Electrical Workshop
7. Electrical Measurement Lab

### Other Responsibilities

Served as Observer to several entrance tests - EAMCET, ECET

### Research Areas

- High Voltage Engineering
- Gas Insulated Substation
- Electrical Machines
- Electrical Power Systems
- Artificial Intelligence Techniques
- Soft Computing and Simulation Methods

### Books published:-

1. Dr.R.Durga Rao, Associate Professor & Head, Department of EEE, Publication of the Text Book first edition entitled “**Special Electrical Machines**” Infinite Research, Registered under MSME Government of INDIA .ISBN NO 978-81-964364-0-7, Year of ISBN:2023.
2. Dr.R.Durga Rao, Dr.T.Charan Singh &Dr.L.Kishore “Special **Electrical Machines** Infinite Research, Registered under MSME Government of INDIA .ISBN NO 978-81-964364-0-7, Year of 2023.
3. Dr.R.Durga Rao & Dr. K. Naga Sujatha “**UHV Gas Insulated Substations- Mitigation of Very Fast Transient Over Voltages (VFTOS)**” Iterative International Publisher. ISBN NO. 978-81-960478-9-4, Year of 2022.

## Patents

1. Dr. .RAMISETTI DURGA RAO, Associate Professor & Head Department Of EEE JNTUH University College of Engineering, Centenary Colony, Pannur Village, Kamanpur Mandal, Peddapalli Dist - 505212, Telanagana, India. Patent On **Solar and Wind Hybrid energy generation apparatus**. Patent Design No: 379697-00 Dated: 19/05/2023 Page No: 239 Government of INDIA.
2. RAMISETTI DURGA RAO, Centenary Colony, Pannur Village, Kamanpur Mandal, Peddapalli Dist Telanagana, India. Patent On **Automatic Kitchen Exhaust Fan With Pollution Monitoring System** Application No.202231027484 A Date Of Filing Of Application: 12/05/2022. Publication Date: 10/06/2022, Page No: 402.
3. Dr. DURGA RAO RAMISETTI Address Of Applicant: Head Department Of EEE JNTUH University College of Engineering, Hyderabad. **Solar Panel Embedded Tube Light Frame For Battery Charging And Led Lamp Lighting Application** No.202231033862 A Dated Of Filing Of Application: 14/06/2022, Publication Date: 08/07/2022, Page No: 494
4. RAMISETTI DURGA RAO, Centenary Colony, Pannur Village, Kamanpur Mandal, Peddapalli Dist - 505212, Telanagana, India. Patent On **A Sewer Monitoring And Controlling System And A Method To Operate The Same**. Ref.No./Application No. 201941042837, App. Number:TEMP/E-1/45440/2019- CHE, C.B.R.No. 34503, Docket No 88988, Date/Time 2019/10/22

## International Journals

1. Dr. R. Durga Rao, Efficiency Optimization and Power Quality Enhancement in Power Conversion Systems with SEPIC and PI Control Design. ISBN NO: 10.2991/978-94-6463-252-1-72, ISSN: 2352-5401, 9th November2023. Proceedings of the 2<sup>nd</sup> International Conference on Emerging Trends in Engineering (ICETE2023) PP.721-727, 2023. Part of Springer Nature.
2. R. Durga Rao MPPT solar EV charging station, Page no: 107-112. **European Chemical Bulletin, June-2023.ISSN NO: 2063-5346, Volume: 12, Issue: 09.**
3. R. Durga Rao utilizing a fast reconfiguration algorithm to increase the efficiency of PV systems, Page No: 113-122. **European Chemical Bulletin, June-2023. ISSN NO: 2063-5346, Volume: 12 Issue:09**
4. R. Durga Rao Mutiple output DC-DC converter for EV Charging station, Page no: 3023-3032. **Journal of Data Acquisition and Processing, March-2023.ISSN NO :1004-9037, Volume:38, Issue:03.**
5. R. Durga Rao A Dual boost nine level inverter circuit for PV applications, Page no:3015-3022. **Journal of Data Acquisition and Processing, March-2023.ISSN NO: 1004-9037, Volume: 38, Issue: 03.**
6. R. Durga Rao Factors affecting the VFTOS and suppressing techniques using lumped elements in UHV GIS Substations, Page no:508-529. **Journal of Harbin Engineering University, May-2023.ISSN NO :1006-7043, Volume: 44, issue: 05.**
7. R. Durga Rao Suppression techniques of VFTOS generated by switching operation in UHV 1200 KV GIS substation, Page no:492-507. **Journal of Harbin Engineering University, May-2023.ISSN NO :1006-7043, Volume:44, issue:05.**
8. R. Durga Rao Selection of optimal mitigation techniques to suppress the VFTOS in 765 KV UHV GIS substations, Page no:404-418. **Journal of Harbin Engineering University, May-2023.ISSN NO: 1006-7043, Volume: 44, issue: 05.**
9. R. Durga Rao Simulatin of optimal mitigation technique to suppress the VFTORS in 1000KV EHV GIS substations, Page no: 472-491. **Journal of Harbin Engineering University, May-2023.ISSN NO: 1006-7043, Volume: 44, issue: 05.**
10. R. Durga Rao EMF based sensor less speed control of BLDC motor using a two stage AC-DC converter, Page no: **International journal of Engineering Research and Science & Technology (IJERST), June-2023.ISSN NO :2319-5991, Volume:11 Issue:02.**
11. R. Durga Rao & Prof. M. Surya Kalavathi “Resistance based mitigation of very fast transient over voltages in gas insulated substations” Solid state technology ISSN:0038-111X, volume:64, issue:2, publication year 2021 Pg.1181-1202.
12. R. Durga Rao & Prof. M. Surya Kalavathi “Suppression of very fast transient over voltages in gas Insulated substations using RC filters” Analysis of R.S.C.B, ISSN:1583-6258, Vol.25, Issue

13. R.Durga Rao & Prof. M. Surya Kalavathi “**Ferrite rings- based suppression technique for very fast transient over voltages in gas insulated substations**” High technology letters, ISSN: 1006-6748, Vol.27, Issue2, 2021, Pg.: 221-242.
14. R. Durga Rao & Prof. M. Surya Kalavathi “**Nanocrystalline based mitigation technique for very fast transient over voltages in gas insulated substations**” Turkish journal of computer and Mathematics education, ISSN: 1309-4653, Vol.12, No:2, (2021), Pg.:1025-1039.
15. R.Durga Rao, asst. Professor & head, department of eee. jntuh college of engineering manthani, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) **Intelligent solar inverter & statcom control for pv farm connectivity with pso algorithm**, page no's 153-164, a journal of composition theory, volume xiii issue ii february 2020. Issn: 0731-6755.
16. <sup>1</sup>KANTE NAGENDRA BABU, JNTUH College of Engineering, Jagtial, <sup>2</sup>R.DURGA RAO, Assistant Professor & HOD, JNTUH College of Engineering, Manthani, <sup>3</sup>K.SRINIVAS, Assistant Professor & HOD, JNTUH College of Engineering, Jagtial, **Intelligent Solar Inverter & Statcom Control For Pv Farm Connectivity With Pso Algorithm**, ISSN : 0731-6755, Published: A Journal Of Composition Theory, Volume XIII Issue II FEBRUARY 2020.
17. R. Durga Rao, Asst. Professor & Head, Department of EEE. JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in). **Integration of AC&DC Microgrids with the Extensive Power Management Scheme**, ISSN NO: 0886-9367, published: The International journal of analytical and experimental modal analysis, Volume XII, Issue III, and March/2020.
18. R. Durga Rao, Asst. Professor & Head, Department of EEE. JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in). **Implementation Of Fuzzy Based Power Control Of Bdfg With Super-Twisting Sliding Mode Control**, page no's 454-461 ISSN: 0731-6755, Published: A Journal Of Composition Theory, Volume XIII Issue III MARCH 2020.
19. R. Durga Rao, Asst. Professor & Head, Department of EEE. JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in). **Fllc Based Bidirectional Dc/Dc Converter With Dual-Battery Energy Storage For Hybrid Electric Vehicle System**, ISSN NO: 0377- 9254, Published: Journal of Engineering Sciences, Vol 11, Issue 3, March/2020.
20. R. Durga Rao, Asst. Professor & Head, Department of EEE. JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) & Md. Abdul Zameer currently pursuing master's degree program in Electrical Power Systems, JNTUH College of Engineering Jagtial, Email: [abdulzameer@gmail.com](mailto:abdulzameer@gmail.com). **Estimation Of Vfto And Suppression Methods In 420kv Gas Insulated Substation**, ISSN 2277-8616, Published: International Journal Of Scientific & Technology Research Volume 8, Issue 09, September 2019.
21. R. Durga Rao, Asst. Professor & Head, Department of EEE. JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in). **A Fuzzy Controlled Res Based Microgrid For both On And Off Grid Application**. ISSN NO: 0886-9367. Published: The International journal of analytical and experimental modal analysis. Volume XI, Issue XII, December/2019. Page No: 2150.
22. R. Durga Rao, Asst. Professor & Head, Department of EEE. JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) **Performance Analysis Of Digital Over Current Relays Under Different Fault Conditions In Radial And Parallel Feeders - ISSN / ISBN No. 2454-5880**, Published: International Journal of Science and Technology, March-2017.
23. R. Durga Rao, Asst. Professor & Head, Department of EEE. JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) **Fuzzy Control Voltage Sag And Swell Compensation By Using DVR With BESS**, Page no's -4403-4408 ISSN: 2319-8885 Published: International Journal of Scientific Engineering and Technology Research, June-2017.
24. R. Durga Rao, Asst. Professor & Head, Department of EEE. JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) **New Topology Of HVDC For Its Enhancement Of AC/DC Interconnected Transmission Systems** page no's 1258-1262, ISSN: 2348-2370, published: International Journal of Advanced Technology and Innovative Research, June 2017.
25. R. Durga Rao<sup>1</sup> & K. Venkanna<sup>2</sup> · <sup>1</sup>Asst. Professor of EEE JNTUHCEJ-JAGITAL, <sup>2</sup>M.TECH, **Study Of Very Fast Transient Over-Voltages And Mitigation Techniques Of 1200kv Gas Insulated**

**Substation**, ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 7, Special Issue 1, Published: International Journal of Emerging Technology and Advanced Engineering, December 2017.

26.R. Durga Rao, Asst. Professor & Head, Department of EEE.JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) **Analysis Of VFTO Across Bushing In 765KV Gas Insulated Substation Using EMTP Software** - ISSN / ISBN No. 978-1-4799-4103-2/14, Published: IEEE Feb-2014.

27.R. Durga Rao, Asst. Professor & Head, Department of EEE.JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) **Modelling Of Power Quality Improvement For Grid Connected Multi Converter Fed Facts (MC-UPQC) Wind Turbine Energy System** page no's Global Journal of Modern Engineering Research, Volume-15, Issue-2. ISSN: 1429-4939,

28.R. Durga Rao, Asst. Professor & Head, Department of EEE.JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) **Integration of AC&DC Micro grids With the Extensive Power Management Scheme**, page no's 1215-1223, The International journal of analytical and experimental modal analysis, ISSN-0886-9367.

### Research Guidance

#### M.Tech / ME Projects Guided:

Awarded **13 M.Tech** projects and Guided more than **50 B.Tech** projects

Membership in Professional Bodies

- Life member of ISTE; LM 85703
- Life member of Systems Society of India; LM no:33213

#### Workshops, Conferences, Seminars, Symposia, FDP/Refresher courses attended

1. Three Day Online Workshop on **"Procedures & preparation of SSR for NAAC"** held from 21<sup>st</sup> April 2022 to 23<sup>rd</sup> April 2022 Organized by IQAC-JNTUH, Kukatpally, Hyderabad, Telangana State as a part of Golden Jubilee Celebrations of JNTUH.
2. AICTE sponsored Online Workshop on **"Inculcating Universal human values in Technical Education"** from 18<sup>th</sup> April to 22<sup>nd</sup> April 2020 Organized by AICTE Nelson Mandela marg, Vasant kunj, New Delhi.
3. Spoken Tutorial Project, IIT Bombay Sponsored FDP on **"Scilab"** from 01<sup>st</sup> May to 07<sup>th</sup> May 2020 Organized by Rajarshi Shahu Mahavidyalaya(Autonomous), Latur by Renuka Londhe.
4. MHRD sponsored **two weeks** FDP on **"Managing online classes and Co-creating Moocs: 2.0"** from 18<sup>th</sup> May to 03<sup>rd</sup> June 2020.
5. UGC sponsored short term course on **"Soft Computing Techniques – Renewable and electrical systems"** from 01-06-2020 to 06-06-2020.Organized by UGC-HRDC-JNTUH
6. MHRD sponsored FDP on **"Open source Tools for Research"** from 08<sup>th</sup> June to 14<sup>th</sup> June 2020.
7. Participated in Online FDP on **"AI Techniques to Electrical Engineering"** held from 06-07-2020 to 10-07-2020 organized by UGC- HRDC-JNTUH, Kukatpally, Hyderabad, T.S.
8. Two Day Online Workshop on **"Online Tools & Software for Remote Teaching-Learning"** held during 24<sup>th</sup> & 25<sup>th</sup> of April, 2020 Organized by UGC-HRDC, JNTUH, Hyderabad, TS
9. UGC sponsored Refresher Course on **"Energy Conservation and Management - Issues and Methodologies** from 18-11-2019 to 30-11-2019 conducted by UGC -Human Resource Development Centre, Jawaharlal Nehru Technological University Hyderabad held at UGC-HRDC, JNTUH, Kukatpally, Hyderabad, Telangana State, India.

10. Participated in the Two-Day Workshop on **“Real Time Simulations Of Electrical Systems”** during 17<sup>th</sup> to 18<sup>th</sup> August 2018, Organized by Department of EEE, JNTUH.
11. Participated in UGC Sponsored Summer school on **“Strategies for Research Oriented Teaching”**, UGC HRDC JNTUH, HYDERABAD, 05-06-2017 to 24-06-2017 (03 Weeks), UGC Sponsored.
12. Three Days Workshop on **“Faculty- Mentors on Induction Programme for New Students”** the event was Organized by Government engineering College Raipur in Association with National Project Implementation Unit(NPIU), Delhi during September 4<sup>th</sup> to 6<sup>th</sup> 2017 under TEQIP-III
13. **One Day National Level Workshop on Outcome based Education & Accreditation**, Conducted by Department of CSE, JNTUH CEJ on 19<sup>th</sup> October 2016.
14. **Three Day Workshop on Power System – Theory and Practice at a glance**, JNTUH CEJ, 02-11-2016 to 04-11-2016 (03 Days), JNTUH College of Engineering Jagtial, Telangana State, India Sponsored.
15. **Two Days Workshop Simulation and Analysis of Power System Transients using EMTP-RV Software”** by Powersys 22<sup>nd</sup> 23<sup>rd</sup> December 2016. Chennai, India.
16. Participated in **One Week** National Level Workshop on **Big Data Analytics**, JNTUH College of Engineering, Nachupally (Kondagattu), Karimnagar, Telangana State- 505501, Organized by Department of CSE 14-12-2015 to 20-12-2015(01 Week), UGC Sponsored.
17. Participated in a pre- Conference Workshop on **Advanced Computing and Pattern Recognition-2014 (ACPR-2014)** held on 7<sup>th</sup> Jan 2014 Organized by JNTUHCEJ Nachupally(Kondagattu), Karimnagar(Dist).
18. Mr.R.Durga Rao, Participated in National Youth Policy 2014, as an **NSS Volunteer** at JNTUH, from 21-02-2014 to 24-02-2014, Ministry Of Youth Affairs & Sports & Rajiv Gandhi Khel Abhiyan Rally.
19. **Mr.R.Durga Rao**, Participated in **28<sup>th</sup> Orientation Course**, Organized by UGC ACADEMIC STAFF COLLEGE, JNTUH, 21-05-2012 to 16-06-2012, and obtained Grade “A”.
20. **Research Methodology**, JNTUH, 16-01-201to 21-01-2012 (01 Week), UGC Sponsored.
21. **High Voltage Testing Measurements & Gas Insulated Substations**, JNTUHCE, 12-12-2011 to 24-12-2011, AICTE Sponsored.
22. A Two Day National Workshop on **“Perspectives In Teaching – A Multi Dimensional Approach To Pedagogical Skills In Professional Teachers”** Conducted from 1<sup>st</sup> to 2<sup>nd</sup> April 2011 by the Department of English & Humanities, JNTU CEJ, Nachupally (Kondagattu), Karimnagar.
23. Three Day National Level Workshop on **“Simulation of Electrical Systems using MATLAB”** Organized by Department of EEE Form 1<sup>st</sup> to 3<sup>rd</sup> December, 2010
24. **Simulation tools for Electrical Engineering Applications**, UGC ACADEMIC STAFF COLLEGE JNTUH, Hyderabad, 06-12-2004to25-12-2004(03 Weeks), UGC Sponsored.
25. Completed **Scilab** test organized by Rajarshi Shahu Mahavidyalaya (Autonomous), Latur by Renuka Londhe with course material provided by the Spoken Tutorial Project, IIT Bombay.



1. Course Coordinator Two- Week Online Refresher Course on “**AI Techniques – Electrical Engineering**” scheduled from 22/11/2021 to 04/12/2021 organized by UGC –HRDC, JNTUH, Kukatpally, Hyderabad, through online.
2. Mr.R.Durga Rao, Asst.Prof& HOD of EEE, JNTUH, Manthani, Resource person for DST-ICPS sponsored two week faculty development program on **Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL)** Organized by Department of EEE, Session was **Applications of Artificial Intelligence (AI) techniques in Electrical Machines and Power Systems** on 01.02.2020.
3. Course Coordinator Two Week FDP on“**Emerging Trends In Renewable Energy Sources And Energy Management**” Organized by UGC-Academic Staff College, JNTUH, 09-06-2014 to 28-06-2014, UGC Sponsored.

### International Conferences

1. R. Durga Rao, Associate. Professor & Head, Department of EEE.JNTUH COLLEGE OF ENGINEERING MANTHANI, Series “**Advances in Engineering Research**” at Second International Conference on Emerging Trends in Engineering, (ICETE 2023), ISBN:10.2991/978-94-6463-252-1\_72., 9<sup>th</sup> November 2023.
2. R. Durga Rao, JNTUHCE, Manthani, Presented a paper entitled “**Efficiency Optimization and Power Quality Enhancement in Power Conversion System with SEPIC and PI Control Design**” 2<sup>nd</sup> International Conference on Emerging Trends In Engineering (ICETE) Organized by Alumni Association University College of Engineering, Osmania University 28<sup>th</sup> &30<sup>th</sup> April 2023.
3. R. Durga Rao, Asst. Professor & Head, Department of EEE.JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) “**Improvement of Dynamic Performance of DFIG Based Wind Turbine**” at International Conference on Recent Innovations in Electrical and Electronics Engineering, ICRIEEE-17, organized at JNTUH, Hyderabad on 29<sup>th</sup> -30<sup>th</sup> December 2017.
4. R. Durga Rao, JNTUHCE, Jagityal, Presented a paper entitled “**Study of Very Fast Transient over-Voltages and Mitigation Techniques of 1200kv Gas Insulated Substation**” International Conference on Recent Innovations in Electrical and Electronics Engineering, Organised by Department of EEE,JNTUH 29<sup>th</sup> &30<sup>th</sup> December 2017.
5. R. Durga Rao and Dr. Amarnath, “**Analysis of VFTO across bushing in 765kV GIS**”, International Conference on smart electric grid-2014(ICSEG-2014) ISBN:978-1-4799-4103-2/14/2014IEEE.

### National Conferences

1. R. Durga Rao, Asst. Professor & Head, Department of EEE.JNTUH COLLEGE OF ENGINEERING MANTHANI, [durgarao@jnuh.ac.in](mailto:durgarao@jnuh.ac.in) “**A Practical case study of PVSOL system**” at **National Energy Conservation Week - 2018**, organized by Energy Conservation Mission, The Institute of Engineers in association of Telangana State Renewable Energy Development Corporation Ltd., Hyderabad on 14<sup>th</sup> December 2018.
2. R. Durga Rao, Presented a paper entitled “**Forecasting of Power Using Neuro-fuzzy Ideology**” in the National Conference on Advanced Computing and Pattern Recognition-2014 (ACPR-2014) held on 8<sup>th</sup> and 9<sup>th</sup> Jan 2014.
3. R.Durga Rao, Asst. Professor EEE, JNTUHCEJ, Presented a paper entitled “**Comparison between suppressing approaches of VFTO’s in GIS using EMTP Software**” in 38<sup>th</sup> National Systems Conference (NSC-2014) conducted by Department of Electrical &Electronics Engineering in Collaboration with the Departments of Electronics& Communication Engineering and Computer Science and Engineering,JNTUH College of Engineering Hyderabad during. - **ISSN / ISBN No. 978-935107297-3**, Published: ELSEVIER 5<sup>th</sup> & 7<sup>th</sup> Nov-2014.
4. R.Durga Rao, Asst. Professor EEE, JNTUHCEJ, Presented a paper entitled “**Comparison between suppressing approaches of VFTO’s in GIS using EMTP Software**” &Awarded Technical (Session)-IV: Power System –I, in 38<sup>th</sup> National Systems Conference (NSC-2014) conducted by Department of Electrical &Electronics Engineering in Collaboration with the Departments of

5. R.Durga Rao, Asst. Professor, JNTUH College of Engineering, Karimnagar-505501(AP) Participated in the National Conference on **“Gas Insulated Substations”** Organized by Central Electricity Authority & Central Board of Irrigation and Power, New Delhi held on 28<sup>th</sup> February-1<sup>st</sup> March, 2013.
6. R. Durga Rao, Asst. Professor of JNTUHCEJ, Nachupally **“Suppression Of Very Fast Transient Over-Voltages In Gas Insulated Substations”** “Authored by K.SRAVAN KUMAR, R.DURGA RAO, Dr.J. AMARNATH in the National Conference on Advances and Applications in Power Systems, Power Electronics and Solar Energy (AAPPS-13) Organized by the Department of Electrical & Electronics Engineering on 24<sup>th</sup> & 25<sup>th</sup> October 2013.
7. R. Durga Rao, Asst. Professor of JNTUHCEJ, Nachupally **Wavelet Analysis Of Very Fast Transient Over Voltages And Currents In A 245kv Gis**, Authored by R.DURGA RAO, Dr.J. AMARNATH, in the National Conference on Advances and Applications in Power Systems, Power Electronics and Solar Energy (AAPPS-13) Organized by the Department of Electrical & Electronics Engineering on 24<sup>th</sup> & 25<sup>th</sup> October 2013.
8. R. Durga Rao, Asst. Professor Of JNTUHCEJ, Nachupally, **Analysis of Robust Damping Controller For An Hv-Dc System Using Loop Shaping Procedure**, Authored By R.Durga Rao, Dr.J.AMARNATH, A.VAISHANAVI, In The National Conference On Advances And Applications In Power Systems, Power Electronics And Solar Energy (AAPPS-13) Organized By The Department Of Electrical & Electronics Engineering On 24<sup>th</sup> & 25<sup>th</sup> October 2013.
9. R. Durga Rao, Asst. Professor of JNTUHCE, Jagityal Presented paper entitled **“Analysis & Comparison of SVPWM & SPWM Controlled 2- level inverter fed 3-Im”** in the conference, jointly organized by the department of Electronics and Communication Engineering& Electrical and Electronics Engineering, on 29<sup>th</sup> 30<sup>th</sup>, April-2011.
10. R. Durga Rao, Asst. Professor of JNTUHCE, Nachupally (Kondagattu), Karimnagar has Participated/ Presented a Paper (Oral/Poster) at the **“National Conference On Physics Of Nanotechnology”** Conducted from 9<sup>th</sup> to 11<sup>th</sup> feburubary, 2011 by the Department of Physics, College of Engineering, Nachupally (Kondagattu), Karimnagar(Dist)., A.P.

**Dr.R.Durga Rao.**