

CURRICULUM VITAE



Name : **Dr V.USHA REDDY**

Father's name : Dr V. C. Veera Reddy

Age and Date of Birth : 41 Years/ 31-07-1982

Sex : Female

Marital Status : Married

Nationality : Indian

Religion : Hindu

Designation : Assistant Professor(Senior)

Scale of Pay : 79800-211500

Specialization : Power Systems

Languages Known : Telugu, English and Hindi

Official Address : Associate Professor
Department of Electrical & Electronics
Engineering
Sri Venkateswara University College of Engineering
Tirupati- 517502, Andhra Pradesh, India.

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Academic Qualifications

Course	College/University	Year	% Marks
Ph. D.	JNTU College of Engineering, Hyderabad	2008-2016 (Part Time)	-
M. Tech	Sri Venkateswara University College of Engineering, Tirupati	2005-2007	78
B. Tech	Sree Vidyanikethan Engineering College, Affiliated to JNTUH, Tirupati	1999-2003	75

Project Profile

Ph. D thesis : Novel Techniques for Loss Reduction in Distribution Systems

M. Tech Thesis : Sensor less BLDC Motor

B. Tech : Design of Line Echo Canceller

Posts Held

Worked as Assistant Professor, Department of Electrical & Electronics Engineering, Sri Venkateswara University College of Engineering, Tirupati, from 3rd July 2007 to 2nd May 2021.

Teaching Experience

Assistant Professor -14 years

Associate Professor - 2 years

Administrative Positions/ Academic positions

National level

- Acted as reviewer for **INSPIRE AWARDS-MANAK** for year 2020-21, 2021-22, 2022-23 National Innovation Foundation-India.

State level

- Observer for VRO exams(2015)
- Observer for GET examinations(Dec 2014)
- Presiding officer in general elections(May 2014)

University level

- Deputy Warden(Women's hostel) - From July 2017 to Dec 2020
- BOS Member (UG)(2009 to 2022)
- BOS Member (PG)(2009 to till date)
- Member of Inspection Commission(19.5.2016)
- Biometric Implementation Committee member(30.10.17 to 2019)
- Department coordinator for Alumni Cell(18.4.2016 to till date)
- NAAC steering committee member(April 2014)
- Ragging committee member(2008 to till date)
- Verification officer(2.4.19 to 4.4.19)

Institute level

- College Website Committee Member
- Institute's Innovation Cell member(2019 to till date)
- ARIIA Coordinator(2022 to till date)
- NIWE Inspection and Maintenance Coordinator(June 2022 to till date)
- College Maintenance Committee member(2013 to till date)
- Industry Institute Interaction(Consultation) Committee(August 2018 to till date)
- Internal Compliance Committee member(Jan 2020 to till date)
- Organizing committee member for Rhapsody(May 2022)
- Hostel Disciplinary committee member for Rhapsody(May 2022)
- Talents day Committee member(Feb 2020)
- Technical Evaluation committee member for TEQIP-III
- Disciplinary committee member for Rhapsody 2019
- Stage Decoration and Felicitation Committee member for diamond Jubilee celebrations March 2019.
- Organizing committee member for talents day(March 2019)
- Disciplinary committee member for Rhapsody(2019)
- Disciplinary committee member for Rhapsody 2018
- Reception Committee member for NBA-PG (28-30 April 2017)
- Campus Beautification Committee for NBA-PG(28-30 April 2017)
- Disciplinary committee member for Rhapsody(2017)
- Reception Committee member for NBA-UG(21-23 Oct 2017)
- Campus Beautification Committee for NBA-UG(21-23 Oct 2017)
- Disciplinary committee member for Rhapsody(2016)
- Talents day Committee member(Dec 2015)
- Member for Faculty Get together event(Dec 2014)
- Strategic Planning document committee member for TEQIP(Oct 2014)
- Equity Assurance Plan Committee member for TEQIP(2012)

Department level

- NBA coordinator(UG)(2018-till date)
- Timetable Coordinator(2020-till date)
- Electrical Measurements Lab in-charge(2010 to till date)
- Electrical Circuits Lab in-charge (2020 to till date)
- Time table committee member (2011 to 2020)
- NAAC Assistant Coordinator(July 2013 to 2021)
- Electrical Stores in-charge(2013 to till date)
- Technical Committee member for E-BLAZE(22nd-23rd March 2019)
- Technical Committee member for E-BLAZE(14th-15th March 2018)

Other extension/cultural/co-curricular Activities

- Acted as **Judge** for SPMVV Tech fest(July 2023)
- Acted as **Judge** for Singing in Rhapsody (May 2022)
- Acted as **Judge** for Rangoli in Rhapsody (May 2022)
- Acted as **Session Chair International Conference** at SVNE(26th-28th February 2020)
- Acted as **Judge** for Singing in Rhapsody (April 2019)
- Acted as **Judge** for Rangoli in Rhapsody (April 2019)
- Acted as **Session Chair Annamacharya Talent Meet-19** at Annamacharya Institute of Technology, Rajampet(14th-16th February 2019)
- Acted as **resource person** for seminar evaluation in the Refresher Course in general Studies organized at UGC-HRDC, S V University on 04.02.2019.
- Acted as **resource person** for seminar evaluation in the Refresher Course in Entrepreneurship organized at UGC-HRDC, S V University on 29.09.2018.
- Acted as **resource person** for seminar evaluation in the Refresher Course in Environmental Studies organized at UGC-HRDC,S V university on 20.08.2018 and 21.08.2018
- Acted as **resource person** for seminar evaluation in the 80th Orientation Programme organized at UGC-HRDC, S V University on 18.08.2018.
- Acted as **Judge** for Elocution competition on Green technology, Swatch Andhra for Gnanabheri held on 2nd, August,2018
- Acted as **Judge** for Extempere in E-BAZE (14th-15th March 2018)
- Acted as **Session Chair** in ICGPTPG conference At SVUCE(16th-18th Nov 2016)
- Acted as **Session Chair NCRAIPES-16** conference At Annamacharya Institute of Technology, Rajampet(25th-26th April 2016)
- Acted as **Judge** for Singing in Rhapsody (11th-13th April 2015)
- Acted as **Judge** in ACE TECHZION 2k15 conference at Adithya College of Engineering, Madanapalle (27th-28th Feb 2015)

Patent applied

- Patent applied for “**Machine Learning based cyber security system for smart grids**” by Dr muralidhar Nayak, **Dr V.Usha Reddy**, Dr Surekha Lanka, Dr Manish Kumar. Published in Patent office journal.

Fellowships

- Associate Fellow in Andhra Pradesh Academy of Sciences(APAS)

Professional/Association body Memberships

- Institute of Engineers(MIE)
- ASCI
- ISCA
- ISTE
- IEEE
- SVUTA
- SVUWTA

Reviewer for Inspire Awards

- Acted as reviewer for **INSPIRE AWARDS-MANAK** for year 2020-21, National Innovation Foundation-India.

Courses Offered

U.G Courses

- DC Machines and Transformers
- Power systems-I
- Energy Management and Auditing
- Power Systems -III
- Electro Mechanical Energy Conversions-I
- Electrical Machines-I
- Renewable Energy Sources
- Electrical Measurements
- Power System Analysis
- Electrical Technology
- UNIX and MATLAB
- Computer Methods in Power System Analysis
- Electrical Machine Design

P.G Courses

- Operation and Control of Interconnected Power systems
- Renewable Energy Sources
- Electrical Distribution Systems
- Computer Methods in Power Systems
- Energy Auditing, Conservation and management

NPTEL Online certification

Power System Engineering (12 week course Jan-Apr 2019) –ELITE

Electrical Machines (12 weeks Course-2021)

Course Era Online Certification

Data Science Math Skills (4 week course April 2020)

Cloud Computing Basics (4 week course April 2020)

Introduction to Personal Branding (4 week course April 2020)

Skill Development Program(Skill APSSDC and Pantech e Learning)

30 Days Master class on Artificial Intelligence (23.11.22 to 22.12.22)

Research Experience

Completed Ph.D., under part-time basis under the guidance of **Dr. T.Gowri Manohar**, Professor, Department of Electrical & Electronics Engineering, S.V.U. College of Engineering, Tirupati in March 2016 in the field of **“Loss Reduction in Distribution Systems”**.

Project Works Guided (M. Tech): 43

Ph. D Guidance(pursuing): 4 (Part Time-3, Full Time-1)

Patents applied:

“Machine Learning based cyber security system for smart grid” Dr. Muralidhar Naik B, **Dr. V. Usha Reddy**, Dr. Surekha Lanka & Dr. Manish Kumar , (Application number-202011051586)

Short Term Course organized: 1

Workshops organized: 3

International conference organized: 1

Seminar organized: 1

Techhack organized: 1

Guest lecture organized: 1

Guest Lectures: 2

Conferences/Workshops/Faculty Development Programs Attended: 78

Short Courses/Summer/Winter Schools Attended: 09

NPTEL certification Course: 2

Course Era Certification Courses: 3

Skill Development Program-1

Book Published:1

“Novel Techniques for loss reduction in distribution systems”, Vyza Usha Reddy, Lambert Publications, International Publishers, ISBN: 978-613-9-81567-8.

Guest Lecture:

- Guest lecture as resource person in a one day workshop on “**Artificial Intelligence Techniques and Simulations for Power systems**” at KSRRM College of Engineering, Kadapa on 14.09.2018
- Guest lecture on “**Smart cities**”, at Annamacharya Institute of Technology and Science, Tirupati on Feb 21st, 2017, FETA function.

Research Publications:

International Journal Publications: 56

Conference Publications: 10(International- 9, National- 1)

International Journal Publications:

2023-24

2022-23

1. G. Sruthi and **Dr V. Usha Reddy**, “Performance analysis of ANFIS controller based VSC in grid connected solar PV system”, *Indian Institute of Industrial Engineering*, ISSN:0970-2555, Vol. 52, Issue 5, pp. 111-122, May 2023(UGC Care List-I).
2. Vandana R and **Dr V. Usha Reddy**, “Designing an ANFIS controller based Micro grid system for sustainable energy optimization in remote areas”, *Indian Institute of Industrial Engineering*, ISSN:0970-2555, Vol. 52, Issue 5, pp. 129-139, May 2023(UGC Care List-I).
3. A. Suresh Kumar and **Dr V. Usha Reddy**, “Performance Evaluation of Spider Web Tie(S-B-T) PV panel configuration to reduce PV mismatch losses”, *Mathematical modeling of Engineering Problems(IETA Journal)*, Vol.10,N0.1,pp. 383-387, February 2023(**Scopus** Indexed Journal).
4. Kuragayala Kalyan and **Dr V. Usha Reddy**, “A Novel ANFIS controller for enhanced operation of wind turbine based PMSG system during unbalanced grid voltage conditions”, *International Journal of Emerged technologies and Innovative Research(JETIR)*, Impact Factor (SJIF): 7.95,ISSN:2349-5162, Vol.10, Issue 2, pp. c599-c613, February 2023(UGC Care list-I).
5. C. Deepak and **Dr V. Usha Reddy**, “Optimization of Radial distribution systems in the presence of DG by network reconfiguration using Spotted hyena optimizer algorithm”, *International Journal of Emerged technologies and Innovative Research(JETIR)*, Impact Factor (SJIF): 7.95,ISSN:2349-5162, Vol.10, Issue 1, pp. c749-c757, January 2023(UGC Care list-I)

2021-22

6. S. Bhaskar, **Dr V. Usha Reddy**, “Performance of Battery and SMES Based Dynamic Voltage Restorer to Enhance Voltage Sag in Grid Connected Hybrid PV-Wind Power System”, *Mukt Shabd Journal*, Impact Factor (SJIF): 4.6,

ISSN no: 2347-3150, Vol.11, Issue. 2, pp. 75-89, February 2022(UGC CARE Group-I list journal)

7. M. Mounika, **Dr V. Usha Reddy**, "Design and Implementation of PV Integrated UPQC with ANFIS Controller", *Mukt Shabd Journal*, Impact Factor (SJIF): 4.6, ISSN no: 2347-3150, Vol.11, Issue. 2, pp. 90-106, February 2022 (UGC CARE Group-I list journal)
8. K. Sai Swathi, **Dr V.Usha Reddy**, "Voltage Sag Compensation using SMES based DVR Technology with ANFIS Controller", *Mukt Shabd Journal*, Impact Factor (SJIF): 4.6, ISSN no: 2347-3150, Vol.11, Issue. 2, pp. 107-116, February 2022 (UGC CARE Group-I list journal).
9. A.Suresh Kumar, **Dr V. Usha Reddy**, "Performance Evaluation of PV Panel Configurations Considering PSC's for PV Standalone Applications", *Journal Europ'een des Systems Automatis'es (JESA)*, Impact Factor (IF) : 1.218, ISSN: 1269-6935(print), 2116-7087(online), Vol .54, N0.6, December 2021, pp. 847-852.(**Scopus** Indexed Journal)

2020-21

10. N.Mohan, **Dr V.Usha Reddy**, "Design and Analysis of Fractional Order PID Control for Three Phase Stand Alone Hybrid PV-Wind Generation", *Mukt Shabd Journal*, Impact Factor: 4.6, ISSN No. : 2347-3150, Volume 10, Issue 3, pp-828-839, March 2021, (UGC Care list Group-I Journal).

2019-20

11. S. Karunakar Babu and **Dr V. Usha Reddy**, "Implementation of Maximum Power Point Tracking Technique based on ANFIS controller for the Photovoltaic Systems", *The International Journal of Analytical and Experimental Modal Analysis(IJAEMA)*, Impact Factor (SJIF): 6.3, ISSN no: 0886-9367, Vol.XII, Issue. 1, pp. 344-355, January 2020(UGC CARE list journal)
12. M. Bhagyasree and **Dr V. Usha Reddy**, "Frequency Regulation of Wind Power Generator and PHEVs for Micro grid by using Centralized control and Fuzzy System", *Compliance Engineering Journal (CEJ)*, Impact Factor (SJIF): 6.1, ISSN no: 0898-3577, Vol.11, Issue. 1, pp. 103-116, January 2020(UGC CARE list journal)
13. M. Santhosh Kumar and **Dr V. Usha Reddy**, "Analysis of transformer less UPFC based on fuzzy controller", *Journal of Engineering Sciences(JES)*, Impact Factor(SJIF) :6.54, ISSN no: 0377-9254, Vol.10, Issue no.12, pp. 1111-1122, December-2019(UGC CARE list Group –II journal).

2018-19

14. P.Haritha, **Dr V.Usha Reddy**, P.Dinakara Prasad Reddy, "Optimal Network Reconfiguration using BPSO in Distribution Systems", *International Journal of Technical Innovation in Modern Engineering and Science(IJTIMES)*, Impact Factor: 5.22 (SJIF-2017), e-ISSN: 2455-2585 Volume 4, Issue 9, pp.332-342, September-2018(UGC journal).

15. Malli Kailash, **Dr V.Usha Reddy**, “ANFIS model method for wide range operation of High Speed BLDC motor”, *International Journal of Technical Innovation in Modern Engineering and Science(IJTIMES)*, Impact Factor: 5.22 (SJIF-2017), e-ISSN: 2455-2585 Volume 4, Issue 11, pp.51-58, November-2018(UGC journal).

2017-18

16. D. Ravi, **Dr V. Usha Reddy**, P. Dinakara Prasad Reddy, “Load Flow analysis for unbalanced radial distribution systems”, *International journal of Electrical, Electronics and Computer Science Engineering (IJECESE)*, Vol. 5, Issue 1, pp.no. 18-23, February 2018.ISSN : 2348-2273,Impact Factor: **4.255**
17. S. Mubeena, **Dr V. Usha Reddy**, P. Dinakara Prasad Reddy, “Optimal planning using WOA for the capacitor placement in the presence of PV systems in Distribution networks”, *International journal of Electrical, Electronics and Computer Science Engineering (IJECESE)*, Vol. 5, Issue 1, pp.no. 10-17, February 2018.ISSN : 2348-2273,Impact Factor: **4.255**
18. I. Asrija, **Dr V. Usha Reddy**, P. Dinakara Prasad Reddy, “Economic analysis of hybrid PV-Biomass energy system using Bat algorithm”, *International journal for research in Applied Science and Engineering Technology (IJRASET)*, Vol. 6, Issue 1, pp.no. 1336-1444, January 2018.

2016-17

19. P.Suneel and **Dr V. Usha Reddy**, “Monitoring And Controlling Of Electrical Loads From The Substation By Using Zigbee Technology”, *International Journal Of Engineering Sciences & Research Technology(IJESRT)*, Vol. 6, Issue 3, pp.1-9, March 2017, ISSN: 2277-965.Impact Factor: **5.164**
20. G.Rakesh Kumar and **Dr V.Usha Reddy**, “Three phase four switch inverter fed induction motor drives with DC link voltages offset suppression by using Fuzzy logic controller”, *International Journal Of Advanced Research In Electrical, Electronics And Instrumentation Engineering(IJAREEIE)*, Vol. 6, Issue 1, pp.133-144,January 2017, ISSN: 2278-8875.Impact Factor: **6.392**
21. Vamsikrishna Reddy. K, **Dr V. Usha Reddy**, “Improvement of Photovoltaic Systems with Cascaded Modular Multilevel Converters using FLC in DC-DC Converter Controller”, *International Journal of Scientific Engineering and Technology Research(IJSETR)*, Vol. 05, Issue 47, pp. 9610-9616,December 2016, ISSN 2319-8885.Impact Factor: **3.59**

2015-16

22. Lakshmikar Reddy Depuru and **V. Usha Reddy**, “Fuzzy Logic Controller based Automatic Generation control of Multi Area Power System”, *International Journal of latest Trends in Engineering and Technology(IJLTET)*, Vol. 6, Issue 3, pp. 529-535, January 2016,ISSN: 2278-621X.Impact Factor: **4.49**
23. P. Manasa and **V. Usha Reddy**, “A PV based DG integrated SSSC with Fuzzy logic controller for Wide Area Power oscillation damping with

communication delays”, *International Journal of Advanced Technology and Innovative Research(IJATIR)*, Vol. 07, Issue 18, pp. 3543-3548, December 2015, ISSN: 2348-2370.

24. Ch. Silpa and **V.Usha Reddy**, “Power loss reduction in distribution systems using Autonomous Group Particle Swarm optimization algorithm”, *International Advanced research Journal in Science, Engineering and Technology(IARJSET)*, Vol. 2, Issue 11, pp. 134-138, November 2015, ISSN 2393-8021. Impact Factor: **5.509**
25. K. Chandana, **V. Usha Reddy** and Dr T.Ramashri, “ Novel image fusion technique using dual tree complex wavelet transform based Laplacian Pyramid decomposition”, *International Journal of Engineering Research and Technology(IJERT)*, Vol. 4, Issue 11, pp. 227-232, November 2015, ISSN 2278-0181.
26. K. Subbarami Reddy and **V.Usha Reddy**, “Optimal placement of DSTATCOM in radial distribution system using fuzzy and Penguins search optimization algorithm”, *International journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering(IJIREEICE)*, Vol. 3, Issue 11, pp. 102-106, November 2015, ISSN 2321-2004.
27. G. Vara Lakshmi and **V.Usha Reddy**, “Design of Self Renewable Energy Residential System by using optimization techniques”, *International journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering(IJIREEICE)*, Vol. 3, Issue 11, pp.95-101, November 2015, ISSN 2321-2004. Impact Factor: **6.323**

2014-15

28. G. Vani and **V.Usha Reddy**,” Application of Smart energy meter in Indian Energy Context”, *IOSR journal of Electrical and Electronics Engineering (IOSR-JEEE)*, Vol. 10, Issue 3, ver. III(May-June 2015), pp 07-13.
29. P.V.Pradeep Reddy, **V.Usha Reddy**, “Many Optimizing Laisons based Assessment of PID controller performance for Automatic Generation Control”, *International Journal of Science, Engineering and Technology Research(IJSETR)*, Volume 4, Issue 4, pp. 689-693, April 2015, ISSN:2278-7798.
30. G. Sankarababu, **Smt V.Usha Reddy**, ”Fuzzy logic control based standalone Wind Energy Conversion System for DC base telecom loads”, *International Journal of Innovative Research in Electrical ,Electronics, Instrumentation and Control Engineering*, Vol.3, Issue 4, pp.121-126, April 2015, ISSN 2321-2004.

31. P.Hari Krishna, **V. Usha Reddy**, "Optimal location of UPFC for voltage stability using Particle Swarm Optimization", *International Journal for Innovative Research in Science and Technology(IJIREET)*, Vol.1,Issue 11,pp.232-238, April 2015,ISSN:2349-6002.

2013-14

32. S. Anusha, **V. Usha Reddy**, " Optimal TCSC placement using Harmony Search algorithm in transmission system for loss minimization", *International Journal of Advanced Research in Electrical and Electronics Engineering*, Vol.2,Issue 2, ,April 2014,ISSN: 2321-4775.
33. G. Supraja, **V. Usha Reddy**," Optimal location of SMES for Improving Power System Voltage Stability using PSO algorithm", *International Journal of Advanced Research in Electrical and Electronics Engineering*, Vol.2,Issue 2,pp. 30-36, April 2014,ISSN: 2321-4775.
34. Ms V.Anusha, **Ms V. Usha Reddy**, Dr T. Ramashri, "Content based image retrieval using color moments and texture", *International Journal of Engineering Research and Technology*, Vol. 3,Issue 2, February 2014, pp 2812-2815.

2012-13

35. **V. Usha Reddy**, Dr T. Gowri Manohar, "Optimal Capacitor Placement for loss reduction in Distribution Systems using Cuckoo Search Algorithm", *ITSI Transactions on Electrical and Electronics Engineering*, Vol. 1,Issue 2,2013,pp 68-70.
36. **V. Usha Reddy**, Dr T. Gowri Manohar, P.Dinakar Prasad Reddy "Optimal capacitor Placement for Loss Reduction in Distribution Systems by using Bat Algorithm", *International Journal of Electrical Engineering & Technology (IJEET)*, vol 4, Issue 2,March-April 2013,pp 338-343.
37. **V. Usha Reddy**, S. Deepika Choudary, "Detection and Mitigation of Power Quality Disturbances Using DWT technique and DVR", *International Journal of Engineering Research and Applications(IJERA)*, Vol.2,Issue 6,November-December,2012,PP.766-771.
38. **Mrs V. Usha Reddy**, A.Manoj, "Optimal Capacitor Placement for loss reduction in Distribution Systems using Bat Algorithm", *IOSR Journal of Engineering(IOSRJEN)*, Vol 2,Issue 10,October 2012,pp 23-27.

2011-12

39. A.V.Padmaja and **V. Usha Reddy** "Application Of Wavelet Transform For Monitoring Short Duration Disturbances In Distribution System", *International Journal of Electrical Engineering and Technology*

(IJEET), Volume 3, Issue 1, January- June (2012), pp. 97-107, ISSN:0976-6543(print) and ISSN:0976-6553(online).

40. **V. Usha Reddy**, Dr T. GowriManohar, P.Dinakar Prasad Reddy “Capacitor Placement for loss reduction in radial distribution networks:A two stage approach”, *Journal of Electrical Engineering*, vol. 12, no.2, pp. 114-119, March- June. 2012.
41. **V. Usha Reddy**, Dr T. GowriManohar, M.Ramprasad Reddy, P.Dinakar Prasad Reddy, “Application of Differential Evolution Algorithm for loss reduction in radial distribution systems”, *Research Journal of Engineering and Technology*, vol. 4, no.4, pp. 21-25, Oct- Dec. 2011.
42. Dr.M.PadmaLalitha , Dr.V.C.Veera Reddy, N.Sivarami Reddy,**V.Usha Reddy** “DG source allocation by fuzzy and clonal selection algorithm for minimum loss in distribution system”,*Distributed Generation and Alternative Energy journal*, Vol. 26,No.4, Nov 2011,pp. 17-35(**Taylor & Francis Journal**).
43. **V.Usha Reddy** and G.Naveen Kumar,”Performance of stability of an excitation system with time delays using PID Controller”,*International Journal of Electrical Energy Systems*,Vol.3,no.2,July-Dec 2011,pp. 71-75.
44. M.Kishore Kumar and **V.Usha Reddy**,”Plant Growth Simulation Algorithm for optimization of distribution network configuration”, *Global Journal of Engineering and Applied Sciences*,vol.2,issue 1,pp 94-97,2011.
45. **V. Usha Reddy**, S. Jayachandra "An Adaptive Distance Relay Setting for EHV/UHV Power Transmission Line", *International Journal of Power System Operation and Energy Management*, Vol 1, Issue 2, 2011, pp 51-59.
46. **V.Usha Reddy**, DrT.GowriManohar "Optimal Capacitor Placement For Loss Reduction in Distribution Systems using Fuzzy and Differential Evolution" *IFRSA'S International Journal of Computing*,Vol.1,Issue 3,July 2011,pp 535-540.
47. Dr.M.PadmaLalitha , Dr.V.C.Veera Reddy, N.Sivarami Reddy**V.Usha Reddy** “A two stage methodology for siting and Sizing of DG for minimum loss in radial distribution system using RCGA” *International Journal Of Computer Applications*, Vol. 25,No.2, July 2011,pp. 10-16.

2010-11

48. P.Dinakar Prasad Reddy, **V.Usha Reddy** "Fuzzy-Differential Evolution Method for Optimal Capacitor Placement in Distribution Systems" *Journal on Electrical Engineering*, i- manager publications, Vol. 4,No. 3,January-March 2011,pp 54-58.

49. **UshaReddy.V**, Dinakar Prasad Reddy.P “Differential Evolution Method for capacitor placement of distribution Systems”, *International Journal of Advanced Engineering Sciences and Technologies*, Vol.4, Issue 2, 2011, pp 023-028.
50. Mrs. M. Padma Lalitha, Dr. V.C. Veera Reddy, **V.Usha Reddy**, “DG Placement for maximum loss reduction in Radial Distribution System: A two stage method”, *International Journal of Integrated Energy Systems*, Vol.2, July–Dec 2010, pp 105-111.

2009-10

51. Mrs. M. Padma Lalitha, Dr. V.C. Veera Reddy, **V.Usha Reddy** “Application Of Fuzzy And PSO For DG Placement For Minimum Loss In Radial Distribution System”, *ARPJournal Of Engineering And Applied Sciences*, Vol.5, Issue 4, April, 2010, pp.30-37
52. Mrs. M. Padma Lalitha , Dr.V.C. Veera Reddy, **V. Usha Reddy** “Optimal DG Placement For Minimum Real Power Loss In Radial Distribution Systems Using PSO”, *Journal Of Theoretical And Applied Information Technology* , Vol.13, No.2, March, 2010, pp.107-116.
53. Mrs. M. Padma Lalitha , Dr.V.C.Veera Reddy, **V. Usha Reddy** “Application of Fuzzy and RCGA for DG Placement for maximum savings in Radial Distribution System ”, *International Journal of Emerging Technologies and Applications in Engineering ,Technology and Sciences*, Vol.3, Issue 1, Jan-June 2010, pp.447-453.
54. Mrs M.Padma Lalitha , Dr.V.C. Veera Reddy, N.Subash Chandra Bose, **V.Usha** “DG Placement Using Fuzzy For Maximum Loss Reduction In Radial Distribution System” *International Journal Of Computer Applications In Engineering, Technology And Sciences*, Vol. 2, Issue1, Oct 09-March 2010, pp. 50-55.
55. Mrs.M.PadmaLalitha , Dr.V.C.Veera Reddy, N.Subash Chandra Bose, **V.Usha** “Optimal DG Placement For Loss Reduction In Radial Distribution System” *International Journal Of Emerging Technologies And Applications In Engineering, Technology And Sciences*, Vol. 2, Issue 2, July-Dec 2009, pp. 719-723
56. C. Sasikala, V. C. Veera Reddy, **V. Usha Reddy**, P. BhavaniSankar ”Closed Loop Controlled Interline Power Flow Controller System” , *International Journal of Mathematical Sciences and Engineering Applications*, Vol. 3, No.II(2009), pp.299-309.

Conference Publications: **International**

2022-23

1. B. Pavan Kumar Reddy, **Dr V. Usha Reddy**, "A Case study on recent trends in Electric Vehicle Charging Technologies", *International Conference on Recent Trends in Engineering*, organize by KSRRM College, Kadapa, AP on 29th December 2022.
2. A. Suresh Kumar, **Dr V. Usha Reddy**, "Performance Assessment of SMA based MPPT Controller for PV System considering Random PSC", *International Conference On Smart Systems And Green Energy Technologies (ICSGET-2022)*, 21-22 October 2022, Vardhaman College of Engineering, Hyderabad, (**IEEE Explorer**)

2021-22

3. A. Suresh Kumar, **Dr V. Usha Reddy**, "Comparative performance evaluation of PV configurations under various shaded conditions", *IEEE sponsored Third International Virtual Conference on Power Engineering Computing and Control PECCON'22*, organized by School Of Electrical Engineering, Vellore Institute of Technology, Chennai in association with Deakin University, Australia during May 5-6, 2022(IEEE and **Scopus** Indexed).

2016-17

4. P. Sindhuja, **Dr V. Usha Reddy**, "Enhancement of Grid Connected PV Inverter Using Optimal Maximum Power Point Tracking Algorithm with Estimation of Climatic Parameter", *IEEE International Conference on Inventive Systems and Control(ICISC 2017)*, organised by JCT College of Engineering and Technology, Coimbatore, 19-20, January, 2017.
5. K. Kranthi Priya, **Dr V. Usha Reddy**, "A new control strategy for wind energy conversion system using 3 level NPC inverter", *International Conference on Green Power Technology in Power Grid: Issues, Challenges and Control(ICGPTPG-2016)*, organized by SVU College of Engineering, 16-18 November, 2016.

2014-15

6. P. Hemalatha, **V. Usha Reddy**, "Optimal placement of DG in distribution networks using fuzzy and HSA", *2nd International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization & Sciences(EEECOS)-2015*, organized by Sun flower college of engineering and technology, Vijayawada held on 28-30 March, 2015.

2013-14

7. **V. Usha Reddy**, Dr T. Gowri Manohar, "Cuckoo Search Algorithm and Loss Sensitivity Factors Method for optimal capacitor placement in radial distribution systems", *International Conference on Advances in Recent Technologies in Electrical and Electronics(ARTEE) 2013*, pp. 335-338, 20-21 Sep 2013, Bangalore indexed in **Elsevier**.

2011-12

8. **V. Usha Reddy**, Dr T. Gowri Manohar, “A two stage approach: Capacitor Placement for loss reduction in distribution systems”, Environment and Electrical Engineering(EEEIC) 2012 11th International Conference, pp. 555-558, 18-25 May 2012,Venice indexed in **IEEE Explorer**.

2009-10

9. T.S. Sravan Kumar and Mrs **V. Usha Reddy**,” Daily load forecasting of Distribution System including seasonal variation using Artificial Neural networks” 2nd AP Science Congress, SV University, Tirupati, November 14-16 ,2009.

2007-08

10. **V.Usha Reddy** and Dr T. Gowri Manohar, ”Effects of FACTS Devices on Power System Operation”, International conference 3CI-2007 organized by IEEE at RVCE, Bangalore.21-23rd November, 2007.

National

2013-14

1. **V. Usha Reddy** and V. Anusha, “Curvelet Transform and Euclidean Distance for Medical Image Retrieval System”, National Conference on Advances in computational intelligence and computer engineering, Sri Padmavathi Mahila Viswa Vidyalayam, 23rd and 24th October 2013, Tirupati.

Short Term Course organized

1. 1 week short term course in “**MOOCs, e-Content development and Open Educational Resources**”, at HRDC,S V University, 6.1.2020 to 11.1.2020.

Workshops Organized

2019-20

1. 4 day national level Hackathon “**TEKHACK-2019**”, organized by startup cell at SVU college of Engineering, during August 1st -4th 2019 sponsored by TEQIP-III.

2018-19

2. 3 day national level workshop on “**Industrial Applications of Electrical Engineering**”, during 19th-21st July, 2018 sponsored by TEQIP-III-1.3.

2015-16

3. 3 day national level workshop on “**Research Methodology and Report Writing**”, during 21st-23rd April, 2016 sponsored by TEQIP-II-1.2.

Seminar organized

2016-17

1. Two day seminar on “**Career Guidance and Aptitude Skills**”,CGAS-2017,organized by dept of EEE, SVUCE, 3rd-4th March, 2017 sponsored by TEQIP-II-1.2.

Techhak organized

2019-20

1. Four day “**Techhak**” organized Aug 1st-4th 2019 at SVUCE under IIC.

International Conference organized

2016-17

1. 3 day International conference on “Emerging Trends in Engineering, Science and Technologies(ICETEST 2017), organized by SVUCE, 18th-20th March 2017 sponsored by TEQIP-II-1.2.

Guest lecture organized

2019-20

1. Guest lecture on “**Co-operative and Self –organizing Paradigms for on-line Smart Grids Voltage Regulation**”, by Prof .Alfredo Vaccaro, Dept of Engineering, University of Sannio, Piazza Roma, Italy on 18.12.19 at EEE seminal hall, SVUCE, Tirupati.

Conferences/Workshops/Faculty Development Programmes

Attended:.

2023-24

1. 1 week national level online Faculty Development Programme on, “ **Recent Trends in Green Energy Initiatives and Soft Computing Techniques**”, organized by Dept of EEE, Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad from 11.07.23 to 15.07.23.

2022-23

2. 1 week STTP on “**Design, Implementation and Control of Electrical Systems using MATLAB**”, organized by Dept of EEE, Bapatla Engineering College, Bapatla during 3rd-7th January,2023.
3. International Conference on “**Recent Trends in Engineering and Technology(ICRTET-2022)**, organized by KSRM College of Engineering, Kadapa, AP on 29th Dec 2022.
4. International Conference On “**Smart Systems And Green Energy Technologies**” (*ICSGET-2022*), 21-22 October 2022, Vardhaman College of Engineering, Hyderabad, (**IEEE Explorer**)

2021-2022

5. 1-week National level Online FDP on “ **Smart Grids and Micro Grids in Indian Context**” from 20-06-2022 to 24-06-2022 organized by Dept of EEE, Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.
6. 1-week Virtual FDP on “**Emerging Trends in Generation, Operation & Control of Electrical Systems**”, organized by Dept of EEE,IEEE Student branch, Sree Rama Engineering College, Tirupati from 6.6.22 to 11.6.22.

7. 1-week National level online FDP on “**Greening the Grid**”, organized by Dept of EEE, Mahatma Gandhi Institute of Technology, Hyderabad from 17.5.22 to 21.5.22.
8. Webinar on “**Tools and Technologies in Artificial Intelligence**”, organized by Dept of CSE, Shri Vishnu Engineering College for Women on 21.5.22(1.00 pm to 2.00 pm).
9. IEEE sponsored Third International Virtual Conference on “**Power Engineering Computing and Control PECCON’22**”, organized by School of Electrical Engineering, Vellore Institute of Technology, Chennai in association with Deakin University, Australia during May 5-6, 2022.
10. 1-week FDP on “**Emerging Trends and Developments in Electric Vehicles**”, organized by NIT Manipur and ATAL Academy from 25.10.2021 to 29.10.2021.
11. 1 week Virtual Faculty Development Program on “**Research Challenges, Opportunities in Smart Grid with Integration of Electrical Vehicles**”, organized by Dept of EEE, Vemu Institute of Technology, Chittoor from 08.10.2021 to 12.10.2021.
12. 2-day FDP on “**Renewable Energy Systems**”, organized by Dept of EEE, Jerusalem College of Engineering from 29th to 30th September, 2021.
13. 1 day Webinar on “**Research, Innovation and Rankings**”, organized by Andhra Pradesh State Council of Higher Education (APSCHE) and SVU, Tirupati on 20th August, 2021.

2020-2021

14. National Webinar on “**Renewable Energy: Smart Micro-Grids**”, organized by the Dept of EEE, Mandsaur University, Mandsaur, Madhya Pradesh on 15th May 2021.
15. 1 day webinar on “**Overview on Outcome Based Education**”, organized by IQAC, S V University on 1.5.21.
16. 1 week Short Term Training Program (online)(Phase II) on “**Electric Mobility: Development, Integration and Design Challenges**”, organized by Dept of EEE, JCE from 19.4.21 to 24.4.21.
17. National webinar on “**Publishing in Scopus and Web of Science indexed Journals: Tools and Techniques**” organized by the Department of Library and Information Science, S V University, Tirupati on 28th January, 2021.
18. National level one day webinar on “**National Education Policy 2020**” organized by S V U College of Engineering under TEQIP-III-1.3 on 23rd January, 2021.
19. 3 day FDP on “**Automation System Design and Simulation using Automation Studio Software**”, organized by Dell soft Technologies, New Delhi from 14th to 16th December, 2020.
20. 1 week FDP on “**Energy Audit for Smart Grid Network**”, organized by Dept. of EEE, IIT Roorkee from 30th November to 4th December, 2020 under TEQIP.
21. Two day FDP on “**MS Excel Essentials for Academicians**” organized by Rajagiri College of Social Sciences on 20th and 21st November 2020.

22. One week online AICTE sponsored STTP on **“Role of Electric vehicles in Smart cities vision of India: Opportunities and Challenges”**, organized by Vasireddy Venkatadri Institute of Technology from 26th to 31st October, 2020.
23. Five day FDP on **“E –Content Development”**, organized by **IIITDM Kurnool and IIIT Tiruchirapalli** in association with APSCHE, AP from 8th September to 12th September, 2020.
24. 10 day **Industry Oriented Online Training Program on Transmission SCADA** organized by the Department of Electrical and Electronics Engineering,(FISAT), in association with Kerala State Electricity Board Engineers' Association (KSEBEA) for ten days during July 23, 2020 to August 12, 2020(**online evening sessions** for 2 hrs alternate days).
25. 3-Day Online **International Workshop on “Applications of Artificial Intelligence on Electrical Devices & Networks”** Organized by Department of Electrical & Electronics Engineering of St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India in association with CY9, Texas, USA & byte, T.S, India during 01st August to 03rd August 2020.
26. 1 day National level online FDP on **“Controller Hardware-in-the-Loop Simulation: Tool for Future Electrical Engineers”**, organized by Dept of EEE, Mahatma Gandhi Institute of Technology, Hyderabad, Telangana in collaboration with Quarbz Info Systems, Kanpur on 24.7.20..
27. 1 week online course on **“Smart Grid Technology”** organized by Reva University IEEE PES Chapter, Bangalore during 16th July 2020 to 20th July 2020.

2019-20

28. 1 week AICTE Training And Learning (ATAL) Academy **Online FDP** on **"Artificial Intelligence"** from **08-06-2020 to 12-06-2020** at **IIIT-Delhi**.
29. One Week National Level Online Faculty Development Programme on **“Recent Advances In Electrical Engineering (RAEE-2020) ”** during **03-06-2020 to 07-06-2020**, Organized by the Department of Electrical & Electronics Engineering, VEMU Institute of Technology, P.Kothakota, Chittoor(Dt), A.P.
30. Webinar on **“ Electric Vehicles and their impact on electrical distribution network”** organized by Miracle Institute of Technology on 3rd June 2020(evening online session at 6.00pm).
31. One day workshop on **“Role of Energy Storage & Plug-in Electric Vehicles in Smart Grid: Challenges & Opportunities”** organized by Dept of EEE, Audisankara College, Gudur on 30th May 2020(Online).
32. Webinar on **“Technology backbone for growth in rural communities”**, organized by IEEE Standards Association on 28th May 2020.
33. Webinar on **“ Role of Energy Management Professionals in Industries”**, organized by Narsaraopeta Engineering College on 26th May 2020.
34. FDP on **“Research Paper and Project Proposal Writing”**, organized by Sree Vidyanikethan Engineering College under IEEE student Branch during 15th and 16th May 2020(Online).

35. Two day national level workshop on “**Modern Method for Teaching-Learning Practices**”, organized by Krishna University during 12th and 13th May 2020(online).
36. FDP on “**Health Management**” organized by Dept of ECE, SVUCE during 7th and 8th February, 2020.
37. Two day workshop on “**Audit & Legal Aspects of Administration**”, organized by S V U College of Engineering, Tirupati under TEQIP III-1.3 during 15th and 16th Nov, 2019.
38. Two day workshop on “**Sensitizing Higher Education Institutions to promote quality assurance for nation building – opportunities and challenges**”, organized by SVU college of Engineering during 9th-10th November, 2019.
39. 2 day workshop on “**Signal processing and Applications**” organized by Dept of ECE under TEQIP-III at SVUCE during July 27th-28th, 2019.
40. 1 week **Professional Development Training Programme** for Faculty and Administrators of Project institutions under TEQIP-III at IIM Visakhapatnam from 15th July to 19th July 2019.

2018-19

41. Two week Faculty Development Programme on “**Entrepreneurship**” organized by S V U Entrepreneurship Development Cell, Sri Venkateswara University, Tirupati, 29th April to 9th May, 2019.
42. 2 day workshop on **Internet Of Things** under TEQIP III 1.3, SVUCE during 24th and 25th March 2019.
43. 2 day seminar on “**Role of Digital Technology for National Development**” at SVUCE during 26th and 27th October, 2018.
44. 3 day Workshop on **Massive Open Online Courses** organized by APSCHE and APSSDC at ANU from 31st August to 2nd September, 2018.

2017-18

45. **Naipunya**-Andhra Pradesh State Skills Competition 2018(participated in Floristry), organized by APSSDC,SVUCE, 20th April 2018.
46. 2 day Faculty Empowerment workshop on “**National Workshop on e-learning, MOOCs and basic ICT skills for educators**” organized by university of Delhi at SVUCE, Tirupati on 26-27 March 2018.
47. One week FDP on “**IOT and Big Data Analytics**” organized by NIT Warangal at SVEC from 20th to 25th November, 2017.
48. Two week teacher training programme conducted by APSCHE & British Council from 19.6.17 to 23.6.17 & 3.7.17 to 7.7.17 at SVUCE, Tirupati

2016-17

49. Two week Faculty Development Programme on “**Recent Advances in Electrical Engineering Research, under TEQIP II-1.2**”, Dept of EEE,SV University College of Engineering, 20th February to 2nd March, 2017.

50. **“104th Indian Science Congress”**, SV University, January 3-7, 2017.
51. 1 week FDP(MDP) on **“Management Capacity Enhancement Programme(MCEP)”**, IIM Kozhikode, December 5-10, 2016.
52. 1 week FDP(MDP) on **“Management Development Program for Improved R & D and III at TEQIP-II institutions”**, Administrative Staff College of India, Hyderabad, September 19-23, 2016.
53. Two day workshop on **“E-CAD”** conducted by Dept of EEE,SVU College of Engineering, July 29-30,2016.

2015-16

54. Workshop on **“Initiating change & Dialogue within SVU community to improve Research & Development”** conducted by R & D cell,SVU, Tirupati, June 28-29,2016.

2014-15

55. Two Week Workshop on **“Introduction to Design of Algorithms”** conducted by IIT Karagpur at SVU College of Engineering, 27th April to 30th May, 2015.
56. Workshop on **“Wavelet transforms in Signal Processing”**, organized by Dept of ECE. SV University College of Engineering, Tirupati, 15th March,2015.
57. Two Week Workshop on **“Control Systems”** conducted by IIT Karagpur at SVU College of Engineering, 2ndDecember to 12thDecember, 2014.
58. National workshop on **“Recent developments in smart grid technologies (NWSGT-1014)”**, organized by IIT Bhubaneswar,8th& 9th November,2014.
59. Faculty Development Program on **“Intellectual Property Rights”**, SVU College of Engineering, 8th July 2014.

2013-14

60. A two week Faculty Development Program on **“Foundation Skills in Information Technology”**, S V U College of Engineering,20-30 January,2014.
61. Two Week Workshop on **“Signals and Systems”**, conducted by IIT Karagpur at SVU College of Engineering, 2nd June to 12th June, 2014.

2012-13

62. Two Week Workshop on **“Analog Electronics”**, conducted by IIT Karagpur at SVU College of Engineering, 4th June to 14th June, 2013.
63. International Conference on **Electrical, Electronics and Computer Science (ICEECS-2013)**,Chennai, June 2nd 2013.
64. Two Week workshop on **“Database Management Systems”** conducted by IIT Bombay at SVU College of Engineering, 21st May to 31st May, 2013.

65. Two day Faculty Development programme on “**VLSI Design Flow Using Synopsys EDA Tools**”, SVU College of Engineering, Tirupati, April 12th and 13th,2013.
66. National workshop on “**Research Methodology**”, S V U College of Engineering, Tirupati, 29-30 September,2012

2011-12

67. One day workshop on “**Cloud Computing**” organized by SV University,8th November 2011.
68. National level workshop on “**Smart grid Technologies-Issues and Challenges**” organized by Dept of EEE, S V U College of Engineering,20th August 2011.

2010-11

69. National Conference on “**Advances in atmospheric Remote Sensing, weather prediction and Climate change(ARWPCC-2011)**” organized by Dept of Physics, S V University and NARL,10-11 March 2011.
70. National Workshop on “**Applications of Artificial Intelligence to Power Systems**” organized by Madanapalli Institute of Technology and Science, Madanapalli, 25th September, 2010.

2009-10

71. Two day workshop on “**Applications of Soft Computing Techniques in Electrical and Electronics Engineering**” organized by VignanaBharathi Institute of Technology, Hyderabad, 23rd-24th April, 2010.
72. National Seminar on “**Women and Management – Perspectives and Perceptions**” organized by S V University, Tirupati, 30-31st March,2010.
73. National Workshop on “**Mathematical models for Biofluid flows and Applications**”, organized by S V University, Tirupati, 22-26 January 2010.

2008-09

74. National Conference on “**Data Mining & Network security NITCO’09**” organized by the Department of computer science, S V University, Tirupati.01-02 April’09.
75. National level workshop on “**Recent trends in VLSI and Nano Technology & Hands on Skills on EDA Tools**” Organized by S V College of Engineering and Technology, Chittoor, 24-26th March 2009.
76. Workshop on “**Recent Advances in Electrical Engineering**” organized by SV Perumal college of Engineering and Technology, Puttur, 21st March 2009.

77. Symposium on “**Recent Trends on Mathematical Modeling (RTMM-09)**” organized by Department of Mathematics, S V University, Tirupati. 20th March 2009.
78. National Conference on “**Emerging Materials, Devices and Technologies**”, organized by Department of Physics, S V University, Tirupati. 24-25th February 2009.

2007-08

79. International conference 3CI-2007 organized by IEEE at RVCE, Bangalore. 21-23rd November, 2007.

Short Courses/Summer/Winter Schools Attended:

2021-22

1. 1-week online RFP on “**Challenges and opportunities in Electric Vehicle Technology**”, organized by Annamacharya Institute of Technology and Sciences, Rajampet during 28.12.2021 to 3.1.2022.

2019-20

2. 2 week course on “**Digital Transformation in Teaching Learning Process**”, organized by IIT Bombay under TEQIP-3 and NPIU from February 14th to March 6th, 2020 (online certification).
3. Refresher Course in “**Information and Communication Technologies**” organized by UGC Human Resource Development Center, SV University, 10th February to 22nd February, 2020

2016-17

4. TEQIP Sponsored SAM programme on “**Management Development Program for Improved R&D and I-I-I**”, organized by Administrative Staff College of India, Hyderabad, 19-23rd September, 2016.

2015-16

5. Refresher Course on “**Engineering Sciences**” organized by UGC Academic Staff College, SV University, 16th November to 5th December, 2015.

2012-13

6. Orientation Programme organized by UGC Academic Staff College, SV University, 29th October to 24th November, 2012.

2011-12

7. Refresher Course on "**Recent Trends in Deregulation of Power Systems**" organized by UGC Academic Staff College, JNTUH, Hyderabad, 13th June to 2nd July, 2011.

2010-11

8. UGC Sponsored SAM Workshop on "**Capacity Building of Women Managers in Higher Education**", S V University, 9-13th August, 2010.

2009-10

9. Short term course on "**Soft Computing Techniques in Electrical Engineering**" organized by National Institute of Technology, Warangal. 7-19th December 2009.

2007-08

10. Short term Training Programme on "**Induction programme for New Faculty**" organized by S V University college of Engineering, 7-11th august 2007.

M.Tech Projects Awarded.

S.no	Rollno & Name of the student	Title	Year of Completion
1	T.S. Sravana Kumar (1107306)	Daily Load Forecasting of Distribution System including Seasonal Variation Using Artificial Neural Networks	2009
2	P. Dinakara Prasad Reddy (1108306)	Differential Evolution Method for Optimal Capacitor Placement in Distribution Systems	2011
3	S.Jayachandra (1109328)	An Adaptive Distance Relay Setting for UHV/EHV Power Transmission Lines	2011
4	G. Naveen Kumar (1109355)	Improvement of Stability of a Generator excitation Control system using stabilizer with time delays	2011
5	M. Kishore Kumar (1109332)	Plant Growth Simulation Algorithm for Optimization of Distribution Network Configuration	2012
6	A.V. Padmaja	Application of Wavelet Transform for Monitoring Short Duration Disturbances in	2012

	(1108301)	Distribution System	
7	A. Manoj (1110326)	Optimal Capacitor Placement for loss reduction in Distribution Systems using Bat Algorithm	2012
8	S. Deepika Chowdary (1110333)	Detection and mitigation of Power Quality Disturbances using Discrete Wavelet Transform technique and Dynamic voltage Restorer	2012
9	V.Anusha (1111364)	Feature extraction for image matching and retrieval using curvelet transform technique	2014
10	Anusha S (1111321)	Optimal TCSC placement using harmony search algorithm in transmission system for loss minimization	2014
11	SuprajaGeriki (1111322)	Optimal location of SMES for improving power system voltage stability using PSO algorithm	2014
13	P.Hari Krishna (1112334)	Optimal location of UPFC for voltage profile improvement using particle swarm optimization algorithm	2015
14	G.Sankarababu (1112356)	Fuzzy logic control based stand alone wind energy conversion system for DC base telecom loads	2015
15	P.V.Pradeep Reddy (1112335)	Many Optimizing liaisons based assessment of PID controller performance for automatic generation control	2015
16	P.Hemalatha (1112327)	Optimal Placement of distributed generation in distribution networks using fuzzy and harmony search algorithm	2015
17	G.vani (E1112331)	Application of smart energy meter in Indian energy context	2015
18	P.Manasa (1113358)	A PV based Integrated SSSC with Fuzzy Logic Controller for Wide Area Power Oscillation Damping with Continuous Communication Delays	2015

19	G. Vara Lakshmi (1113347)	Design of Self Governing Renewable Energy residential System by using Differential Evolution Technique	2015
20	K.Subbarami Reddy (1113302)	Optimal placement of DSTATCOM in radial distribution system using Fuzzy and Penguins Search optimization algorithm	2015
21	K.Chandana (1113356)	Enhanced image fusion algorithm using Laplacian Pyramid and Spatial frequency based wavelet algorithm	2015
22	Ch.Silpa (1113308)	Power loss reduction in distribution systems using Autonomous Group Particle Swarm optimization algorithm	2015
23	D.Lakshmikar Reddy(1113365)	Fuzzy Logic Controller Based Automatic Generation Control Of Multi Area Power System	2016
24	P.Sindhuja (1143122)	Enhancement of grid connected PV inverter using Maximum Power point tracking algorithm with estimation of climatic parameter	2017
25	Vamsi Krishna Reddy Kuppuru (1143209)	Improvement of Photovoltaic systems with cascaded modular multilevel converters using FLC in DC-DC converter controller	2017
26	K. KranthiPriya (1143221)	A new control strategy for wind energy conversion using three level neutral point clamped inverter	2017
27	G. Rakesh Kumar(1143222)	Three phase four switch inverter fed induction motor drives with DC link voltages offset suppression by using Fuzzy logic controller	2017
28	S.Mubeena (1115317)	Optimal planning using WOA for capacitor placement in the presence of PV systems in Distribution network	2018
29	D.Ravi (1115303)	Load flow analysis for balanced and unbalanced radial distribution systems	2018
30	I. Asrija (1115318)	Economic analysis of hybrid PV-Biomass energy system using Bat algorithm	2018

31	P. Haritha (1116309)	Optimal network reconfiguration using BPSO in distribution systems	2018
32	Malli Kailash (1114327)	ANFIS model method for wide range operation of high speed BLDC motor	2018
33	M. Santhosh Kumar (1117306)	Analysis Of Transformerless UPFC Based On Fuzzy Controller	2020(Jan)
34	M. Bhagyasree (1117319)	Frequency Regulation of Wind Power Generator and PHEVs for micro grid by using Centralized Control and Fuzzy System	2020(Jan)
35	S. Karunakar Babu (1117313)	Implementation of Maximum Power Point Tracking Technique based on ANFIS Controller for the Photovoltaic Systems	2020(Jan)
36	N.Mohan (1118318)	Design and Analysis of Fractional Order PID Control for Three Phase Standalone Hybrid PV-Wind Generation	2021(Nov)
37	N.Mounika (1119309)	Design and Implementation of PV Integrated UPQC with ANFIS Controller	2022(April)
38	K.Sai Swathi (1119306)	SMES Based DVR using ANFIS Controller for Voltage compensation	2022(April)
39	S. Bhaskar (1119315)	Enhancement of Voltage Sag in Grid connected Hybrid Power System using BES-SMES based DVR	2022(June)
40	C. Deepak (1120303)	Optimization of Distribution systems in the presence of DG by network reconfiguration using Spotted Hyena Algorithm	2023(May)
41	R. Vandana (1120318)	ANFIS controller based Hybrid Microgrid system for Sustainable Energy	2023(July)
42	G. Sruthi (1120306)	ANFIS controller base VSC in grid connected Solar PV-BES system for harmonic reduction	2023(July)

43	K. Kalyan (1120319)	ANFIS controller for harmonic reduction in wind turbine based PMSG system under unbalanced grid voltage conditions	2023(July)
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