

BIO DATA

Name: Dr. D.Vijaya Kumar

Employee ID: A5EEE00T29

Designation: Professor

Department: EEE

Date of Birth: 10-08-1974

Father Name: Dr.D.V.G.S.Naidu

Mother Name: D.Dhamayanthi

Reservation Category: BC-D

Address: D. No: 3-1-6, Kattera Street, Srikakulam

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Date of Joining in the Institution: 09-09-2011

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph. D	A.U. College of Engineering, Andhra University, Visakhapatnam	-	2010
M.E	A.U. College of Engineering, Andhra University, Visakhapatnam	First Class	2000
B.E	College of Engineering GITAM, Andhra University, Visakhapatnam	Second Class	1997

Total Years of Experience (Teaching/Industry): 17 Years

Period		Organization/Institution/Industry	Designation
Sept 2011	Till Date	Aditya Institute of Technology and management, Tekkali	Professor
Feb 2011	August 2011	Institute of Technology, GITAM university, Visakhapatnam	Assoc. Prof.



June 2009	Jan. 2011	PRIME College of Engineering, Vizianagaram	Assoc. Prof.
May 2008	June 2009	College of Engineering VITAM, Visakhapatnam	Assoc. Prof.
Oct. 2005	May 2008	College of Engineering SISTAM, Srikakulam	Assoc. Prof.
June 2000	Sep. 2005	College of Engineering SISTAM, Srikakulam	Assistant Professor

Areas of Interest:

1. Power System
2. Control System

Guidance of Academic Projects:

- i) Doctoral Projects : 04(Guided)
- ii) Masters Projects : 18(Completed)
- iii) Bachelor Projects : 20(Completed)

Sponsored Research Projects: ---

Honors and awards received: - ---

Memberships of Professional Societies and Other Organizations: MISTE

Other Responsibilities:

1. Head of the Department
2. BOS Chairman
3. Dean-Academics

Details of Book Publications: -

1. A Text Book on Power System Operation and Control Published by Scitech Publications (India) Pvt., Chennai in 2004.

Details of Publications:

Published Papers →107

(International Journal Publications→73

National Journal Publications→02

International Conferences Papers →16

National Conferences Papers →16)

International Journal Publications :

- 1) G.V.K.R. Sastry, **D. Vijaya Kumar**, "Large scale MIMO-interval system reduction using improved SRAM" International Journal of Engineering Research & industrial Applications (IJERIA), vol.1, No.VI, ISSN: 0974-1518, pp 301-308., 2008.
- 2) Sastry G.V.K.R, **Vijaya Kumar. D.**, "Linear Uncertain systems reduction using IRAM", International journal of Applied Engineering Research (IJAER), ISSN 0973-4562 Volume 4 Number 12 pp. 2415- 2422, 2009 (Scopus)
- 3) G. Prasad, **D. VijayaKumar**, V. Raj Kumar, M. Ebraheem, "A New Approach for Voltage Stability in a Multi bus System Using ANN Technique", IFRSA's International Journal of computing, vol.1, issue4, October 2011, pp 629-634.
- 4) V.Raj Kumar, B.Viswanath, **D.Vijaya Kumar**, B.Venkata Ramana, "A Heuristic Based multi-Objective Approach for Network Reconfiguration of Distribution Systems", International Journal of Innovative Design and Engineering, ISSN 2222-2871 (Online), vol.2, No.5, 2011 pp: 22-33, (Scopus)
- 5) U.Mohan Rao, A. Pramoda, **D. Vijay Kumar**, "Decision Tree based UV/VIS Response to access the age of Transformer oil", International journal of power system operation and Energy Management, Volume1, Issue2, pp 113-118, 2011 ISSN:2231-4407.
- 6) U.Mohana Rao, R.K. Jarial and **D. Vijaya Kumar**, " High voltage grounding design, maintenance, experience: A case study", International journal of Electrical and Power Engineering, Volume5, Issue 6, 2011, ISSN:1990-7958, pp 224-228.
- 7) **Dr.D.Vijaya Kumar**, B.Ramya, "Optimal capacitor placement and sizing in lower distribution systems for harmonic reduction and Improving voltage profile and using particle swarm optimization", The International Journal of Engineering and Innovative Applications (IJEIA), Volume1, Issue 2, pp 679-686 Nov 2012, ISSN 2248-9278.
- 8) **Dr. D. Vijaya Kumar**, D. Vanajakshi, "Speed and Torque Control of BLDC motor with PID Controller", International Journal of Engineering and Innovative Applications (IJEIA) Volume 1 Issue 2 , pp724-731, Nov 2012, ISSN 2248-9278.
- 9) **Dr.D.Vijaya Kumar**, Ramavathu gopinaik, S. Naga Raju "Sensor less speed estimation technique for the vector controlled permanent magnet synchronous motor drive", International Journal of Advances in Science and Technology (IJAST), Vol 6, No.1, pp 06-14, Jan 2013, ISSN 2229-5216.

- 10) **Dr.D.Vijaya Kumar**, Suresh Kumar Sahu, I.Ramesh, "Simulation of UPQC using Cascaded Multilevel Inverter & Comparing it with Shunt & Series Active Power Filters "International Journal of Scientific & Engineering Research, (IJSER) Volume 4, Issue 2, February-2013, ISSN 2229-5518.
- 11) **Dr.D.Vijaya Kumar**, U.Mohan Rao, "Recent Trends in Condition Assessment of Induction Motor Drives", International Journal of Electrical and Electronics Engineering Research (IJEEER) Vol.3, Issue 5, pp 65-76, Dec 2013, ISSN (P):2250-155X;ISSN(E):2278-943X.
- 12) S.Baji, **Dr.D.Vijaya Kumar**, S.Naga Raju, "Three Phase single boost inverter with Coupled inductor for renewable Energy sources", International journal of engineering Research & Technology (IJERT), vol2, issue11, nov 2013., ISSN: 2278-0181, pp 77-83.
- 13) Chandra sekharrao. M, Naga raju.S, **Dr.D. Vijaya Kumar**, "Performance Evaluation of Static Compensation for Grid Connected System for Power Quality Improvement Features", International Journal of Engineering Research & Technology (IJERT) vol2, issue 11, Nov 2013, pp 2284-2288.
- 14) Rajasekhar, S. Naga Raju, **Dr.D.Vijaya Kumar** "Applications of wavelets in power quality disturbances, 'International Journal of Advances in Science and Technology, vol.7, no.2, Aug, 2013. pp 51-57
- 15) **Dr. D.Vijaya Kumar**, Satish kumar R, BB Rath, "Optimum Design of a Hybrid PV/Wind energy system using genetic algorithm", IOSR Journal of engineering, vol.04, issue 01, January 2014, pp38-48.
- 16) **Dr. D,Vijaya Kumar** , Satish Kumar R,B.B.Rath, " Optimization of Hybrid pv/wind Energy System using Genetic Algorithm", International Journal of Engineering research and Applications, vol.4, issue1, jan2014, ISSN:2248-9622, pp 29-37.
- 17) N. Sowjanya, **Dr.D.Vijaya Kumar**, "Distributed Renewable Resources Constructed with multilevel converter using SVM Technique1, vol.1, issue2, April 2014, ISSN: 2248-9278, pp1898-1906.
- 18) G.Sravanthi, **D.Vijaya Kumar**, I.Ramesh, "24 Pulse AC-DC Converters for improved power Quality", International Journal of Electrical and Electronics Engineering Research, vol.4,issue2,April 2014, pp 223-228, ISSN (P) 2250-155X, ISSN (E): 2278-943X.
- 19) **Dr.D.Vijaya Kumar**, B.Manmadha Kumar, I.Ramesh, A.Jagannadham", Static voltagecollapse studies in power systems", International journal of scientific &

Engineering Research, vol.5, issue 4. April 2014, ISSN 2229-5518.

- 20) M.Prasanthi, **Dr.D.Vijaya Kumar**, “Control Strategy for Fault Current Interruption in a Radial Distribution Line using Dynamic Voltage Restorer”, International Journal of Engineering and Technical Research (IJETR) ISSN: 2321-0869, Volume-3, Issue-6, June 2015, pp232-237
- 21) K.Swetha, **Dr.D.Vijaya Kumar**, Phani Kumar Samsani, “Load Frequency Control of a Single Area Power System Using Type-1 Fuzzy Controller”, International journal of computational science, mathematics and Engineering, Volume2,Issue7, July 2015, ISSN (online):2349-8439, pp38-43
- 22) K.Swetha, **Dr.D.Vijaya Kumar**, “ Load Frequency control in a single area power system using optimal control design”, International journal of scientific & engineering research, volume6, issue7, July-2015, ISSN 2229-5518, pp1889-1897
- 23) **D.Vijaya Kumar**, B.Trinadha, K.Prameela, ”Z-Source inverter based dynamic voltage restorer for the mitigation of voltage sag/swell”, 87-94, volume05, No.2, August-2016, ISSN 2252-8792, pp 87-94.
- 24) V.Gowtahami, **Dr. D.Vijaya Kumar**, “Analysis and implementation of PI and fuzzy controllers for MPPT based PV cell for Grid connection”, International journal of scientific & Engineering and technology research, volume04, issue33, August-2015, ISSN 2319-8885, pp 6522-6527.
- 25) D.Sagar Kumar, **D.Vijaya Kumar**, “A Single-phase voltage-controlled grid-connected photovoltaic system with power quality conditioner functionality”, International journal of Engineering research& general Science, volume03, issue06, November-December,2015, ISSN 2091-2730, pp 583-590.
- 26) D.Byragi Naidu, **D.Vijayakumar**, Bibhuti Bhusan Rath, “A Novel high efficiency highstep-up interleaved converted with voltage multiplier circuit for PV system International journal of engineering research& general Science, volume3, issue5, September-October,2015, ISSN 2091-2730, pp 274-288.
- 27) **Dr.D.Vijaya Kumar**, D.Dhanajaya, “A new simplified asymmetrical multilevel inverter topology with fundamental switching control” , International journal of engineering research& general Science, volume4, issue2, March-Aril, 2016, ISSN 2091-2730, pp 473-479.
- 28) **Dr. D. Vijayakumar**, I. Ramesh, K.Meghana, “Control of PMSM using neuro-Fuzzy

basedSVPWM technique”, International journal of innovative research in science, Engineering and technology, Vol.5, issue 11, Nov 2016, pp 18953-18960, (Online): 2319-8753.

- 29) **Dr. D. Vijayakumar**, K.S. Goutham, B.Vineel, “Enhancing power quality to sensitive loads with micro grid using Fuzzy logic controller”, International journal of innovative research in science, Engineering and technology. Vol.5, issue 10, Oct 2016, ISSN(Online): 2319-8753, ISSN (Print): 2347-6710, pp 17720-17726.
- 30) **Dr. D. Vijayakumar**, B. Trinadha, J.Vijaya Chandra, “Analysis of a micro grid with solarand wind energy systems”, International journal of innovative research in science, Engineering and technology. Vol.5, issue 09, Sept 2016, pp 17186-17193.
- 31) **Dr. D. Vijayakumar**, K.KushalKumar, “Power Enhancement by adopting Active PowerFilter Scheme with Fuzzy Logic Control under Grid Distortions,” Anveshana’s International Journal of Research in Engineering and applied Sciences.” Vol.1, issue 9, Sept 2016, PP 185-190.
- 32) **Dr. D. Vijayakumar**, K.Kushal Kumar, “Power Enhancement by adopting Active Power Filter Scheme with PI based once cycle control under Grid Distortions,” Anveshana’s International Journal of Research in Engineering and applied Sciences.” Vol.1, issue 11, Nov 2016, PP 205-210.
- 33) **Dr. D. Vijayakumar**, N.Kruparani, I.Ramesh“Maximum Power Point Tracking forPhotovoltaic System by Incremental Conductance Method Using Boost and Buck-BoostConverter”, International Journal of Innovative Research in Science, Engineering and Technology”. Vol.6, Issue.6, June 2017,PP: 12103-12110.
- 34) **Dr. D. Vijayakumar**, P.Eswara Rao, “ Harmonics Mitigation by using fuzzy based D-Statcom in Distribution System”, International Journal of Innovative Research in Science,Engineering and Technology”. Vol.6, Issue.7, July 2017, PP: 13089-13097.
- 35) **Dr. D. Vijayakumar**, K.Kushal Kumar,“Power Enhancement by adopting active powerfilter scheme with control strategies under Grid Distortions”. International Journal of Applied Engineering Research, Vol.12 Issue.16, (2017), ISSN: 0973-4562, PP: 5721-5728.

(Scopus)

- 36) **Dr. D. Vijayakumar**, S.Sireesha, Srinivasa Acharya” Fuzzy based UPFC system forreduction of harmonica and line losses”, international Journal of advanced research in dynamical and control systems, Vol.9, special issue-12, 2017 , ISSN: 1943-023X,

PP: 676-691(**Scopus**)

- 37) **Dr. D. Vijayakumar**, Y.LavanyaKumari, T.Lokanadha Rao'' Fault current reduction indistribution system using fuzzy based active SFCL'', international Journal of advanced research in Dynamical and control systems, Vol.9, special issue-12., 2017, ISSN: 1943-023X , PP:664-675. **(Scopus)**
- 38) K. Swetha, **Dr. D. Vijayakumar**,'' Modelling of PID controller for AGC of a multi-area system with thyristor controlled series controller'', International journal of control theory and applications, Vol.10 , number 26, (2017). PP: 231-238, ISSN: 0974-5572 **(Scopus)**
- 39) N. Vasu, **Dr. D. Vijayakumar**,'' Power system Real time Monitoring and Control'', journal of Advanced Research in Dynamical and control Systems, Vol.09 , special issue-14, 2017, ISSN: 1943-023X, PP: 1457-1467. **(Scopus)**
- 40) **Dr. D. Vijayakumar**, B.Manmadha Kumar'' Design and analysis of BFOA optimized PIDcontroller with derivative filter for frequency regulation in distributed generator system'', International journal of automation and control, Vol 12, Number 02, (2018). ISSN: 1740-7524, PP: 291-323. **(ESCI)**
- 41) **Dr. D. Vijayakumar**, N. vasu, '' Design and analysis of TLBO- Fuzzy PID controller forautomatic generation control'', International journal of applied engineering research, Vol.13, No.24, (2018), ISSN: 0973-4562, PP: 16805-16811. **(Scopus)**
- 42) **Dr. D. Vijayakumar**, N. vasu, '' Firefly algorithm optimized PID controller for automatic generation control of an interconnected power system'', International journal of electrical engineering and technology, Vol.09, issue 04, august (2018), ISSN Print: 0976-6545 and ISSN Online: 0976-6553 PP: 83-93. **(Scopus)**
- 43) **Dr. D. Vijayakumar**, S. Kinnera, I. ramesh '' Optimal placement of distributed generationin radial distribution system using dragonfly algorithm'', journal of emerging technologies and innovative research, Vol.05, issue 11, November (2018). ISSN-2349-5162), PP: 291-300. **(UGC Approved Journal)**
- 44) **Dr. D. Vijayakumar**, N. Vasu '' Design of Fuzzy PID with filter controller for AGC of Thernal-Hydro Units'' International journal of control and Automation , Vol.13, November. 02 2020 ISSN: 2005-4297, PP: 665-676. **(Scopus)**
- 45) Dr. B. Srinivasa Rao, Dr. K. Kiran Kumar, **Dr. D. Vijayakumar** '' Design and Simulation of Hybrid system using Cuckoo MPPT technique'', International journal of Engineering and advanced technology (IJEAT), Vol.08, issue 06, August 2019, PP:

3078-3086.

(Scopus)

- 46) Srinivasa Acharya, **Dr. D. Vijayakumar** ‘‘ Hybrid vehicles based on multiple source data in dynamic distribution power network’’, Neuro Quantology Journal, Vol.18, issue 05, May 2020, ISSN: 1303-5150, PP: 114-121. (Scopus)

- 47) Srinivasa Acharya, **Dr. D. Vijayakumar** ‘‘ Renewable Energy of Predictive Control Virtual Grid Via Distributed Vg-Hub’’, Neuro Quantology Journal, Vol.19, issue 01, Jan 2021, ISSN: 1303-5150, PP: 136-142. (Scopus)

- 48) Dr. K.V.S. RAMACHANDRA Murthy, **Dr. D. Vijayakumar** ‘‘ Load flow solution of Distribution systems- A Bibliometric Survey’’, Library Philosophy and Practice (e-Journal), July-2021, PP: 3078-3086. (Scopus)

- 49) Srinivasa Acharya, S. Ganesan, **Dr. D. Vijaya Kumar**, S. Subramanian, ‘‘ A hybridized approach for design and optimization of combined economic emission dispatch’’, Energy Sources, Part B: Economics, Planning, and Policy, September, 2021, Vol.16, ISSN: 1556-7257 PP: 903-928. Impact Factor: 3.9(SCIE)

- 50) B. Srinivasa Rao, **Dr. D. Vijaya Kumar**, K. Kiran Kumar, ‘‘ power quality improvement using cuckoo search based multi-level facts controller’’, Journal of Engineering Research, October 2021, Vol.10 No. (4A), ISSN: 2307-1877, pp. 252-261.

Impact Factor: 1(SCIE)

- 51) Srinivasa Acharya, S. Ganesan, **Dr. D. Vijaya Kumar**, S. Subramanian, ‘‘A multi-objective multi-verse optimization algorithm for dynamic load dispatch problems’’, Knowledge-Based Systems, ISSN: 0950-7051, Vol.231, November 2021, PP: 01-18.

Impact Factor: 8.8(SCIE)

- 52) Reddi Ramakrishna Saikumar, **Dr. D. Vijaya Kumar**, ‘‘Design and simulation of EV battery charger based on Renewable energy source with fuzzy logic controller’’, Journal of Engineering sciences, March 2022, ISSN NO:0377-9254, Vol 13, Issue 03, MARCH /2022, PP: 706-710.

- 53) Srinivasa Acharya, S. Ganesan, **Dr. D. Vijaya Kumar**, S. Subramanian, ‘‘Modeling Combined Economic Emission Dispatch for Renewable Energy System via Levy based Glowworm Swarm Optimization’’, Kybernetes Journal, ISSN: 0368-492X , Vol. 52 No. 9, pp. 3315-3337 , April 2022, PP: 01-23. Impact Factor: 2.5 (SCIE)

- 54) T. Sunil Kumar, K. Venkata Rao, M. Balaji, P.B.G.S.N. Murthy, **Dr. D. Vijaya Kumar**, ‘‘Online Monitoring crack depth in fiber reinforced composite beams using optimization

Grey Model (1,N)”, Engineering fracture Mechanics Journal, Volume 271, ISSN: 0013-7944, August 2022, 108666, PP: 01-12. **Impact Factor: 5.4 (SCIE)**

55) K. R. K. V. Prasad, V. Srinivasa Rao, P. Harini, Ratna Raju Mukuri, K. Ravindra, **Dr. D. Vijaya Kumar**, Ramachandran Kasirajan, “Machine Learning algorithms are applied in Nano material properties for Nanosecurity”, Journal of Nanomaterials, Vol 2022, July 2022, ISSN: 1687-4129 , PP: 01-14. **(SCIE)**

56) Joddumahanthi Vijaya Chandra, Bugatha Ram varaprasad, **Vijaya Kumar Darapureddi**, Bathina Venkateswara Rao, LukaszKnypinski, “A Review of distribution system State Estimation methods and their applications in power systems”, Electronics journal, January 2023, Vol.12, 603 ISSN: 2079-9292, PP: 01-18. **Impact Factor: 2.9 (SCIE)**

57) P. Srinuvasa Rao, **Dr. D. Vijaya Kumar**, Srinivasa Acharya, “Grid Integration of PV System”, International Journal of Current Science, ISSN: 2250-1770, Vol. 13, Issue: 01, February 2023, PP: 82-97.

58) Srinivasa Acharya, S. Ganesan, **Dr. D. Vijaya Kumar**, S. Subramanian, “Optimization of cost and emission for dynamic load dispatch problem with hybrid renewable energy sources”, Soft computing Journal, volume 27, pages 14969–15001, ISSN: 1433-7479, June 2023 **Impact Factor: 4.1 (SCIE)**

59) K. Swetha, **Dr. D. Vijaya Kumar**, V.S.Vakula, “Design of Self Organized Membership Functions for an Optimal Fuzzy Controller in Enhancing Frequency Regulation”, Electrical Engineering Journal, 105, pages 4549–4567, ISSN: 1432-0487, September 2023 **Impact Factor: 1.8 (SCIE)**

60) K. Swetha, **Dr. D. Vijaya Kumar**, V.S.Vakula, “Load frequency control for unequal Multi-Area power system by generation control strategy using CFO (PR)² Controller”, Electrical Power components and systems Journal, Online ISSN: 1532-5016, September 2023, PP: 01-19 **Impact Factor: 1.5 (SCIE)**

61) Srinivasa Acharya, B. M. Praveen, **Dr. D. Vijaya Kumar**, “ON-OFF grid based optimal power transmission using fire hawk pyramid squeeze ResNet”, November 2023, Electrical Engineering Journal, ISSN: 1432-0487, PP: 1-17**Impact Factor: 1.8 (SCIE)**

62) M. Satish Kumar, I. Ramesh, **Dr. D. Vijaya Kumar**, “A novel single input multi- output converter fed induction machine drive for industrial application”, International journal of Electrical and Electronics Engineering, ISSN: 2319-8885, Vol.4, issue 05, 2014, PP: 243-247.

- 63) U. Mohana Rao, **Dr. D. Vijaya Kumar**, ‘‘A Novel Technique to Precise the Diagnosis of Power Transformer internal faults’’, International Journal of Electronics and Electrical Engineering, ISSN: 2231-5284, Vol.1, issue 03, 2013, PP: 169-173.
- 64) Swetha Monica, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, ‘‘Design and Implementation of GCMBO Control Strategy for Grid Integrated SPV-DSTATCOM’’, e-Prime - Advances in Electrical Engineering, Electronics and Energy journal, ISSN: 2772-6711, Vol.6, November 2023, PP: 1-20.
- 65) Srinivasa Acharya, B. M. Praveen, **Dr. D. Vijaya Kumar**, ‘‘Deep Q-Learning-Based Mud Ring Optimization Approach for Optimal Power Flow in Islanded DC Microgrid’’, November 2023, Electric Power Components and Systems Journal, ISSN: 1532-5016, PP: 01-13
Impact Factor: 1.5 (SCIE)
- 66) Srinivasa Acharya, **Dr. D. Vijaya Kumar**, ‘‘ Frequency stabilization and synchronization between grid and AC microgrid’’, March 2024, Electric Power Systems Research Journal, ISSN: 0378-7796, 228 (2024) 110045, PP: 01-11
Impact Factor: 3.9 (SCIE)
- 67) B. Sriram Vivek, K. Swetha¹, **Dr. D. Vijaya Kumar**, ‘‘ Implementation of Fuzzy Logic Controller in Three Area Multi Source LFC System’’, January 2018, International Journal of Engineering & Technology Journal, ISSN: 2227-524X, Vol.7 (3.31), (2018), PP: 55-58.
- 68) Neyyala Raju, N. Murali Mohan, **Dr. D. Vijaya Kumar**, ‘‘A Switch-inductor Switched-capacitor Based Ultra-gain Boost Converter: Analysis and Design’’, Transactions on Energy Systems and Engineering Applications (TESEA) Journal, volume 5, No.1, pages 1-20, ISSN: 2745-0120, February 2024.
- 69) Swetha Monica, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, ‘‘A Switch-inductor Switched-capacitor Based Ultra-gain Boost Converter: Analysis and Design’’, e-Prime - Advances in Electrical Engineering, Electronics and Energy Journal, volume 6, No.100356, pages 1-11, ISSN: 2772-6711, November 2023. **(ESCI)**
- 70) Swetha Monica, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, ‘‘Integrated Fuzzy Logic Control for Voltage Stability and Harmonic Suppression in SPVDSTATCOM Networks’’, Neuro Quantology Journal, volume 22, issue 3, pages 300-309, ISSN: 1303-5150, June 2024.
- 71) Nallam Vani Annapurna Bhavani, Alok Kumar Singh, **Dr. D. Vijaya Kumar**,

“Optimized integration of renewable energy sources using seven-level converter controlled by ANFIS-CS-GWO”, e-Prime - Advances in Electrical Engineering, Electronics and Energy Journal, volume 9, No.100689, pages 1-12, ISSN: 2772-6711, July 2024. (ESCI)

72) Nallam Vani Annapurna Bhavani, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, “Modeling of GAO-ANFIS controller based hybrid solar photovoltaic and wind power system with seven-level converter”, Energy Storage and Saving Journal, volume 9, No.100689, pages 1-12, ISSN: 2772-6711, July 2024.

73) Nallam Vani Annapurna Bhavani, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, “Enhancing Wind turbine performance with adaptive maximum power point tracking controller”, Neuro Quantology journal, volume 22, issue 3, pages 310-318, ISSN: 1303-5150, June 2024.

National Journal Publications :

- 1) D.Vijaya Kumar, “Fuzzy PI controller considering GRC for load frequency control problem in two area power system”, National journal of Engineering Today, volume-X, Issue-5, pp20-24, 2009
- 2) G.Prasad, D.Vijaya Kumar, M.Ebraheem, A.Muneiah, “ Study of the voltage stability in a multibus power network using AI technique”, i-managers journal on Electronics Engineering, vol.1, No.4, June- August, 2011.

International Conference Papers:

- 1) G.V.K.R.Sastry, P.Mallikarjuna Rao, **D.Vijaya Kumar**. “Improvement to simplified Routh approximation method of continuous time interval systems”, IEEE International conference on recent advancements and applications of computer in Electrical Engineering to be held in University college of Engineering, Bikaner, Rajasthan, India, March 24-25, 2007
- 2) G.V.K.R.Sastry, **D.Vijaya Kumar**, P.Mallikarjuna Rao, “Modelling of high order discrete time interval systems using improved Routh approximation method” International conference on modeling and simulation Coimbatore, August 27-29, 2007
- 3) U.Mohan Rao, R.K.Jarial, N.Gowtham Kumar, **D.Vijay Kumar**, “A Novel Fuzzy Logic Based Technique to Find the Critically of Power Transformer, International Conference on Computational Intelligence and Engineering Applications, Bhubaneswar, October, 16-17, 2011
- 4) **Dr. D. Vijayakumar**, P. swathi, “ Modeling of PID controller for AGC of a multi area power systems with thyristor controlled series controller”, International Conference on

emerging multidisciplinary research and computational intelligence (ICEMRC1) at SRKR college of engineering, Bheemavaram on 15th, 16th Dec 2016.

- 5) L. Dinesh, **Dr. D. Vijaya Kumar**, “Harmonic Reduction using Fuzzy Controlled DC voltage Feedback Control”, 1st International Conference on Innovative Product design and Intelligent Manufacturing systems at National Institute of Technology Rourkela, Odisha.
- 6) Srinivasa Acharya, **Dr. D. Vijayakumar**, “Pmsg For Better Dynamic Stability For Better Windfarm Structuring”, International conference on Contemporary Research Advancements In Mechanical Engineering - 2023 (Iccrame 2023) at Ramco Institute Of Technology, Rajapalayam on 24th and 25th march, 2023.
- 7) Srinivasa Acharya, **Dr. D. Vijayakumar**, “Wind farm based on PMSG for better dynamic stability”, International conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2023) at Department of Electronics and Communication Engineering, Velammal Institute of Technology, Chennai on 23rd and 24th march, 2023.
- 8) Srinivasa Rao Kalluri, Jami Deleep Kumar, S Ramana Kumar Joga, V Sudhakar, G. Jagadeesh, **Dr. D. Vijayakumar**, ‘A complex multi power quality disturbances detection and classification using MRA DWT and K-NN classifier technique, in second international conference for Advancement in technology during 24th -26th January 2023. ISBN: 978-1-6654-7517-4
- 9) Swetha Monica, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, ‘Smart Integration of Solar Energy: Optimizing Power Quality with SPV-DSTATCOM for Enhanced Harmonic Suppression and Power Factor Correction”, in 5th international conference for Artificial Intelligence And It’s Emerging Areas (NEC-ICA-IEA-2K24) during 12th -13th April 2024, PP 1091-1096. ISBN: 978-93-91420-57-4.
- 10) Swetha Monica, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, ‘Integrated fuzzy logic control for voltage stability and Harmonic suppression in SPV-DSTATCOM Networks”, in 4th international conference for Engineering, technology & Business Management for during 24th -25th May 2024. ISBN: 978-93-91420-57-4.
- 11) Nallam Vani Annapurna Bhavani, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, ‘Efficient Energy Conversion and Management in a Hybrid Solar Photovoltaic-Wind System with PWM Technique”, in 5th international conference for Artificial Intelligence And It’s Emerging Areas (NEC-ICA-IEA-2K24) during 12th -13th April 2024, PP 1091-1096. ISBN: 978-93-91420-57-4.
- 12) **Dr. D. Vijaya Kumar**, ‘Enhancing Wind turbine performance with adaptive maximum

power point tracking controller'', in 4th international conference for Engineering, technology & Business Management for during 24th -25th May 2024. ISBN: 978-93-91420-57-4.

- 13) Nallam Vani Annapurna Bhavani, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, 'Efficient Energy Conversion and Management in a Hybrid Solar Photovoltaic -Wind System with PWM Technique'', in 5th international conference for Artificial Intelligence And It's Emerging Areas (NEC-ICA-IEA-2K24) NEC Narsaraopet during 12th -13th April 2024, PP 1091-1096. ISBN: 978-93-91420-57-4.\
- 14) Nallam Vani Annapurna Bhavani, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, 'Optimizing Seven-Level Converter Performance in Renewable Energy Systems Using GWO'', in 2024 International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS) at Navkis college of Engineering, Hassan (NCEH) during 23rd – 24th August 2024, PP 1-6. ISBN: 979-8-3503-6066-0.
- 15) Nallam Vani Annapurna Bhavani, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, 'Optimizing Seven-Level Converter Performance in Renewable Energy Systems Using GWO'', in 2024 International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS) at Navkis college of Engineering, Hassan (NCEH) during 23rd – 24th August 2024, PP 1-6. ISBN: 979-8-3503-6066-0.
- 16) Nallam Vani Annapurna Bhavani, Alok Kumar Singh, **Dr. D. Vijaya Kumar**, 'Power Management in Grid-Connected SPV DSTATCOM Systems with Metaheuristic Optimization'', in 2024 International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS) at Navkis college of Engineering, Hassan (NCEH) during 23rd – 24th August 2024, PP 1-6. ISBN: - 979-8-3503-6067-7.

National Conference Papers:

- 1) G.V.K.R.Sastry, **D.VijayaKumar**, 'A new method of high order MIMO interval system reduction retaining Impulse energy'', IEEE sponsored Conference on computational intelligence, control and computer vision in Robotics & Automation, Roorkeela, March 9-10, 2008.
- 2) **Dr. D.Vijaya Kumar**, SkBajibasha, S.NagaRaju 'Power Quality Improvement By UPQC'', National Conference on Recent Developments in Electrical Engineering (NCRDEE-2013), Aditya Institute of Technology and Management, Tekkali, March 15-16, 2013
- 3) **Dr. D.Vijaya Kumar**, D.Vanajakshi, A.Jagannadham, 'Direct Torque Control of Brushless DC Drives with PWM Technique, National Conference on Recent

- Developments in Electrical Engineering (NCRDEE-2013), Aditya Institute of Technology and Management, Tekkali, March 15-16, 2013
- 4) **Dr. D.Vijaya Kumar**, Suresh Kumar Sahu, I.Ramesh, “Simulation of UPQC-ML using Hysteresis Control”, National Conference on Recent Developments in Electrical Engineering (NCRDEE-2013), Aditya Institute of Technology and Management, Tekkali, March 15-16, 2013
 - 5) **Dr. D.Vijaya Kumar**, B.Ramya, “Optimal Capacitor Placement and Sizing Unbalanced Distribution Systems for Minimize the Transmission Line Loss and to Improve the Voltage Profile Consideration Using Particle Swarm Optimization”, National Conference on Recent Developments in Electrical Engineering (NCRDEE-2013), Aditya Institute of Technology and Management, Tekkali, March 15-16, 2013.
 - 6) **Dr. D. Vijayakumar**, B. Trinadha, “Modeling and control strategies for a micro grid with Hybrid systems”, National conference on recent advances in control of energy systems at Sivani engineering college, Srikakulam on 16th & 17th Dec 2016
 - 7) Srinivasa Acharya, Dr. S. Ganesan, **Dr. D. Vijayakumar**, Dr. S. Subramanian “Optimum Load Dispatch using Multi-Verse Optimization”, National conference on Research & Innovations in Engineering Sciences & Management at GIET Engineering college, Rajahmundry on 8th - 9th March 2019.
 - 8) Srinivasa Acharya, Dr. S. Ganesan, Dr. **D. Vijayakumar**, Dr. S. Subramanian “Performance of Metaheuristic methods for combined economic and emission dispatch”, National conference on Research & Innovations in Engineering Sciences & Management at GIET Engineering college, Rajahmundry on 8th - 9th March 2019.
 - 9) Srinivasa Acharya, Dr. S. Ganesan, Dr. **D. Vijayakumar**, Dr. S. Subramanian “A new Multi verse optimization Algorithm for solving Combined Economic Emission Dispatch Problems”, National conference on Emerging Technologies in Electrical System (ETES-2019) at Government Engineering College, Salem on 4th April 2019.
 - 10) Chandra Sekhara Rao Menda, Dr. **D. Vijayakumar**, “Optimal Interconnection of connecting weights of an Artificial Neural Network using Simple Particle swarm optimization Technique”, National conference on Design thinking Transdisciplinary Challenges and opportunities at Andhra University, Visakhapatnam on 7th and 8th July 2023, ISBN: 978-93-5915-224-0.
 - 11) N. Sowjanya, Dr. **D. Vijayakumar**, “New Aspects in Reduction of Discrete Time SISO Interval Systems Retaining Impulse Energy”, National conference on Design thinking Transdisciplinary Challenges and opportunities at Andhra University, Visakhapatnam on 7th and 8th July 2023, ISBN: 978-93-5915-224-0.

- 12) Manmadha Kumar B, Tulasichandra Sekhar G, Rabindra Kumar Sahu, **Dr. D. Vijayakumar**, “Design and Analysis of FA optimized PID controller for Load Frequency Control Problem”, National conference on Recent Trends in Power Electronics & Drives at Aditya Institute of Technology and Management, Tekkali on 23rd- 26th January 2016.
- 13) J. Vijayachandra, **Dr. D. Vijayakumar**, B. Trinatha, “Simulation of Multi-Output DC-DC Resonant Converters Based on Switched Resonant Converters”, National conference on Recent Trends in Power Electronics & Drives at Aditya Institute of Technology and Management, Tekkali on 23rd- 26th January 2016.
- 14) K. Meghana, **Dr. D. Vijayakumar**, I. Ramesh, “Multilevel Converters for Large Electric Drives by Cascading a Flying Capacitor Inverter and an H-Bridge”, National conference on Recent Trends in Power Electronics & Drives at Aditya Institute of Technology and Management, Tekkali on 23rd- 26th January 2016.
- 15) B. Seshasai, Jagan Mohana Rao Ch, Manmadha Kumar B, **Dr. D. Vijayakumar**, “Fuzzy Based Speed Control of a Separately Excited DC Motor”, National conference on Recent Trends in Power Electronics & Drives at Aditya Institute of Technology and Management, Tekkali on 23rd- 26th January 2016.
- 16) G. Ramarao, I. Ramesh, **Dr. D. Vijayakumar**, “Design And Hardware Implementation Of Multifunctional Relay For Equipment Protection”, National conference on applications of evolutionary algorithms in power systems at Aditya Institute of Technology and Management, Tekkali on 28th - 29th April 2017.

Details of Conferences / Workshops / Refresher Courses Attended:

Sl. No	Name of the Course	Place	Title	Month & Year	National or International
1	A 3 weeks refresh course	JNTU, Hyderabad	Simulation tools for Electrical Engineering Applications	Feb-2003	National
2	A 1 Week training program	GVP college of Engineering, Visakhapatnam	Modelling of power system components	Dec-2003	National
3	A 3 weeks refresh course	JNTU, Hyderabad	Generation, Measurement & Testing in High Voltage Engg.	Oct-2004	National
4	A 2 day national workshop	Andhra University, Visakhapatnam	Emerging Trends in power sector	Jan-2005	National
5	A 2 day national workshop	JNTU, Kakinada	Real time power systems	Feb-2005	National

6	A 3 day short term course	Andhra University, Visakhapatnam	Advanced Theory of Control systems	Mar-2007	National
7	A 3 day national workshop	Shri Vishnu Engg. College For Women, Bhimavaram	Recent Advancements in Modeling and Simulation of Control systems	July-2007	National
8	A 2 day national workshop	AITAM College of Engineering , Tekkali	Advances in Electrical Engineering	Sep-2008	National
9	A 1 day national level workshop	MVGR College of Engg., Vizianagaram	Recent Trends in Electrical Engineering	Oct-2008	National
10	2 Weeks Faculty Development Programme	AITAM College of Engineering , Tekkali	Soft Computing Application to Power System and Control MAT Lab	April-2012	National
11	1 day workshop	AITAM College of Engineering , Tekkali	Outcome based education	19 Jan-2013	National
12	1 day Seminar	Visakhapatnam (Mathworks)	MAT LAB & Simulink for Engineering Education	07 th Feb, 2013	National
13	1 Week Faculty Development Programme	IIM Indore	Management Capacity Enhancement Programme	Jan 2014	National
14	02 days Workshop	AITAM College of Engineering , Tekkali	09 th ISTE A.P. Section Annual Convention and Awards Function-2014	Nov 2014	National
15	1 day Workshop	AITAM College of Engineering , Tekkali	Out Come Based Education	Dec 2014	National
16	1 day Workshop	AITAM College of Engineering , Tekkali (in Association with IUCEE)	Out Come Based Education	March 2015	National
17	1 Week Faculty Development Programme	AITAM College of Engineering , Tekkali	Effective Solutions to Smart-Grid	April 2015	National
18	1 Week Continuing Education Programme	Andhra University, Visakhapatnam	Contemporary Applications of Control Engineering	April 2015	National
19	1 Week Workshop	AITAM College of Engineering , Tekkali	Reviving Education by Implementing Active & Guided Inquiry Experiences in	August 2015	International

			Science, Technology, Engineering, Math & Management		
20	3 days training program	AITAM College of Engineering , Tekkali	Pedagogy and Management Capacity Enhancement Program for Teaching Staff	23 rd - 25 th June, 2016	National
21	1 day Awareness workshop	Engineering staff college of India	Intellectual Property Rights (IPR) in E&IT Sector	5 th July, 2016	National
22	1 week Faculty Development Programme	AITAM College of Engineering , Tekkali	Optimization Techniques for Electrical Engineering Applications	22 nd - 27 th Sept, 20 16	National
23	1 week Faculty Development Program	Teaching Learning Center, IIT Patna	Component and applications of IOT	24 th to 28 th September, 2016	National
24	1 week Faculty Development Programme	NIT, Warangal and AITAM, Tekkali	Internet of things and data analytics	12 th to 17 th Nov 2018	National
25	02 Day Workshop	AITAM, Tekkali	Outcome based Education	13 th to 14 th July, 2019	National
26	1 week Faculty Development Programme	Muffakham Jarh college of Engineering & technology Hyderabad	Machine Health Monitoring & Evaluation using IOT through ICT	25 th to 29 th March, 2019	National
27	1 week Faculty Development Programme	AITAM, Tekkali	Labview in Engineering & Academic Research	27 th Jan to 01 st Feb 2020	National
28	1 week Faculty Development Programme (Online)	CMR college of Engineering & technology Hyderabad	Research opportunities in power Engineering	22 nd – 27 th April, 2020	National
29	1 week Faculty Development Programme (Online)	Rajarambapu Institute of technology Islampur, Maharashtra	Design, Simulation and development of Unmanned Aerial vehicles	30 th April to 04 th May 2020	National
30	1 week Faculty Development Programme (Online)	SJB institute of technology, Bengaluru	Labview	4 th to 8 th May, 2020	National
31	2 week Faculty Development Programme (Online)	Government college of Engineering, Karad	Research opportunities in Electrical Engineering (TEQIP- III)	7 th to 16 th May, 2020	National
32	2 week Faculty Development	Andhra pradesh state skill	Internet of things (IOT)	18 th to 30 th May, 2020	National

	Programme (Online)	Development Corporation, Andhra pradesh			
33	1 week Faculty Development Programme (Online)	Chebrolu Engineering College, Guntur	Universal Human values and professional Ethics	13 th to 17 th May, 2020	National
34	1 week Faculty Development Programme (Online)	M.S. Ramaiah Institute of technology, Bengaluru	NBA and NAAC Accreditation Process	04 th to 08 th June, 2020	National
35	2 week Faculty Development Programme (Online)	NIT, Kurukshetra	Green Energy for technologies sustainable Development (TEQIP-III)	11 th – 20 th June, 2020	National
36	1 week Faculty Development Programme (Online)	MNIT, Bhopal	Future trends in Green Technologies	22 nd to 26 th June, 2020	National
37	1 week Faculty Development Programme (Online)	Indira Gandhi Institute of technology, Sarang	Renewable Power Generation, Control And Grid Integration (TEQIP-III)	10 th to 14 th August, 2020	National
38	1 week Faculty Development Programme (Online)	Government college of Engineering, Kalahandi Odisha	Recent Advances in Electronics and communication Engineering	17 th – 21 st August, 2020	National
39	1 week Faculty Development Programme (Online)	Bapatla Engineering College,Bapatla	IOT And Smart Device Application In Green Technology And Electric Vehicles	24 th to 28 th Aug, 2020	National
40	1 week Faculty Development Programme (Online)	Dr. N.G.P INSTITUTE OF TECHNOLOGY, COIMBATORE	Machine Learning & Internet Of Things For Industrial Applications	28 th Sep to 04 th Oct, 2020	National
41	01 Day Webinar (Online)	AITAM, TEKKALI	Challenges In Good Learning And Assessment - Post Covid 19	5 th September 2020	National
42	1 week Faculty Development Programme (Online)	Rajasthan technical university, Kota	Nano Technology Based Green Energy Solution For Solar Cells	10 th to 14 th September, 2020	National
43	01 Day Webinar (Online)	AITAM, TEKKALI	National Education Policy 2020	15 th September, 2020	National
44	1 week Faculty Development Programme (Online)	Indian society technical Education (Telengana Section)	Outcome base and Education Accreditation	05 th – 09 th October 2020	National
45	1 week Faculty	Ramachandra	An Integrative	02 nd to 06 th	National

	Development Programme (Online)	College of Engineering, Eluru	approach to Impact ethics and Moral values in Engineering Education	November, 2020	
46	2 week Faculty Development Programme (Online)	Sasi institute of technology and engineering tadepalligudem	Advanced power Electronic Applications in Power system	19 th to 31 st October, 2020	National
47	1 week Faculty Development Programme (Online)	IIT Varanasi	Transition towards Electric Vehicles and their charging Ecosystem in India	11 th to 16 th Jan, 2021	National
48	2 week Faculty Development Programme (Online)	BV Raju Institute of technology, Medak	Electric Vehicle (EV) Components, Technologies, Challenges and future Development	18 th to 30 th January, 2021	National
49	1 week Faculty Development Programme (Online)	IIT Varanasi	Challenges, opportunities and Emerging Trend in the Field of High voltage	01 st – 06 th February 2021	National
50	2 week Faculty Development Programme (Online)	Bapatla Engineering College, bapatla	Emerging technologies in Electric Vehicles	02 nd to 14 th August, 2021	National
51	One week FDP	NITTR, Chandigarh	Research Scope in Electric Vehicles	5 th Dec – 9 th Dec 2022	National
52	One week FDP	NITTR, Chandigarh	Effective Curriculum Implementation	12th - 16th December 2022	National
53	One week FDP	NITTR, Chandigarh	ANSYS-EM for Electrical Engineering Application	17 th – 21 st July 2023	National
54	One week FDP	NITTR, Chandigarh	Big Data Analytics in Smart Grid	12 th – 16 th Feb 2024	National
55	One week FDP	NITTR, Chandigarh	Employability Skills for Industry 4.0	29 th July- 02 nd Aug 2024	National
56	One week FDP	NITTR, Chandigarh	Smart Grid and Renewable Energy Sources	23 rd -27 th Sep 2024	National

Details of Conferences / Workshops / Refresher Courses Organized:

Sl. No	Name of the Course	Place	Title	Month & Year	Convener / Co-Convener	National or International
1	A 2dayStudents symposium	AITAM - Tekkali	AMPERE-2K12	12 th to 13 th March, 2012	Convener	National
2.	A 2dayStudents symposium	AITAM - Tekkali	ASPIRE-2K12	21 st to 22 nd ,September 2012	Co-Convener	National
3.	A 2 Weeks Faculty Development Programme	AITAM - Tekkali	Soft Computing Application to Power System and Control MAT LAB	16 th to 29 th ,April 2012	Co-Convener	National
4.	National Conference	AITAM - Tekkali	Recent Developments In Electrical Engineering (NCRDEE-2013)	15 th to 16 th , March 2013	Convener	National
5.	Short Term Training Programme	AITAM - Tekkali	Soft Computing Applications to Power Systems (SOFTCAPS)	26 th to 28 th December 2013	Convener	National
6.	A 2dayStudents symposium	AITAM - Tekkali	ASPIRE-2K15	26 th to 27 th , February 2015	Convener	National
7.	1 Week Faculty Development Programme	AITAM - Tekkali	Effective Solutions to Smart – Grid	04 th to 08 th , April 2015	Convener	National
8.	Two days National conference	AITAM - Tekkali	Recent Trends in Power Electronics and Drives	22 nd - 23 rd , January 2016	Convener	National (DST Sponsored)
9.	1 Week Faculty Development Programme	AITAM - Tekkali	Optimization Techniques for Electrical Engineering Applications	22 nd -27 th September 2016	Convener	National

10.	1 Week Faculty Development Programme	AITAM - Tekkali	Labview in Engineering & Academic Research	27 th January to 01 st February 2020	Convener	National
11.	International Conference, Springer	AITAM - Tekkali	Intelligent Computing in control and communication	7 th to 8 th August, 2020	Convener	National
12.	ATAL FDP	AITAM - Tekkali	Electric Vehicles	16 th to 20 th November 2020	Convener	National (AICTE Sponsored)
13.	One week FDP	NITTR, Chandigarh	Effective Curriculum Implementation	12 th – 16 th Dec 2022	National	National
14.	One week FDP	NITTR, Chandigarh	Outcome based Education and Accreditation Process	25 th -29 th Nov 2024	National	National

Patents published:

- 1) National Patent published on ‘‘ vehicle to grid (V2G) for EV charging Energy management system’’, in the year of 2021 (App no: 202141051391 A).
- 2) National Patent published on ‘‘ ITV-Self balancing vehicle intelligent self balancingtwo wheel vehicle’’, in the year of 2020 (App no: 202041014768 A).
- 3) National Patent published on ‘‘ Optimized integrated renewable energy sources for improving power quality with power electronic controllers’’, in the year of 2023.
- 4) National Patent published on ‘‘ AI integrated predictive inventory management system for manufacturing supply chains’’, in the year of 2023(App no: 202341076524 A).

Patents Granted:

- 1) International Paten Granted on ‘‘AI and ML based cyber security Device’’ in the year of February 2024 (Design number: 6344601)
- 2) International Paten Granted on ‘E vehicle based on solar energy’’ in the year of February 2024 (Design number: 6346289)

Other Achievements:

1. Ratified as Professor in 2012 in JNTUK selections.
2. Selected best paper in International Conference on Computational Intelligence and Engineering Applications to be held at Bhubaneswar, during 16th-17th, October, 2011
3. Received Certificate of Excellence in Electrical and Electronics Engineering by VSSUT Burla, International conference on computational intelligence in data mining, Conducted by Department of CSE, IT and MCA on 20th– 21st December 2014.
4. Received State Teacher Award 2019 in Electrical and Electronics Engineering by Institute of scholars (International), on 05thMarch 2018.
5. Received Best Electrical and Electronics Engineering Teacher 2020 Award sponsored by Geethanjali Institute of Science and Technology, Nellore (ISTE AP Section)

6. Certificate of Appreciation by AICTE, New Delhi (Coordinated ATAL Online FDP on Electrical vehicles from 16-11-2020 to 20-11-2020)
7. Received State Teacher Award 2022 in Electrical and Electronics Engineering by Government of Andhrapradesh, on 05th September 2022.
8. Received best paper award on ‘’ Wind farm based on PMSG for better dynamic stability’’, International conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2023) at Department of Electronics and Communication Engineering, Velammal Institute of Technology, Chennai on 23rd and 24th march, 2023.



Signature