

Name : **DR. POONAM UPADHYAY**

Designation: Professor and Head

Department: Electrical & Electronics Engineering

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Experience (in years): Teaching: 25 Research:10 Others (If any, Specify)



1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	B.E	1992	Electrical Engineering
2.	M.Tech	1996	Integrated Power Systems
3.	Ph.D	2008	Electrical Engineering

2. Teaching and Learning:

- 1.1. Teaching Interests: Power Systems, Power System Dynamics, Neural Networks, High Voltage Engineering, Network Analysis, Electromagnetic Field Theory
- 1.2. Novel Teaching & Learning Techniques adopted: Modern teaching tools and Active learning methodologies
- 1.3. Involvement in curriculum updating / Design: Chairman Board of studies, Member of Academic Council, Member of course structure and curriculum design committee for regulation 2015.

3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies: Music
- 3.2. CCA/ECA Organized: Faculty Coordinator for IEI chapter, Member in Convergence, Annual and culture day activity
- 3.3. CCA/ECA participated:
 - Involved in various seminar activities for B.Tech and M.Tech students.
- 3.4. Counseling and Mentoring Activity:
 - Actively involved in counseling and mentoring the students
- 3.5. Committees involved in:
 - As a BOS Chairman involved in UG & PG Curriculum Design and updation of Syllabus since October 2017
 - Coordinator of Internal Quality Assurance Cell from Dec 2013 to Jan 2018, Member of Institute Academic Committee.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

- Conducted an AICTE Sponsored National Conference on “National Economy and Social Transformation through Advances in Electrical Engineering” on August 28 and 29, 2012.
- Conducted TEQIP sponsored workshop on “High Voltage Technologies” on 29th and 30th April 2013.
- Conducted TEQIP sponsored workshop on “Analysis of Power System Networks using ETAP” on 29th and 30th December 2015.
- Organized a half day tutorial on “Advanced and Adaptive Protection of Emerging Distribution Systems” by Dr.S.S.(Mani) Venkata, Life Fellow of IEEE Principal Scientist, GE Grid Solutions and Affiliate Professor of EE, University of Washington, USA, in association with VNRVJIET and IEEE PES / IAS / PELS Joint Chapter, Hyderabad.
- Organized a seminar on “Quality metrics in Higher Education” by Dr.M.G.Sethuraman, Professor, Gandhigram Rural Institute, Tamilnadu on 10th Dec. 2016.
- Conducted two weeks FDP Program on “Electric Power System” through

ICT under national mission of education in association with IIT Kharagpur sponsored by MHRD from July 10th to 15th 2017.

- Chairman of International Conference on Innovations in Electrical, Electronics, Power, Smart Grids & Advanced Computing Technologies (IEEPS-18), March 9th and 10th 2018.
- Conducted two week FDP on “AI, Machine Learning and Deep Learning Applications to Smart Grid” Sponsored by DST, 25th November to 6th December 2019.
- Conducted Webinar series on “Artificial Intelligence & Applications in Electrical Distribution System” on 28th May 2020, “Resonant Converter and their Application in EV Charging on 29th May 2020, “Machine learning and its Applications in Electrical Engineering” on 30th May 2020 and “WAVECT Based PMSM Control of Electric Vehicles” on 3rd June 2020.

4.2 Attended:

- Attended a one day tutorial on “Smart Distribution Grids for Future – Challenges & Possible Solutions”, by Professor S.S. Venkata, Professor Emeritus & Chair, Iowa State University, USA at VNRVJIET, Hyderabad on July 13, 2009
- Attended a 3day Workshop on “PSCAD / EMTDC Applications in Electrical Engineering” at VNRVJIET, Hyderabad during 05-05-2009 to 07-05-2009.
- Attended 3day workshop on “Simulation of Power Systems using Mi POWER Software” at VNRVJIET during 25-02-2010 to 27-02-2010.
- Attended Expert Lecture on “Real Time Ratings Applications in Transmission Networks” by Dr. Sudhakar Cherukupalli, Team Leader – Transmission Cable (Design), British Columbia Hydro Power Corporation, Vancouver, Canada, on July 28th, 2010 at JNTU Hyderabad, Jointly organized by VNRVJIET and JNTU Hyderabad
- Attended 3day National Conference on “National Power Systems Conference (NPSC)”, during 15-12-2010 to 17-12-10 at Osmania University, Hyderabad
- Attended a 2 day’s Workshop on “Modeling and Control of Electrical Machines” at VNRVJIET, Hyderabad during 28-01-2011 to 29-01-2011
- Attended AICTE Sponsored Twelve day Staff Development Programme (SDP) on “Modern Control Techniques for Power Systems (MCTPS – 2012) “at VNR VJIET, Hyderabad during 18-06-12 to 30-06-12
- Attended and organized a two day TEQIP-II sponsored national level workshop on “High Voltage Technology “during 29th – 30th April 2013 at VNRVJIET, Bachupally, Hyderabad
- Attended 3 day’s work shop on “Art of Teaching “conducted, VNRVJIET, Bachupally, Hyderabad during 06-05-2013 to 08-05-13 under TEQIP-II.
- Attended a work shop on “POGIL (Process Guided Inquiry Learning “by VNRVJIET, Hyderabad during the year 2013
- Introduction to Solar Energy based systems by Mr. M. Jagadiswar Reddy, MD, Solaris Innovations & Systems, Hyderabad (Alumni, EEED, VNRVJIET) 25/01/2014
- Workshop on Internal Quality mechanism at IIT Chennai from 27th to 29th Oct 2014 at IIT Chennai
- Operational Issues in Substations & Transmission Lines by Mr. S. Apparao, Additional Divisional Engineer, APTRANSCO, 04-02-2014
- Attended a three day TEQIP Phase II sponsored workshop on “Outcome Based Accreditation” from 15th to 17th February 2014 at JNTU, Hyderabad

- Outcome based Education and Accreditation Process under TEQIP, 19-07-2014
- “Power Control” ‘How Technology has changed in the last 20 years’ by Dr. M. Ramamoorthy, Former Director General, CPRI, 27- 09-2014
- 3day’s work shop Mi Power Software Work Shop TEQIPII, EEED, VNRVJIET, 05-01-2015 to 07-01-2015
- Workshop on Simulation of Electrical Systems Using Mi power Software from 5th to 7th Jan 2015 at VNRVJIET.
- Workshop on "Emerging Trends In Power Electronics & Power Systems" (Etpes-2016) From 16th -20th May 2016.
- Attended ISTE STTP coordinators workshop on “Electric Power System” at IIT Kharagpur sponsored by MHRD under national mission of education from 1st May to 5th May’17.
- Attended The 2018 faraday memorial lecture on “gas insulated lines – new age technology for bulk power transmission”, at Hyderabad/ on 24-nov-2018 Conducted by IEEE Hyderabad Section.
- Attended Expert talk on " ERCOT Electricity markets overviewand Emerging Challenges” by Dr. M. Sainath Moorthy, Principal ,Market Design and Analysis at the Electric Reliability Council of Texas conducted by VNRVJIET under IEEE, Power and Energy Society (PES) student chapter.
- Attended Seminar on “Electrical Equipment in Power Plants - Concepts, Operation and Design aspects” at VNRVJIET Conducted by IEEE Hyderabad Section on 22nd Feb 2019.
- Attended workshop conducted by VNRVJIET on “Workshop on effective utilization of digital platforms for online teaching and learning” on 1st to 3rd May 2020.
- Attended one week training program conducted by Bennett University, Noida under Leading India Initiative on “Python for Data Sciences” between 13th May to 17th May 2020.
- Attended Webinar conducted by IEEE Hyderabad Section/PES Chapter on “Solid State Transformers and Their Applications in Offshore Energy Systems” on 15th May 2020.
- Attended Hands on Session Conducted by IEEE Hyderabad Section and VNRVJIET on “VNR IEEE SB Hands-on session on Latex” on 21st May 2020
- Attended Webinar conducted by IEEE Hyderabad Section/PES Chapter on “New Challenges in Electricity Distribution and Regulation” on 22nd May 2020.
- Attended IIT Bombay Spoken Tutorial workshop on “Scilab training” on 25th May to 30th May 2020 Online, organiged by Vaghdevi College of Engg.
- Attended Webinar conducted by IEEE Hyderabad Section/PES Chapter on “FACTS and their Applications in Power Transmission Networks” on 20th June 2020.
- Attended Online FDP course on “Next-Generation Semiconductor Devices for high-end applications“ (21st-27th June 2020) is organized by NIT Patna in association with Electronics & ICT Academy.
- Attended FDP conducted by VNRVJIET on “Effective Online teaching through ICT tools” on 29th June to 4th July 2020.
- Attended FDP on “Fuel Cell Technology and its Research Opportunities “ conducted by Department of Mechanical Engineering, N I T Warangal, between 4th Jan to 8th Jan 2021.
- Attended AICTE-ISTE Sponsored " Hybrid Energy Storage Systems-DPE"

Phase-III conducted by Pragati Engineering College, AP through online on 19th to 25th May 2021.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

- Delivered a lecture on “An Introduction to Artificial Neural Networks and its Application to Electrical Engineering” for UGC Sponsored Refresher course as a resource person on Power Systems and Deregulations on 2-7-2011.
- Delivered a lecture on “Generation and Measuring techniques of High Voltages” for UGC Sponsored Refresher course as a resource person on High Voltage Engineering on 2-11-2011.
- Delivered a lecture on “Dielectric Breakdown Phenomenon due to Effect of Metallic particles in Gas Insulated Bus Ducts” for AICTE Sponsored Staff development Program as a resource person on Modern Control Techniques in Power Systems on 23-6-2012.
- Delivered a Guest lecture on “Gas Insulated Bus Ducts” in St. Peter institute of Engineering on 25th July 2012.
- Delivered a Guest lecture on “Power Flow Techniques for Various Applications in Research” in St. Peter institute of Engineering on 9th October 2015.
- Presented a paper on “Impact of IQAC towards Achieving Academic Excellence in Autonomous College - A Case Study of VNRVJIET” at NAAC sponsored national conference at Sacred Heart College Thirupattur on 4th Nov. 2016.
- Delivered a seminar in National level E-Seminar on “Quality Improvement strategies in Higher Education Institutes” organized by IQAC, Govt D.B. Girls college Raipu and IQAC, S.S.Girls college Gondia on 19th September 2021.
- Delivered an expert talk on the topic “Basics of Artificial Intelligence” in Online AICTE-ISTE sponsored induction/refresher course on "RECENT TRENDS IN MECHATRONICS" in Phase I : 18th - 24th March 2021, Phase II: 22nd - 28th April 2021, 2021 and, Phase III: 06th -12th May 2021 on 23rd March, 27th April and 11th May respectively organized by Kamala Institute of Technology and Science, Karimnagar, Telangana.
- Delivered a session on “Usage of Partial Derivatives in Electromagnetic Field Theory” at VNRVJIET to the department of H&S on 24th May 2021.

5.2. Articles/Chapters published in Books:

1. **Upadhyay.P, Vamsi Ram.B,**” N-2 Contingency Screening and Ranking of an IEEE Test System” Lecture notes on Data Engineering and Communication Technologies, Published by Springer 2020.
2. Sadanandam Perumandla, Poonam Upadhyay, A. Jayalaxmi, Jaya Prakash Nasam, ”Modulated Frequency Triangular Carrier Based Space Vector PWM Technique for Spreading Induction Motor Acoustic Noise Spectrum”, Book Chapter in Learning and Analytics in Intelligent Systems published by Springer 2019
3. A Giriprasad, B Shruthi, Poonam Upadhyay, T Nireekshana, “Analysis of movement on conducting particle moment by varying the particle dimensions in gas insulated bus duct using Numerical methods “ Book chapter in **Springer Lecture note** in Electrical Engineering (LNEE)- (Intelligent Computing in Control and Communication), Volume 702, pp 595-608; 05 January 2021; ISSN: 978-981-15-8439-8;
4. S Ravikumar, Poonam Upadhyay, B Anjan, “Line Stability Index-Based Voltage Stability Assessment Placing Series Compensation of TCSC”, **Book chapter** by

Springer, Singapore as a part of Book Series “Learning and Analytics in Intelligent Systems, Volume 20, pp 57-67; 23rd January 2021.

5. Poonam Upadhyay, S Ravikumar, “Line Stability Index-Based Voltage Stability Assessment Using CSO Incorporating Thyristor Controlled Series Capacitor” Book Chapter Springer, Singapore as a part of Book Series Advances in Intelligent Systems and Computing, Volume 1272, pp 845-861; 25th January 2021.

5.3. Books published as single author or as editor: Reviewed a book for Tata Mc Graw Hill publisher, on “Electrical Circuit Analysis”.

5.4. Projects Guided:

a) UG: 21

b) PG: 15

5.5. Research Interests: Power Systems and High Voltage Engineering

5.6. Ph.D Students:

a) Enrolled: 6

b) Submitted:

c) Awarded:2

5.7. Papers published in reviewed Journals:

S. No	Name of Authors	Title of the Paper/ Book Chapter/Books	Title of the Journal /Title of the Conference/Title of Books	Volume and Issue No./ Year of Publication/ Dates of the Conference & Page Nos.
1	A. Giriprasad, J.Amarnath, Poonam Upadhyay	EFFECT OF VOLTAGE ON CONDUCTING PARTICLE MOVEMENT IN SINGLE PHASE GAS INSULATED BUSDUCT USING ANALYTICAL METHOD AND CSM CONSIDERING WITH AND WITH OUT IMAGE CHARGES	International Journal of Electrical and Electronics Engineering Research (IJEEER)	Vol. 4, Issue 4, Page No: 39-44, August 2014 ISSN(P): 2250-155X; ISSN(E): 2278-943X
2	M. AVINASH, PoonamUpadhyay	STUDY OF STATIC VAR COMPENSATOR WITH FUZZY LOGIC CONTROLLER FOR TWO MACHINE THREE BUS POWER SYSTEM	International Journal of Engineering and Computer Science, 2014	Volume 3, Issue 6, 30-38
3	M.Srikanth,S.Tarakalyani, PoonamUpadhyay	Grid Connected Single-Phase Bidirectional Inverter with MPPT Tracker	International Electrical Engineering Journal (IEEJ), Volume 6, Issue 5, June, 2015	1898-1904 ISSN 2078-2365
4	D.Charishma, Poonam Upadyay, D. Ravi Kumar, U. Haritha	REACTIVE POWER COMPENSATION IN POWER SYSTEM USING	International Journal of Latest Research in Science and Technology ,Volume 4, Issue 4, July-August 2015	110-113 ISSN (Online):2278-5299

		EVOLUTIONARY ALGORITHM		
5	Rathnasagar Rangu, Poonam Upadhyay	Study of Transient Stability Improvement of IEEE 9-Bus System by using SVC	<i>International Journal of Engineering Trends and Technology (IJETT) – Volume 27 Number 3, September 2015</i>	162-166 ISSN: 2231-5381
6	BodlaRajashree, Poonam Upadhyay	Application of Intelligent Technique for Economic Load Dispatch for Power System: A Review	International Journal of Application or Innovation in Engineering & Management (IJAIEM), Volume 5, Issue 9, September 2016	100-106 ISSN: 2319 -4847
7	Giri Prasad. A, Poonam Upadhyay, M Suryakalavathy, Meghana. P	Assessment of SF6 and N2 Gas Mixtures as a Dielectric Medium in a Gas Insulated Busduct	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Vol. 8, No. 9S2, July 2019, pp. 347-350 ISSN: 2278-3075 DOI : 10.35940/ijitee.I1074.0789S219
8	Giri Prasad. A, Poonam Upadhyay, M Suryakalavathy, Meghana. P	Effect of Metallic Particle Movement at Different Positions of Particle on Spacer in a 1-Ø GIB	International Journal of Recent Technology and Engineering (IJRTE)	Vol. 8, No. 2S11, Sep. 2019, pp. 2436-2438 ISSN: 2277-3878, DOI: 10.35940/ijrte.B1283.0982S1119
9	Sadanandam Perumandla, Poonam Upadhyay, A. Jayalaxmi, Jaya Prakash Nasam	Modulated Frequency Triangular Carrier Based Space Vector PWM Technique for Spreading Induction Motor Acoustic Noise Spectrum (Book Chapter)	Advances in Decision Sciences, Image Processing, Security and Computer Vision	Vol. 4, Dec. 2019, pp. 470-480
10	M.Srikanth,Dr.Poonam Upadhyay,S.Tara Kalyani	Single phase Grid Connected Bi-Directional Inverter fed Photovoltaic System for Constant DC Load	Journal of Advanced Research in Dynamical and Control Systems	Vol. 10, Spl. No.9, May 2018, pp. 1004-1012
11	M.Srikanth,Dr.Poonam Upadhyay,S.Tara Kalyani	Control Of Dc Distribution System With Single Phase Utility Interface	Journal of Advanced Research in Dynamical and Control Systems	Vol. 10, Spl. No.9, May 2018, pp. 1013-1021
12	M.Ramya,G.Radhika, Poonam Upadhyay	Collation Studies of Sequence Impedances for Underground Cables with Different Layouts	International Journal of Engineering Trends and Technology (IJETT)	Vol. 49, No. 4, July 2017, pp. 250-255 ISSN:2231-5381 DOI: 10.14445/22315381/IJETT-V49P238
13	Ambati Giriprasad,Poonam Upadhyay,M.Surya kalavathy,N.karthik	Electric Field Effect on Metallic Particle Movement for 145kV Gas Insulated Bus Duct Using Different Numerical	Journal of Advanced Research in Dynamical and Control Systems	Vol-10, Special Issue-12, Aug. 2018, pp.343-351

		Methods		
14	B.Vamshi Ram, Poonam Upadhyay, G.Radhika	N-2 Contingency Analysis of an IEEE 14 bus system using MI Power	International Journal of Engineering and Technology	Vol. 7, No. 4.22, Aug. 2018, pp. 211-214
15	M.Srikanth,Dr.Poona m Upadhyay,S.Tara Kalyani	Design and Development of Buck/Boost Converter for Maintaining the Constant DC Supply to meet the Load Requirement	International Journal of Engineering and Technology	Vol. 7, No. 4.22, Aug. 2018, pp. 215-220
16	A.Giri Prasad, Poonam Upadhyay, M. Surya Kalavathi, N. Karthik	Control of Movement of Metallic Particles in a GIS	International Journal of Engineering and Technology	Vol. 7, No. 4.22, Aug. 2018, pp. 259-263
17	Giri Prasad. A, Poonam Upadhyay, M Suryakalavathy, Meghana. P	Assessment of SF6 and N2 Gas Mixtures as a Dielectric Medium in a Gas Insulated Busduct	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Vol. 8, No. 9S2, July 2019, pp. 347-350
18	Giri Prasad. A, Poonam Upadhyay, M Suryakalavathy, Meghana. P	Effect of Metallic Particle Movement at Different Positions of Particle on Spacer in a 1-Ø GIB	International Journal of Recent Technology and Engineering (IJRTE)	Vol. 8, No. 2S11, Sep. 2019, pp. 2436-2438
19	Giri Prasad. A, Poonam Upadhyay, M Suryakalavathy, Meghana. P	Assessment of SF6 and N2 Gas Mixtures as a Dielectric Medium in a Gas Insulated Busduct	International Journal of Innovative Technology and Exploring Engineering	Vol. 8, No. 9S2, July 2019, pp. 347-350
20	Giri Prasad. A, Poonam Upadhyay, M Suryakalavathy, Meghana. P	Effect of Metallic Particle Movement at Different Positions of Particle on Spacer in a 1-Ø GIB	International Journal of Recent Technology and Engineering	Vol. 8, No. 2S11, Sep. 2019, pp. 2436-2438
21	Sadanandam Perumandla, Dr.Poonam Upadhyay, Dr.A.Jayalaxmi	Performance Comparison of Asymmetric – Carrier Random and Dual Random PWM Algorithms for Variable Speed Drives	Asian Power Electronics Journal (APEJ) , Vol. 12, No. 2, December 2018.	pg.no. 36-40, Digital Ref:APEJ-2017-10- 0522.
22	Sadanandam Perumandla., Dr.Poonam Upadhyay and Dr.A.Jayalaxmi	Dual Radom Pulse Width Modulation Based Spread Spectrum Modulation	International Journal of Control Theory and Applications (IJCTA)	<i>pp. 125-141</i> , Vol.10, No.38, May- 2017, ISSN: 0974-5572
23	M. Srikanth , B. Pakkiraiah , Poonam Upadhyay and S. Tara Kalyani	Dual-Mode Photovoltaic Bidirectional Inverter Operation for	<i>Hindawi, International Journal of Photo Energy</i>	http://doi.org/10.1155/ 2019/8498435

		Seamless Power Transfer to DC and AC Loads with the Grid Interface		
24	T. Nireekshana, Poonam Upadhyay, J. Bhavani, N. Krishna Kumari	Comparative Analysis of Multi Objective Optimal Power Flow in Power Systems	Journal of Recent Trends in Electrical Power System, Volume 3 Issue 2, Page 1-12, July 2020	DOI: http://doi.org/10.5281/zenodo.3988980

5.8. Papers presented at National / International Conferences:

S. No	Name of Authors	Title of the Paper/ Book Chapter/Books	Title of the Journal /Title of the Conference/Title of Books	Volume and Issue No./ Year of Publication/ Dates of the Conference & Page Nos.
1	Upadhyay Poonam; Amarnath, J; Singh, Bhanu Pratap; Shrivastava, KD	Determination of particle trajectories in an isolated conductor GIB using neural network approach	IEEE International Conference on Electrical Insulation and Dielectric Phenomena, 2003. Annual Report, New Mexico	502-505 Print ISBN: 0-7803-7910-1 DOI: 10.1109/CEIDP.2003.1254902
2	Upadhyay, Poonam; Amernath, J; Singh, BP; Upadhyay, Pravin	Particle Trajectory in Single Phase SF6/N2 Bus Duct for Power Frequency Voltage	IEEE First International Conference on Industrial and Information Systems, Peradeniya, Srilanks, 2006	6-9 Print ISBN: 1-4244-0322-7 DOI: 10.1109/ICIIS.2006.365625
3	Upadhyay, Poonam; Amernath, J; Singh, Bhanu Pratap	Determination of Particle Movement of Conducting Particles in SF6/N2 Mixture GIL Using Monte Carlo Simulation	IEEE International Conference on Electrical Insulation and Dielectric Phenomena, 2006. Annual Report, Kansas City, MO, USA, 2007	Print ISBN: 1-4244-0547-5 DOI: 10.1109/CEIDP.2006.312115
4	Upadhyay, Poonam; Amernath, J; Singh, Bhanu Pratap	Movement of Metallic Particles in Gas Insulated Line Using SF6 and N2 Gas Mixture under the Influence of Power Frequency and Switching Transient Voltage	IEEE International Conference on Electrical Insulation and Dielectric Phenomena, 2006. Annual Report, Kansas City, MO, USA	280 – 283 Print ISBN: 1-4244-0547-5 DOI: 10.1109/CEIDP.2006.311923
5	Amarnath. J.Singh, B.P. , Upadhyay, P.	Determination of breakdown voltages in SF6/N2 gas insulated line	IEEE International Conference on Electrical Insulation and Dielectric	Pages: 687 – 690, E-ISBN : 978-1-4244-1482-6

			Phenomenon (CEIDP), Canada , 14-17 OCT 2007,	Print ISBN: 978-1-4244-1482-6, DOI: 10.1109/CEIDP.2007.4451600
6	Upadhyay, Poonam; Amarnath, J	Movement of Metallic Particle in Coated and Uncoated SF 6/N 2 Gas Mixture GIB	IEEE Region 10 and the Third international Conference on Industrial and Information, Systems, 2008. ICIIS 2008, IITKharagpur, India , 08-12-2008	1-4, Print ISBN: 978-1-4244-2806-9 DOI: 10.1109/ICIINFS.2008.4798484
7	K.Sushma Reddy, Dr.G.S.RajuDr.Poonam Upaday	Design of Optimal Grounding Mats for High Voltage Substation	IEEE International conference on Advances in Power Conversion & Energy Technologies, 2-4 Aug. 2012	Pages: 1 - 4 ISBN: 978-1-4673-2042-9 DOI: 10.1109/APCET.2012.6302074
8	M.Srikanth,PoonamUp adhyayJ.Amarnath	Simulation of free conducting particles speed control in a 1-Φ compressed gas insulated bus duct under electromagnetic field effect	International Conference on Smart Electric Grid (ISEG), 19 th Sept 2014	1-5 Electronic ISBN: 978-1-4799-4103-2 CD-ROM ISBN: 978-1-4799-4104-9 DOI: 10.1109/ISEG.2014.7005590
9	BodlaRajashree, Poonam Upadhyay	PSO approach for ELD problem: A review	WIECON-ECE 2016 - 2016 IEEE International WIE Conference on Electrical and Computer Engineering	Electronic ISBN: 978-1-5090-3745-2 CD: 978-1-5090-3743-8 Print on Demand(PoD) ISBN: 978-1-5090-3746-9
10	N.Krishna Kumari,Dr.Poonam Upadhyay,Renu K	Qualitative Analysis of Diode Clamped Multi Level Inverter fed Induction Motor with Phase Shifted SPWM	IEEE Proceedings	21-22 Sept. 2017, pp. 817-822
11	Ambati Giriprasad,Poonam Upadhyay,M.Surya kalavathy,N.karthik	Analysis of Movement of Metallic Particle in 400kV Segregated Enclosure Gas Insulated Busduct using different numerical methods	IEEE Proceedings	27-28 July 2018
12	Ambati Giriprasad,Poonam Upadhyay,M.Suryaka lavathy, Narapareddy	Comparative Analysis of Metallic Particle Trajectory for 145KV Gas Insulated Busduct	International conference on research Advancements in	13-14 July 2018

	Ramarao		Applied Engineering Sciences, computer and communication Technologies	
13	Sadanandam Perumandla., Dr.Poonam Upadhyay and Dr.A.Jayalaxmi	Fuzzy Based Random Pulse Width Modulation Technique for Performance Improvement of Induction Motor	<i>5th International Electrical Engineering Congress (iEECON – 2017), an IEEE Conference (IEEE Thailand Section)</i> organized by Rajamangala University of Technology, Thanyaburi, Pattaya, Thailand	ISSN: 5090-4666, <i>Proceedings</i> , pg.No.65-68
14	Poonam Upadhyay, S.Ravikumar	Line Stability Index Based Voltage Stability Assessment Using CSO Incorporating Thyristor Controlled Series Capacitor	4th IEEE Technically Sponsored INTERNATIONAL CONFERENCE ON COMPUTING METHODOLOGIES AND COMMUNICATION (ICCMC 2020), March 11 th and 12 th , 2020, Surya Engineering College, Erode, Tamilnadu , India	Conference Proceeding

5.9. Sponsored research Projects: Nil

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1	No load Power loss acquisition for transformer core.	Shirdi Sai Electrical Limited	1 year	Rs. 10,00,000/-	Phase One Completed

6. Awards / Honors received: Nil

7. **Motto:** Develop the better future by providing the knowledge base through cumulative innovation, cultivation, and nurturing engineering brains