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Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical & Electronics Engineering (Accredited by NBA)

List of Faculty Research Papers with online links

Academic year: 2020-21

S. No	Names of the Author	Title	Journal	Year & Month of Publication	Vol. No., Issue No. and pg. nos.	ISSN No /ISBN No/Digital Object Identifier(DOI)
1.	Dr. A. Srujana	Power Quality Enhancement in a Distributed Energy Resources System With PSO Based Novel Controller	International Journal of Mechanical Engineering	December, 2021	Vol. 6 No. 3 ,ISSN: 0974-5823 ,pgno:Pgno:169 4-1702	https://kalaharijournals.com/resources/d ec 212.pdf
2.	Dr. A. Srujana	Integrated Renewable Energy Sources for the minimization of Emission and Economic Operation of Power System	International Journal of Aquatic Science	2021&June	Vol 12, Issue 03, 2021	http://www.journal-aquaticscience.com/article_134358.html
3.	Dr. A. Srujana	Maximum power point tracking optimization and harmonics distributions control on PV systems	IT in Industry	Aug-21	Vol 9, No 3, 876-884	maximum power point tracking optimization and harmonics distortions control on pv systems information technology in industry (it-in-industry.org)
4.	Mrs.V. Vijaya Lakshmi	Hybrid distributed power distribution system with an integrated three port converter for photovoltaic cell/Battery	IT in Industry	Aug-21	Vol 9, No 3, 891-900	hybrid distributed power distribution system with an integrated three port converter for photovoltaic cell /battery information technology in industry (it-in-industry.org)

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5.	Mr.M.Vijay Kumar	Power Quality Improvement For Wind Large Scale Integration With Multi Frequency Oscillations With Measured	IT in Industry	Aug-21	Vol 9, No 3, 901-909	tps://www.it-in-industry.org/index.php/itii/article/view/752
6.	Mr. T. Parameshwar	Implementation of the electrical spring for enhancing the power quality in PV based DC grid	IT in Industry	Aug-21	Vol 9, No 3, 885-890	implementation of the electrical spring for enhancing the power quality in pv based dc grid information technology in industry (it-in-industry.org)
7.	Dr. A.Srujana,	Solving constrained economic electrical energy generation and CO2 emission dispatch using hybrid algorithm	Environmental Technology & Innovation	29-Sep-21		doi: https://doi.org/10.1016/j.eti.2021.101999
8.	K. Swapna	Survival Study on Bidding Strategy for Microgrid Interfaced Distributed Renewable Energy Sources	Institute of Electrical and Electronics Engineers (IEEE) - ASIANCON, PUNE	Aug-21	978-1-7281-8403-6	https://doi.org/10.1109/asiancon51346.2021.9544891
9.	Dr.A.Srujana , A. Srilatha, Mr. S. Suresh	Electric Vehicle Battery Modelling and Simulation Using MATLAB-Simulink	Turkish Journal of Computer and Mathematics Education	April 2021 SCOPUS	4604-4609	https://doi.org/10.17762/turcomat.v12i3.1853



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10.	Abirami, P., Ravi, C.N	Load flow analysis of 10 bus loop distribution network excited by a generator simulated using open modelica editor	International Journal of Power Electronics and Drive Systems	2021 SCOPUS	12(2), pp. 1006–1014	http://doi.org/10.11591/ijpeds.v12.i2.pp1006-1014
11.	A. Srilatha, S. Suresh, K. Sathish Kumar	Control Strategy Of Three-Level DC /DC Converter For Fast Charging Of Lithium-Ion Battery For Electric Vehicles	International Research Journal of Modernization in Engineering Technology and Science	2021 & May	-	https://www.irjmets.com/uploadedfiles/paper/volume3/issue_5_may_2021/10561/1628083424.pdf
12.	K.Haritha, L.Raju	Converging Offshore wind energy difficulties	International Journal of Aquatic Science	July & 2021	ISSN 2008-8019, Vol 12, Issue 3	http://www.journal-aquaticscience.com/article_134068_8c81e3024aeef9cbadf7492eccc1299d.pdf
13.	Mrs. S. Chaitanya	Renewable energy optimization with implementation of multiple objective optimization algorithm based on load scheduling	IT in Industry	Aug-21	Vol 9, No 3, 863-875	renewable energy optimization with implementation of multiple objective optimization algorithm based on load scheduling information technology in industry (it-in-industry.org)
14.	Dr. A. Srujana	DFIG fault detection and control strategies for optimal generation of large renewable power plants	IT in Industry	Aug-21	Vol 9, No 3, 848-862	dfig fault detection and control strategies for optimal operation of large renewable power plants information technology in industry (it-in-industry.org)



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15.	S.Chaitanya, S.Suresh	Power Factor Correction Method Using PFC BOOST Converter For Non-Linear Loads	International Journal Of Creative Research Thoughts - IJCRT	June 2021 UGC	Volume 9, Issue 6 J	https://ijcrt.org/papers/ijcrt2106459.pdf
16.	MD Qutubuddin, Azeem Hussain, Rajesh B and Narri Yadaiah	Model Predictive Controller for Permanent Magnet Synchronous Motor Drive: Analysis of Speed controllers	Institute of Electrical and Electronics Engineers (IEEE) - HYDCON	Nov, 2020 IEEE	ISBN:978-1- 7281-4995-0	https://doi.org/10.1109/hydcon48903.2020.9242725
17.	C. N. Ravi, K. Vasanth, R. Harikrishnan, D. Godwin Immanuel, D. Lakshmi, G Madhusudhana Rao	Solving Combined Economic and Emission Dispatch problem Using Hybrid RGA-DE Algorithm	American Institute of Steel Construction	2020 WoS, Scopus	769-777	doi 10.1007/978-981-15-1084-7_75
18.	A. Mohandas	A Diode Clamped Potential Balancing Method For Z-Source	International Journal of Research Publication and Reviews	Jul-21	Vol (2) Issue (7)	https://www.ijrpr.com/uploads/v2issue7/ijrpr667.pdf



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19.	A. Srilatha, Dr.A. Pandian, Dr. P. Srinivasa Varma	Harmonics reduction Technique of 48 Pulse Converter with PI Controller for Electric Vehicle Fast Charger	Journal of Critical Reviews	September – 2020, scopus	Volume 5, Issue 9, 1292-1300	https://ijisrt.com/assets/upload/files/ijisrt20sep774.pdf
20.	Dr.A.Srujana, Venugopal Reddy Bodha	Combination of ANFIS and PI Based Add-on Controller for Secondary waves and in Least Voltage Micro Grid	International Journal of Advanced Science and Technology	July – 2020, scopus	Volume. 29, No. 7, pp. 811-822.	http://sersc.org/journals/index.php/ijast/issue/view/283
21.	K. Rakesh Kumar, Dr. A. Srujana	Plug-And-Play Compliant Control Hybrid System For Micro-Grid	Journal of Critical Reviews	July – 2020, scopus	Vol 7, Issue 04, pp- 3944- 3959	http://www.jcreview.com/admin/uploads/files/61b8fa07c944d5.72027860.pdf
22.	Kore. Manohar, Dr. A. Srujana	Harmonics Suppression In Induction Motor With SVPWM In PV System	Journal of Critical Reviews	July – 2020, scopus	Volume. 29, No. 7, pp. 2693- 2703	https://drive.google.com/file/d/1ku5sakupkbhvr4ej7c1eb8e42ceydtw7/view
23.	Sudula Krishna Prasad, C. N. Ravi	PV With Dual-Battery Energy Storage by Bidirectional DC/DC Converter for Hybrid Electric Vehicle System	Journal of Critical Reviews	July – 2020, scopus	Volume 7, Issue 16, Pp: 2713- 2726	https://drive.google.com/file/d/1v8vri57o93lgsp_p4jrhel1pwhouzbdd/view
24.	S.D.Sundarsingh,N .Kiruthika, A.Ramesh Babu, G.T.Sundarrajan, A.KalaiMurugan, C.N.Ravi	Intelligent Control of Power Quality Improvement in grid with combined FACTS Devices	Journal of Critical Reviews	July – 2020, scopus	Volume 7, Issue 16, Pp: 2713- 2726	https://drive.google.com/file/d/1xi551xhy9wond_ggzdtrikfigsvrcixa/view
25.	Mohammed Farisuddin D.Srinivas	Distribution Network Power Quality Enhancement By ANN And STATCOM	Journal of Critical Reviews	July – 2020, scopus	Volume 7, Issue 16, Pp: 2976- 2986	issn- 2394-5125



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26.	K. Sai Prakash, Parameshwar Tummeti	Power Factor Correction Using Electric Springs With Current-Source Inverters For Critical Loads	Journal of Critical Reviews	July – 2020, scopus	Volume 7, Issue 09, Pp: 2965-2975	issn- 2394-5125
27.	Bannenolla Keerthana M. Vijay Kumar	Distributed Generation Hybrid System Power Quality by Using DSTATCOM	Journal of Critical Reviews	July – 2020, scopus	Volume 7, Issue 04, 2352-2365 pp-	61b5cdf1794ed3.80836684.pdf (icreview.com)
28.	K.Teja Sree, B. Rajesh	Analysis Of Single-Phase Transformer Less Inverter For Hybrid Renewable Energy Sources	Journal of Critical Reviews	July – 2020, scopus	Volume 7, Issue 04, Pp_ 3975-3987	http://www.icreview.com/admin/uploads/files/61b8fa5f840f70.86800029.pdf
29.	B. Sabitha, Dr. D. Bala Gangi Reddy	UPQC Based SFCL For Power Quality In A Distribution Power System	Journal of Critical Reviews	July – 2020, scopus	Volume 7, Issue 04,Pp- 3960-3974	doi: 10.31838/jcr.07.04.441
30.	P.Rajitha, Dr. D. Bala Gangi Reddy	A Buck and Boost Single Phase Grid Connected Transformer less Photovoltaic (PV) Inverter based fuzzy controller	Journal of Critical Reviews	July – 2020, scopus	Volume 7, Issue 05,Pp- 2846	issn- 2394-5125
31.	P. Srivani, Mr. P. Nageswara Rao, Mr.Hussain Shaik	An F-P/Q Droop control In Cascaded Type Microgrid To Achieve Power Balance Under Both Resistive-Inductive And Resistive capacitive Loads Autonomously	Journal of Critical Reviews	July – 2020, scopus	Volume 7, Issue 16, Pp- 2704-2712	Issn-2394-5125



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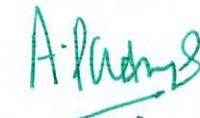
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32.	S. D. Sundarsingh Jebaseelan, K. Vasanth, S. Jayaprakash, G. Ezhilarasi, C.N.Ravi, D.Lakshmi	Performance Analysis of PV Based DC-AC Converter For Dielectric Heating	Journal of Critical Reviews	2020 Scopus	7 & 19 / 566-576	https://drive.google.com/file/d/1vvnbzuybgxvnatml7o5sadj23hguf-k7/view
33.	P. Abirami, C.N.Ravi	Analysis Optimization Tech implemented in Power System	Journal of Green Engineering	July – 2020, scopus	Volume 10, Issue 7, Pp : 3607-3636	1904-4720


Head of the Department
Department of Electrical & Electronics Engg
Vidya Jyothi Institute of Technology
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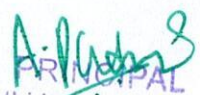
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Academic year: 2019-2020

S. No	Names of the Author	Title	Journal	Year & Month of Publication	Vol. No., Issue No. and pg. nos.	ISSN No /ISBN No/Digital Object Identifier(DOI)
1.	N Narender Reddy, Jarupula Somla, A.Srujana	Model Predictive Control Based Extended Kalman Filter to improve Power Quality in Micro Grid with Improved Particle Swarm Optimized Selective Harmonic Elimination	Journal of Advanced Research in Dynamical and Control Systems	May 2020 Scopus	Volume 12, Issue 2, Page No.1272	https://www.jardcs.org/abstract.php?id=4396
2.	R.Jeyaraman, C.N.Ravi	Low Frequency DC Input current ripple Reduction in a Two stage Single Phase Inverter using DC input Voltage Control	6 th International Conference of Advanced Computing and Communication Systems	Mar 2020 IEEE	Pp:342-347	https://doi.org/10.1109/icaccs48705.2020.9074204
3.	K.Vasanth, C.N.Ravi, A.Padmaja, M. Rajendra Prasad	A Novel Methodology for Improving Teaching Learning Process and Its Outcomes on 2K Students for Engineering Education	Journal of Engineering Education Transformations	January 2020 Scopus	Volume 33, , Special issue, 33/ 323-328	doi:10.16920/jcet/2020/v33i0/150179


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Himayatnagar (Vill), C.B. Post.,
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4.	P. Vaishnavi Devi , D. Godwin Immanuel	DC-DC converter in electric vehicles using smart technology to reduce overall ripple current	Materialstodays proceedings ELSEVIER	2020		https://doi.org/10.1016/j.matpr.2020.10.484
5.	N Narender Reddy, Jarupula Somla, A.Srujana	Tree Structured Multi Level Control System Design Based MPC-EKF for power Quality Enhancement with Selective Harmonic Elimination	International Journal of Recent Technology and Engineering	Aug 2019 Scopus	Volume-8, Issue-2, Page. No. 1158	https://www.ijrte.org/wp-content/uploads/papers/v8i2s8/b10300882s819.pdf
6.	K. Pradeep Sagar, P. Nageswara Rao	A Fuzzy controlled Single Phase Electric Spring with Reactive and Active power control capability	International Journal of Advanced Science and Technology (IJAST)	July, 2019 Scopus	Volume 128, PP. No: 38 - 44, Issue-1	issn:2005-4238 e-issn:2207-6360
7.	S.Siva Prasad, Ch.Vikram	Space Vector Modulation Based Three Phase PWM Rectifier Voltage Oriented Control	Journal of Emerging Technologies and Innovative Research	Feb 2020 UGC	Volume 7, Issue 2, Page No-40	https://www.jetir.org/papers/jetirdj060006.pdf
8.	S.Chaitanya	A Novel PV Cell based Power Electronic Converter for Integration of Electric Vehicle and Grid	Journal of Emerging Technologies & Innovative Research	Feb 2020 UGC	Volume 7, Issue 2, Page No-14	https://www.jetir.org/papers/jetirdj060003.pdf



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9.	S.Siva Prasad, D.Lakshmi, C.N.Ravi	Transitory Control Algorithm of Reactive Current LSC of BDFIG Based Fuzzy Controller	International Journal of Innovative Technology and Exploring Engineering	Dec 2019, UGC	Volume 7, Issue 2, Page No-28	https://www.ijitee.org/wp-content/uploads/papers/v9i2s5/b10081292s519.pdf
10.	Myakala Harish, K.Swapna, Ch.Vikram	A PFC ZETA Converter Controlled Intelligent Water Pumping System with Solar Panel Integration	International Journal of Management Technology And Engineering	Sep 2019 UGC	Volume 9, Issue 9, Page No.319	doi:16.10089.ijmte.2019.v9i9.19.31231


Head of the Department
Department of Electrical & Electronics Engg
Vidya Jyothi Institute of Technology
HYDERABAD-500 075


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S. No	Names of the Author	Title	Journal	Year & Month of Publication	Vol. No., Issue No. and pg. nos.	ISSN No /ISBN No/Digital Object Identifier(DOI)
1.	K.Sathish Kumar, Basavarajubanka, B.V.Sanker Ram	Robust Power System State Estimator using Projection Statistics for IEEE System	International Journal of Recent Technology and Engineering (IJRTE)	June, 2019 Scopus	Volume-8, Issue-2, Page. No. 1178-1182	https://www.ijrte.org/wp-content/uploads/papers/v8i2/b1753078219.pdf
2.	Dr. D. Balagangi Reddy, K. Madhu	A Fuzzy Controlled LCC HVDC system with AC voltage and Reactive Power Control	(IJMTE)	June, 2019, UGC	Volume IX, PP. No: 3609 - 3616, Issue VI	doi:16.10089.ijmte.2019.v9i6.19.28913
3.	T. Srinija, Dr. C. N. Ravi, Srikanth Kama	Shunt compensator with Cascaded Transformers for Distribution networks	International Journal of Management, Technology & Engineering (IJMTE)	June, 2019, UGC	Volume IX, PP. No: 3625 - 3630, Issue VI	doi:16.10089.ijmte.2019.v9i6.19.28915
4.	Mdjakeer Hussain, Dr. G. Madhusudhana Rao	Integration of Multiple renewable source in parallel operated bidirectional Buck Converter	International Journal of Management, Technology & Engineering (IJMTE)	June, 2019, UGC	Volume IX, PP. No: 3714 - 3718, Issue VI	doi:16.10089.ijmte.2019.v9i6.19.28927



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5.	L. Bichu, k. Sathish Kumar	Distributed dispatch approach for Bulk AC/DC hybrid systems with High solar Power penetration	Universal review	June, 2019, UGC	Volume VIII, PP. No: 746 - 750 Issue VI	issn no : 2277-2723
6.	G Bhargavi, Dr. C. N. Ravi,	A Space vector controlled grid connected Distribution, generation with back stepping sliding mode controller	Universal review	June, 2019, UGC	Volume VIII, PP. No: 739 - 745, Issue VI	issn no : 2277-2723
7.	B Ansuha, D. Srinivas	Fuzzy based Maximum Power Point tracking scheme designed for Photovoltaic array in Partial Shading situations	Universal review	June, 2019, UGC	Volume VIII,PP. No: 730 - 738, Issue VI	issn no : 2277-2723
8.	S. Hrudaya, Dr. S. Siva Prasad	Voltage Oriented control of Modular Hybrid solid state pulsed Power Generator with reduced ripple content	Universal review	June, 2019, UGC	Volume VIII,PP. No: 751 - 756, Issue VI	issn no : 2277-2723
9.	Dr.Balagangi Reddy, Mdfayazalam	Fuzzy based enhancement of grid power quality by employing PV or Wind STATCOM in transmission lines	Universal review	June, 2019, UGC	Volume VIII,PP. No: 768 - 772, Issue VI	issn no : 2277-2723
10.	Syed Atif Ali, Dr. S. Siva Prasad	Three level isolated single stage PFC converter by using Fuzzy Logic controller	International Journal of Research	June, 2019, UGC	Volume VIII, PP. No: 2714 - 2720, Issue VI	doi:16.10089.ijr.2019.v8i6.285311.236157
11.	Shafianikhat, T. Parameshwar	Load shedding in smart grid using Genetic Algorithm via Internet of Things	Journal of Emerging Technologies & Innovative (JETIR)	June, 2019, UGC	Volume VI,PP. No: 692 - 695, Issue VI	jetir1906682



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12.	Y Srinivas, P. Nageswara Rao	Improving Performance of Electric Springs with current source inverter and Neural Network Controller	International Journal of Management, Technology & Engineering (IJMTE)	June, 2019, UGC	Volume IX, PP. No: 3631 - 3637, Issue VI	doi:16.10089.ijmte.2019.v9i6.19.28916
13.	Tabassum, Dr. G. Madhusudhana Rao	Power Management and control of Grid Integrated Hybrid DG system with ANFIS controller	Universal review	June, 2019, UGC	Volume VIII, PP. No: 773 - 778 Issue VI	issn no : 2277-2723
14.	K Sai Santhosh, K Rajeev	Voltage Droop controller based Hybrid MMC Bipolar HVDC with SVPWM	International Journal of Management, Technology & Engineering (IJMTE)	June, 2019, UGC	Volume IX, PP. No: 3617 - 3624, Issue VI	doi:16.10089.ijmte.2019.v9i6.19.28914
15.	D. Lasya, B. Rajesh	Renewable Energy system and Fuel cell powered Uninterruptable Power supply with reduced ripple content by employing Fuzzy Controller	International Journal of Management, Technology And Engineering (IJMTE)	June, 2019, UGC	Volume IX, PP. No: 3719 - 3725, Issue VI	doi:16.10089.ijmte.2019.v9i6.19.28928



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16.	B.Dinesh , Dr.S.Siva Prasad	Enhancement of Power Quality By Using Fuzzy Logic With a Multilevel THSeAF For of Single-Phase Residential Household Applications	International Journal of Research	June, 2019 UGC	Volume VIII, Issue VI,	http://ijrpublisher.com/gallery/35-september-2018.pdf
17.	Venugopal Reddy Bodha , Dr. A.Srujana O.Chandrashekar	Predictive back-to-back SCHVC for renewable wind power system for scrutinizing quality and reliability	Energy Sources Part A: Recovery, Utilization and Environmental Effects	Mar 2019, Taylor Francis	Volume 41, Issue 24 Pages 3058-3075	https://doi.org/10.1080/15567036.2019.1586013
18.	Ganesan P, B.S.Sathish, K. Vasanth, V.G.Sivakumar, M.Vadivel, C.N.Ravi	A Comprehensive Review of the Impact of Color Space on Image Segmentation	5th International Conference on Advanced Computing & Communication Systems (ICACCS 2019)	15-16 MAR 2019 Scopus	962-967	doi: 10.1109/icaccs.2019.8728392
19.	Narender Reddy N, Obbu Chandrashekar, A. Srujana	Power Quality Enhancement by MPC based Multi-level Control Employed with Improved Particle Swarm Optimized Selective Harmonic Elimination	Utilization & Environment Effects Taylor & Francis	Jan 2019 Scopus	2396-2414	https://doi.org/10.1080/15567036.2018.1563247
20.	Vasanth.K, Shireesha.N, Sivakumar V.G,	FSM Based VLSI Architecture for Decision Based Neighborhood Referred Asymmetrical Trimmed Variant Filter	International Conference on Pervasive	08-10 JAN 2019 Scopus, WoS	152/ 130-139	https://doi.org/10.1016/j.procs.2019.05.035



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	Vadivel.M, Ravi.C.N, Lalitha Soumya, P.Ganesan		Computing Advances and Applications PerCAA-2019			
21.	Venugopal Reddy Bodha , Dr. A.Srujana,O. Chandrashekar	A Modified H Bridge Voltage Source Converter with Fault Ride Capability	ELSEVIER Journal for ENERGY	Dec 2018 scopus	Vol 165, Pages 1380-1391	https://doi.org/10.1016/j.energy.2018.10.074
22.	N.Nareder Reddy, O.Chandrashekar, Dr. A.Srujana	Power Quality Enhancement in Microgrid by employing MPC-EKF	International Journal of Engineering and Technology	2018 scopus	Vol 7, 996-999	doi: 10.14419/ijet.v7i3.11182
23.	A. Srilatha, Dr. A. Pandian	A High-Gain Three Port Converter Integrated with PV/Fuel Cell/Battery Sources Designed for HEV & DC- Micro grid	Helix	2018 scopus	Vol. 8(2): 3036- 3040	doi 10.29042/2018-3036-3040
24.	A. Srilatha Dr.A.Pandian	Non-Isolated Bidirectional Multi-Input DC-DC Converter for Fuel Cell Vehicles	International Journal of Pure and Applied Mathematics	2018 scopus	Volume 118 No. 15 2018, 33-39	issn: 1311-8080



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25.	C.N. Ravi, K.Vasanth, Ganesan.P, Siva Kumar.V. G, Vadivel. M	Solving Line Flow Constraint Combined Economic Emission Dispatch with Valve Point Loading by Differential Evolution Algorithm	International Journal of Research	May 2019 UGC	VIII & V / 1347-1359	doi:16.10089.ijr.2019.v8i5.285311.235702
26.	A. Narasimha Rao, C.N. Ravi,S.Siva Prasad	Solving Optimal Power Flow using Differential Evolution algorithm	International Journal of Research	May 2019 UGC	Volume VIII, Issue V 1372- 1375	doi:16.10089.ijr.2019.v8i5.285311.235704
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Head of the Department
Department of Electrical & Electronics Engg
Vidya Jyothi Institute of Technology
HYDERABAD-500 075

PRINCIPAL
Vidya Jyothi Institute of Technology
Himayatnagar (Vill), C.B. Post.,
Hyderabad-75.