

Bio-data



Name of the Faculty : Dr. N. Visali
Department : Electrical & Electronics Engineering
Designation : Professor
Academic & Administration : At present working as **Professor** of EEE department, JNTUACE, Anantapuramu since 18.11.2024

- ★ Served as **Director** - ICS, IRAP & SCDE, JNTUA, Anantapuramu from 04.11.2023 to 18.11.2024
- ★ Served as **Principal**, JNTUA College of Engineering, Kalikiri for the duration Aug.2023 to Nov. 2023
- ★ Served as **Head of EEE department**, JNTUACE, Anantapuramu from 5.5.2021 to 21. 8. 2023
 - Got NBA accreditation for 3 years under my headship
 - Conducted UG & PG BOS for R20 & R21 regulations as Chairman
 - Served as subject Coordinator for e- content development of EEE courses
- ★ Served as **PG BOS chairman** for JNTUA, Anantapuramu
- ★ Served as **UG & PG BOS chairman** for JNTUA College of Engineering, Anantapuramu
- ★ Served as **Executive Council member** of JNTUA, Anantapuramu
- ★ Served as **Principal**, JNTUACE, Kalikiri for the duration of 1 year 9 months

Main contributions of Principal are

- Responsibility of regulating academics and general administration
- Monitoring the systems, policies, procedures and functioning of the institution
- To fulfil the expectations of the governmental monitoring bodies such as AICTE, UGC, APSHE etc.
- Monitoring all procedures to be followed by the office which include admission, fee collection, attendance, recruitment, salary payments, purchases and procurements, accounts &

audit and any such other matter related to the administration of the college.

- Acting as chief superintendent for smooth conduction of examinations
- Responsible for financial approvals of works carried by the various departments
- Nurturing & facilitating the faculty and giving all the necessary guidance and support
- Developing the working and learning culture in the institution
- Developing a strong association with industry, research and consultancy aimed at improving specific strengths of the college
- Acting as chief superintendent for smooth conduction of POLYCET, All India Sainik school & other entrance examinations

- ★ Served as Vice-Principal & Head of EEE department for 1 year 8 months.

Main contributions of Vice-Principal are

- Planning and conduction of examinations
- Look after the Admission process of students
- Maintaining of academic records
- Monitoring of class work
- Preparation & submission of data to the APSHE, AISHE, AICTE, UGC
- Acting as Confidential invigilator for smooth conduction of examinations

- ★ Served as Head of EEE department at JNTUACE, Pulivendula for 7 years.

Main contributions of Head of the department are:

- Establishment of laboratories
- Procurement of equipment under TEQIP, UGC and college funds
- Monitoring of class work and laboratories in the department

- Conduction of symposiums, workshops, conferences, orientation programs and training programs for students and faculty.
- Preparation and maintenance of records for NBA, NAAC and UGC autonomous status.
- ★ Subject expert & panel member, Faculty ratification committee, JNTUA, Anantapur.
- ★ Convener & Member of many university affiliation/ inspection Committees
- ★ Member in subject expert committee for preparation of curriculum & syllabus for B.Tech course, AP state Higher education, Velagapudi
- ★ Chairman & Member, Board of Studies (UG-EEE), J.N.T. University, Anantapur
- ★ Chairman, Board of Studies (UG, PG & PTPG - EEE), JNTUCE (Autonomous), Pulivendula
- ★ Member, Board of Studies (UG-EEE) -YVU, Kadapa& RJUKT, Idupalapaya.
- ★ Panel member for Faculty selection committee, RJUKT, Idupalapaya.
- ★ Member of research review committee, JNTUA
- ★ Academic coordinator, TEQIP _II , JNTUACEP
- ★ NBA Nodal Coordinator , JNTUACEP
- ★ Member in Tender evaluation committee of all constitute colleges of JNTUA.
- ★ Establishment of Day care centre, children's park under UGC funds at JNTUACEP
- ★ Establishment of play grounds and women grievance cell at JNTUACEK
- ★ Joint Secretary, JNTUCEP Teachers Association, Pulivendula.
- ★ Faculty advisor, Institute of Engineers (India), JNTUCEP Students (EEE) chapter
- ★ University Nominee & Member, Board of Studies (EEE), KSRM(Autonomous) ,Kadapa, AITS (Autonomous), Rajampet.
- ★ University Nominee, Results declaration committee, SITAMS (Autonomous), Chittoor.

- ★ Panel member for Faculty selection committee, MITS (Autonomous), Madanapalle & AITS(Autonomous), Rajampeta.
- ★ Panel member for Ph.D. research committee in many universities.
- ★ Special Observer/Observer, JNTUA University examinations,EAMCET & ECET.
- ★ Chief examiner, examiner & subject expert for many university examinations like Anna University, Madras University, Periyar University, JNTUH, JNTUK& JNTUA.
- ★ Library In charge at JNTUCE, Anantapur.
- ★ Served as **Technical session chair** for WECES -2016 Conference, San Francisco, USA

Educational Qualifications:	Year of Passing	Name of the Institute
B. Tech. (EEE)	1994	JNTU College of Engg., Anantapur
M. Tech. (P&ES)	1998	KREC, Surathkal, Magalore University
Ph. D. (EEE)	22.2.2013	JNTUA, Anantapur
Work Experience :		
Teaching:	25 yrs.	
Research:	22 yrs.	
Industry:	01 yr.	
Others:	JNTUACEA got 3yrs & JNTUACEP got 2 yrs. NBA accreditation during my tenure as Head of EEE Dept. Documentation of Tenders Preparation of documentation for NBA,NAAC, UGC Autonomous Preparation of Curriculum & syllabus for UG & PG programs Purchase of equipment under TEQIP –II	
Areas of Specialization	Electrical Power systems, Electrical Distribution systems, Electrical Machines, Fuzzy logic, Electrical circuits	
No. of papers published	National Journals: --06 International Journals: 40 National Conference: 08 International Conference:12 (List enclosed)	
Professional Membership	Sr. Member, IEEE (95790658), ISTE (LM 48704), Fellow-IE (F-119334-8), IAENG, Indian science congress	
Publication id:	Vidwan: (Profile) https://vidwan.inflibnet.ac.in/profile/319918 Orcid id: 0000-0001-5194-5854 Scopus id: 8271451300 http://www.scopus.com/inward/authorDetails.url?authorID=8271451300&partnerID=MN8T	

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Ph. D. Guided	05 +6 (Persuing)
Projects Sponsored	---
Patents	02 Published in office journal of the patent house On 17.09.2021
No. of book chapters	03 Published in Springer publications
Research Publications	50
No. of books published with details	Electrical Circuits by Dr. N. Sreenivasulu& Smt. N. Visali 2012, Pg.:1-495Reem Publications, New Delhi ISBN No.: 978-81-8351-029-5
No. of conferences organised/ attended	06
Community Services programme organised	Coordinator for Community services programme (CSPIEEE – 2006) organised at Dept. of EEE, JNTU CE(Autonomous), Anantapur from13-02-2006 to 27-02-2006
No. of Workshops/ FDP attended	16
Foreign Visits	IEEE Conference, Boston, USA ASME Conference, Houston, USA WECES -2016 Conference, San Francisco, USA
Awards if any	<ol style="list-style-type: none"> 1. Best Engineering Teacher award for AP by ISTE, Andhra Pradesh in 2022 2. Best Woman Researcher Award by VD GOOD international academy in 2020 3. I2OR International Principal award 2021 4. I2OR National Elite Teacher award 2021 <p>Got ‘A’ grade in Orientation Course – I/2005-2006</p> <p>Best paper award for ”Reduction of losses in radial distribution systems by using distributed generators” in International conference on “Power system operation and energy management (PSOEM), Interscience Research Network(IRNET),Tirupati 24th March, 2013 pp. 68-73</p>

International Journals:			
Author	Title	Journal Name	Publication details
Venkatasupura Vemulapati;Y.N Vijayakumar;N. Visali	Droop Characteristics based High Speed Traction Power Supply system using Modular Multilevel Converter	2020 4th International Conference on Trends in Electronics and Informatics (ICOEI)(48184)	Date of Conference: 15-17 June 2020 Date Added to IEEE Xplore: 17 July 2020 ISBN Information: Electronic ISBN: 978-1-7281-5518-0 DVD ISBN: 978-1-7281-5517-3 Print on Demand(PoD) ISBN: 978-1-7281-5519-7 INSPEC Accession Number: 19789267 DOI: 10.1109/ICOEI48184.2020.9142920 Publisher: IEEE Conference Location: Tirunelveli, India
Y N Vijaykumar; Venkatasupura Vemulapati; N Visali; K. Raju	Railway Power Supply System using Modular Multilevel Converter with Droop Characteristics	2020 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA)	Date of Conference: 5-7 Nov. 2020 Date Added to IEEE Xplore: 28 December 2020 ISBN Information: Electronic ISBN: 978-1-7281-6387-1 CD: 978-1-7281-6386-4 Print on Demand(PoD) ISBN: 978-1-7281-6388-8 INSPEC Accession Number: 20306898 DOI: 10.1109/ICECA49313.2020.9297599 Publisher: IEEE Conference Location: Coimbat

			ore, India
K. Rajesh, N. Visali	Aggregation of Unit Commitment with Demand Side Management	Journal of electrical Engineering & Technology	16 , pages783–796 (2021) 27 th Jan. 2021 https://doi.org/10.1007/s42835-020-00637-w
Shaik. Muqthiar Ali, Mareddy Padma Lalitha, N. Visali	Performance Analysis of Hybrid Techniques for Evaluation of Power Transmission Cost and Loss Allocation Based with Transmission Reliability Margin	International Transactions on Electrical Energy Systems	
Shaik. Muqthiar Ali, Mareddy Padma Lalitha, N. Visali	Enhancement of voltage profile in the distribution system by reconfiguring with DG placement using equilibrium optimizer	Alexandria engineering journal (Elsevir)	http://doi.org/10.1016/j.aej.2021.09.063 Vol. 61, Issue 5, pp. 4081-4093, 8 Sept. 2021 (Article in press)
Venkatasupura Vemulapati, Y N Vijaykumar, N. Visali	Droop Characteristics Based Railway Traction Supply System for Performance Enhancement with Multi Module Converter	International Journal of Power Electronics and Drive System (IJPEDS)	Vol. 11, No. 3, Sep 2020, pp. 51-59 ISSN: 2088-8694, DOI: 10.11591/ijpeds.v11.i3.ppxx-ppyy
Shaik. Muqthiar Ali, Mareddy Padma Lalitha, N. Visali	Analysis of Transmission Cost AllocationStrategies with Reliability for DeregulatedSystems	International Journal ofInnovativeTechnol ogyand Exploring Engineering	ISSN: 2278-3075, Volume-8 Issue-9S3, July 2019. Pp.391-397 h-index 40, Scopus
Shaik. Muqthiar Ali, Mareddy Padma Lalitha, N. Visali	Optimal and reliable transmission cost Allocation using lightning search Algorithm - particle swarm optimization in Distributed energy resources (der) planning	Journal of mechanics of continua and Mathematical sciences	ISSN (Print) 0973-8975 Vol.-15, No.-3, March (2020) pp 86-101 Web of Science ESC, impact factor: 2.8191
K. Rajesh, N. Visali	Trade off Curve of an Economic Emission Load Dispatch using NSGA-II and PVDE	ARPJN Journal of Engineering and Applied Sciences,	Vol. 15, no. 1, January 2020. ISSN 1819-6608.
K. Rajesh, N. Visali	Hybrid method for achieving Pareto front on economic emission dispatch	IJECE	Vol.10, No.4, August 2020, pp. 3358-3366, ISSN: 2088-8708. doi: 10.11591/ijece.v10i4.pp3358-3366
V.Vijaya Kumar Naik, Dr.G.Jaya	Review of optimal integrated control strategies for renewable energy based	International Journal of Pure and Applied Mathematics	Volume 118 No. 15 2018, 17-26 ISSN: 1311-8080

Krishna, Dr.N.Visali	Micro grid system		(printed version); ISSN: 1314-3395 (on-line version) pp. 17-25
V.Vijaya Kumar Naik, Dr.G.Jaya Krishna, Dr.N.Visali	A Robust control Approach for Multi-Utilitarian Grid Interactive Inverter toAmeliorate the Power Quality of aDistributed Power System	Jour of Adv. Research in Dynamical & Control Systems,	Vol. 12, Issue-02, 2020. pp. – 734-743 DOI: 10.5373/JARDCS/ V12I2/S20201090
N. Visali, KamarthiSridev i and N. Sreenivasulu	Mitigation of Power Quality Problemsin Distribution System UsingD-STATCOM	Emerging Trends in Electrical, Communications and Information Technologies, Springer -394 series	DOI 10.1007/978- 981-10-1540-3_46 PP. 433-443 Singapore 2017 ISSN: 1876-1100
Dr. N. Visali J. Percy Divya	Transmission of Photovoltaic Power to Grid through Fifteen- Level Inverter	IOSR Journal of Electrical and Electronics Engineering (IOSR- JEEE)	e-ISSN: 2278- 1676,p-ISSN: 2320- 3331, Volume 11, Issue 3 Ver. III (May. – Jun. 2016), PP 01-11
Dr. N. Visali M. Surendranath Reddy M. Satish Kumar Reddy	Economic load dispatch of thermal power plants using differential evaluation neglecting transmission losses	Intr. Journal of engineering science and innovative technology (IJESIT)	Vol. 2, Issue 6, Nov. 2013 , pg.: 145-151 ISSN 2319-5967 Impact factor 1.753
Dr. N. Visali, U. Meghana	Loss reduction in rds using dg by enhanced loss Index factors	International journal of power system operation and energy management	ISSN: 2231 – 4407, Vol.-3,Issue-2, 2013
Dr. N. Visali A. Vamsi Krishna Reddy	Incorporation of different FACTS devices in transmission system for minimization of losses	Intr. Journal of emerging trends in engineering research(IJETER)	Vol. 1, No. 2, Oct. 2013,pg.: 32-40 ISSN 2347- 3983
Dr.N.Visali M. Satish Kumar Reddy	Loss reduction in radial distribution system by optimal placement of capacitor using differential evolution method	Intr. Journal of emerging trends in engineering research (IJETER)	Vol. 1, No. 2, Oct. 2013,pg.: 53-57 ISSN 2347- 3983
Dr.N.Visali B. Chandra Sekhar	Optimal Placement of SVC with Cost Effective Function Using Particle Swarm Optimization’	Intr. Journal of emerging trends in engineering research (IJETER)	Vol. 1, No. 2, Oct. 2013,pg.: 41-45 ISSN 2347- 3983
N. Visali S.M. SuhailHussain	Identification of weak buses using Voltage Stability Indicator and its voltage profile improvement by using DSTATCOM in radial distribution systems	International Organization of Scientific Research Journal of Electrical & Electronics Engg.	Pg.: 17 – 23 Vol.2, Issue 4, OCT -2012
N. Visali P. Raviteja	Tracing and Transmission cost allocation of Active power flow based on Extended Incidence	International Journal of Information& Computation	Pg.: 189 – 193 Vol. 2, No. 3, July - 2012

	matrix	Technology	
N. Visali D. KasimBabu	Incorporation of TCSC in Deregulated Power Systems	International Journal of Engg. Research & Tech. (IJERT)	Vol. 1, Issue 8, July -2012 pp. 107 – 111
N.Visali S. Sivanagaraju V. Sankar	Loss Reduction in radial distribution systems by optimal voltage regulator placement using fuzzy logic	International Journal of Electrical Engineering	Pg: 147 – 160 2010
N. Visali M. Sreedhar S. Sivanagaraju V. Sankar	A novel method for optimal conductor selection of radial distribution feeders using Fuzzy evolutionary programming.	International Journal of Electrical and Power engineering	Pg.:6 – 10 2008
N.Visali S. Sivanagaraju V. Sankar T. Ramana	Enhancing voltage stability of radial distribution systems by Network Reconfiguration	Electric Power Components and Systems (Taylor & Francis)	Pg.: 539 – 550 2005

National Journals:

Satyavani .n N. Visali	A review on mppt methods for zsi based photovoltaic Power conversion system under partial Shading conditions	i-manager's Journal on Power Systems Engineering,	Vol. 5 I No. 2 I May - July 2017, pp. 35-44
Dr. N. Visali M. Satish Kumar Reddy M. Surendranath Reddy	Optimal location and sizing of capacitor Using differential evolution	i-manager's Journal on Power Systems Engineering,	Vol. 11 No. 3 I pg: 15-20 August - October 2013
Dr. N. Visali M. Satish Kumar Reddy M. Surendranath Reddy	A Modified Unbalanced Load Flow Solution using Branch Incidence Matrix"	i-manager's Journal on Electrical Engineering	Vol. 7 No. 3 January – March 2014 pg: 27- 34

National Conferences:

Dr. N. Visali A. Vamsi Krishna Reddy	Study and best location of STATCOM to improve the voltage in transmission systems	National conference on Electrical Power Engg. and Industrial drives, 12-13 th of July, 2013	Sreenidhi Institute of Science and Technology, Hyderabad pp.:8
Dr. N. Visali M. Satish Kumar Reddy	Reduction of losses by optimal placement of capacitor using Differential Evaluation	National conference on Electrical Power Engg. and Industrial drives, 12-13 th of July, 2013	Sreenidhi Institute of Science and Technology, Hyderabad pp.:8
Dr. N. Visali	Optimal allocation of SVC	National conference on	Sreenidhi Institute of

B. Chandra Sekhar	for reduction of power system losses using Particle Swarm Optimization	Electrical Power Engg. and Industrial drives, 12-13 th of July, 2013	Science and Technology, Hyderabad pp.:9
Dr. N. Visali M. Satish Kumar Reddy	A new approach of load flow for incorporation of PV buses in radial distribution system	National conference on “Advanced research methodologies in Electrical engg.”, ARMEE – 2013 , 27-28 of June 2013	MIT, Madanapalle, pp no. 156-160
N. Visali D. KasimBabu	Incorporation of FACTS Devices in Deregulated Power Systems	National conference on Electrical Sciences NCES- 12, 7-8 th of Sept. 2012	Annamacharya Institute of Technology and Sciences, Rajampeta, Kadapa(Dt.)
N. Visali S.M. SuhailHussain	Identification of weak buses using Voltage Stability Indicator and its voltage profile improvement by using DSTATCOM in radial distribution systems	National conference on Electrical Sciences NCES – 12,7-8 th of Sept. 2012	Annamacharya Institute of Technology and Sciences, Rajampeta, Kadapa(Dt.)
N.Visali S. Lakshmi S. Sivanagaraju V. Sankar	A novel method for optimal location of voltage regulators in Radial distribution systems	National Power Engineering Conference, (NPEC'07), 21-22 nd of June 2007	Thyagarajar college of Engg., Madurai Pg.: 243-252
N.Visali S. Sivanagaraju V. Sankar	Capacitor allocation in radial distribution systems for loss reduction using Fuzzy logic	National Systems Conference, NSC – 2004 16-18 th Dec. 2004	VIT, Vellore PP. 185-189

International conferences:

Venkatasupura Vemulapati, Y.N. Vijayakumar, N. Visali.	Droop Characteristics based HighSpeed Traction Power Supply system usingModularMultilevel Converter	2020 4th International Conference on Trends in Electronics and Informatics, 2020 organised by SCAD college of engg.&tech. , Tirunelveli, T. N. 15-17 June 2020	(ICOEI)(48184)
K. Rajesh, N. Visali and N. Sreenivasulu	“Optimal Load Scheduling of Thermal Power Plants by Genetic Algorithm”,	Emerging Trends in Electrical, Communications, and Information Technologies Proceedings of ICECIT-2018	Lecture Notes in Electrical Engineering 569. doi.org/10.1007/978-981-13-8942-9_33.
Mr.PMuniSekhar Dr.G.Jayakrishna Dr.N.Visali	Optimal sizing and placement of ESS in distribution system with renewable energy	2nd International Conference on Power and Embedded Drive Control (ICPEDC)	978-1-7281-2414-8/19/\$31.00 c 2019 IEEE pp. 81-86

	integration using multi-objective hybrid optimization technique		
Dr. N. Visali M. Satish Kumar Reddy M. Surendranath Reddy	A Modified unbalanced load flow solution using branch incidence matrix	2014 IEEE Conference on Norbert Wiener in the 21st Century (21CW) -Driving Technology's Future Boston, MA, USA 24 - 26 June 2014	pp. 176-182
Dr. N. Visali U. Meghana	Reduction of losses in radial distribution systems by using distributed generators	International conference on "Power system operation and energy management (PSOEM), 24 th March, 2013	Interscience Research Network(IRNET), Tirupati pp. 68-73
Dr. N. Visali M. Satish Kumar Reddy	An Element Incidence matrix based load flow for Radial Distribution System including Voltage Controlled buses	International conference on Smart Systems(ICSS-2013),7 th -8 th October-2013	J.B.Institute of Engineering and Technology,Moinabad, Hyderabad
N. Visali P. Raviteja	Tracing and Transmission cost allocation of Active power flow based on Extended Incidence matrix	International conference on "Recent trends in Electrical & Electronic communication engineering", (RTEECE – 2012), 20-30 Sept. 2012	KrishiSanskriti, Jawaharlal Nehru University New Delhi
N.VisaliM.Nava tha S. Sivanagaraju Dr.V. SankarDr. N. Sreenivasulu	Reconfiguration of radial distribution systems for loss reduction	International conference on engineering technology – 2003	KIIT Bhubaneswar, 19-21 st December 2003

Workshops/ training programs attended

Knowledge &Innovation Management,National Productivity Council, New Delhi	Leh, Ladakh	26 th to 30 th May 2014
A three day workshop on "Applications of MATLAB for Engineering Computations"	Department of Mechanical engineering, IIITDM Jabalpur	10 th – 12 th Jan. 2014
Management development Programme for senior faculty members of TEQIP Institutions in A.P.	ISB Hyderabad	23 rd & 24 th Dec-2013
Analytical techniques in research and Analysis	JNTUA College of Engineering , Pulivendula	27 th & 28 th Dec-2013
Two day national level workshop on "Reliability Applications to	JNTUA College of Engineering ,	26-27 th July, 2013

power systems”	Pulivendula	
A 3 day Phase- II workshop on “Training of Evaluators/ resource persons on Outcome based Accreditation”	JNTUA – NBA Nodal Centre, Anantapuramu	1-3 rd July, 2013
A one day Phase- I workshop on “Training resource persons on Outcome based Accreditation”	JNTUA – NBA Nodal Centre, Anantapuramu	29 th April, 2013
Training programme on “ MIS Training”	Osmania University College of Engg., Hyderabad	13-14 th May 2013
A two day National level workshop on “Thrust areas in power systems”	JNTUACE, Pulivendula	18-19 th Nov. 2011
A two week Training program on “Development of Embedded Systems Laboratory”	CG-CoreEL Programmable Solutions Pvt. Ltd. & EEE dept. JNTUCE (Autonomous), Anantapur	2 weeks 19.02.2007 – 2.03.2007
HRD workshop on “Effective Governance through institutional leadership”	JNTUCE(Autonomous), Anantapur	28-29 th of April, 2006
A 3 day national workshop on “Distribution & automation – recent trends (DART-2005)”	EEE dept. JNTUCE(Autonomous), Anantapur	28-30 th of Oct. 2005
Orientation Course – I/2005-2006	UGC-ASC,JNTU, HYDERABAD	4 weeks 22.08.2005 to 20.09.2005
Short term training programme on “Real Time Energy Management Systems”	NIT, WARRANGAL	2weeks 15-27 th of Dec. 2003
Refresher course on “Network Programming”	UGC-ASC,JNTU, HYDERABAD	3 weeks 29-10-2003 to 18-11-2003
Workshops/ training programs organized		
A two day workshop organised on “Intelligent techniques and their applications in engg.”	EEE dept. JNTUCE(Autonomous), Anantapur	14-15 th of Feb. 2007
A national level technical student symposium “EEL 2k11”	EEE dept. JNTUACE, Pulivendula	OCT. 2011
Two day national level hands on training programme on “Analysis of power systems by using NEPLAN Software (APSNS – 2014)”	EEE dept. JNTUACE(Autonomous), Pulivendula	30 th -31 st Jan. 2014
A national level technical student symposium “EEL 2k14”	EEE dept. JNTUACE, Pulivendula	MAR. 2014

S. No.	Title of the publication	Name of the Journal	Year of Publication
1	Hybrid method for achieving Pareto front on economic emission dispatch	International Journal of Electrical and computer engineering(IJECE) DOI: 10.11591/ijece.v10i4	2020
2	Assessment of power system security using contingency analysis	International Journal of control and automation http://dx.doi.org/10.33832/ijca.2019	2019
3	Performance enhancement of a high-speed railway supply system with multi module converter: a laboratory prototype model for Indian railways	Indonesian Journal of Electrical Engineering & Computer science DOI: 10.11591/ijeecs.v25.i2.pp680-689	2021
4	Analysis of Transmission Cost Allocation Strategies with Reliability for Deregulated Systems	International Journal of Innovative Technology and Exploring Engineering (IJITEE) DOI: 10.35940/ijitee.I3072.0789S319	2019
5	Optimal and reliable transmission cost Allocation using lightning search Algorithm - particle swarm optimization in Distributed energy resources (DER) planning	Journal of mechanics of continua and Mathematical sciences https://doi.org/10.26782/jmcms.2020.03.00007	2020
6	Novel Approach for Allocation of DG In Distribution System with Wind Power Integration Using Multi objective Hybrid Optimization	International Journal of Mechanical Engineering ISSN: 0974-5823	2022
7	Enhancing power system security using soft computing and machine learning	Journal of Electrical Engineering & Electromechanics https://doi.org/10.20998/2074-272X.2023.4.13	2023
8	Tradeoff curve of an economic emission load Dispatch using NSGA-II and PVDE	ARPJ Journal of Engineering and Applied Sciences ISSN 1819-6608	2020
9	Prototype Model for High Speed Railway Power Supply System Suitable for Indian Traction Sub Stations using Multi Modular Converter	Turkish Journal of Computer and Mathematics Education https://www.turcomat.org/index.php/turkbilmat/article/view/5610	2021
10	Co-phase Traction Substation For Indian Railways With Ac-dc-ac Modular Multilevel Converter: A Laboratory Prototype Model	GIS SCIENCE JOURNAL https://drive.google.com/file/d/1JEROpCHRQXvgIbNGgySY8eUrJifpo75D/view	2021
11	Enhancement of Voltage Profile in the Distribution system by Reconfiguring with DG placement using Equilibrium Optimizer	Alexandria Engineering Journal https://doi.org/10.1016/j.aej.2021.09.063	2022
12	Machine Learning for Hybrid Line Stability Ranking Index in Polynomial Load Modeling under Contingency Conditions	Intelligent Automation & Soft Computing DOI: 10.32604/iasc.2023.036268	2023
13	Investigations on hybrid line stability ranking index with polynomial load modeling for power system security	Electrical Engineering & Electromechanics DOI: https://doi.org/10.20998/2074-272X.2023.1.10	2023

14	Optimal Placement of Multiple DG Units With Energy Storage in Radial Distribution System by Hybrid Techniques	International Journal of Software Innovation DOI: 10.4018/IJSI.315736	2023
15	Optimal Sizing and Assignment of Distributed Generation and Energy Storage System using Hybrid Techniques in Radial Distribution System	International Journal of Intelligent Engineering and Systems, DOI: 10.22266/ijies2022.1031.57	2022
16	Strategic Integration of DG and ESS by using Hybrid Multi Objective Optimization with Wind Dissemination in Distribution Network	International Journal of Electrical and Electronics Research (IJEER) DOI: https://doi.org/10.37391/IJEER.100469	2022
17	Evaluation and Improvement of Power System Security with the Application of Machine Learning	El-Cezeri Journal of Science and Engineering DOI : 10.31202/ecjse.1316748	2024
18	Modular Multilevel Converter Based Advanced Traction Power Transmission Substation for High Speed Railway Network in India	Distributed Generation & Alternative Energy Journal, doi: 10.13052/dgaej2156-3306.38311	2023
19	Optimal Coordination of Hybrid AC/DC Microgrids based on IEEE-12 Bus System: An Analytical Approach	International Journal of Electrical and Electronics Research (IJEER) DOI: https://doi.org/10.37391/ijeer.12et-evs02	2024
20	Aggregation of unit commitment with Demand Side Management	Journal of Electrical Engineering and Technology DOI: 10.1007/s42835-020-00637-w	2021