

Bio-data

- Name of the Faculty : Dr. N. Visali
- Department : Electrical & Electronics Engineering
- Designation : Professor & Director
- Academic & Administration :
- At present working as **Director-Industrial Consultancy Services**, JNTUA, Anantapuramu
 - ★ Served as **Executive Council member** of JNTUA, Anantapuramu
 - ★ Served as **Principal**, JNTUACE, Kalikiri.
 - ★ Served as Vice-Principal JNTUACE, Kalikiri
 - ★ Head of EEE department for 15 years at JNTUACE, Anantapur, JNTUACE, Pulivendula & JNTUACE, Kalikiri.
 - ★ 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 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)	2013	JNTUA, Anantapur
Work Experience :		
Teaching:24 yrs.		
Research: 19 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, 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: --04 International Journals: 18 National Conference: 08 International Conference:12 (List enclosed)
Professional Membership	IEEE, ISTE (LM 48704), Fellow-IE, IAENG, Indian science congress
Ph. D. Guided	01 (completed), 10 (Pursuing)
Projects Sponsored	---
Patents	01 Published in office journal of the patent house On 17.09.2021
Research Publications	42
No. of books published with details	Electrical Circuits by Dr. N. Sreenivasulu& Smt. N. Visali Pg.:1-495Reem Publications, New Delhi ISBN No.: 978-81-8351-029-5
No. of conferences organised	List enclosed
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	List enclosed
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 Electrical and Electronics Engineering Teacher-2022 by ISTE AP Section GIST State Award 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
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 (Elsevier)	http://doi.org/10.1016/j.aej.2021.09.063 Vol. 61, Issue 5, pp. 4081-4093, 8 Sept. 2021 (Article in press)
VenkatasupuraVemulapati, 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/ijped.v11.i3.ppxx-ppyy
Shaik. Muqthiar Ali, Mareddy Padma Lalitha, N. Visali	Analysis of Transmission Cost Allocation Strategies with Reliability for Deregulated Systems	International Journal of Innovative Technology and 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	ARPN 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 Krishna, Dr.N.Visali	REVIEW OF OPTIMAL INTEGRATED CONTROL STRATEGIES FOR RENEWABLE ENERGY BASED MICRO GRID SYSTEM	International Journal of Pure and Applied Mathematics	Volume 118 No. 15 2018, 17-26 ISSN: 1311-8080 (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 to Ameliorate the Power Quality of a Distributed Power System	Jour of AdvResearch in Dynamical & Control Systems,	Vol. 12, Issue-02, 2020. pp. – 734-743 DOI: 10.5373/JARDCS/V12I2/S20201090
N. Visali, Kamarthi Sridevi and N. Sreenivasulu	Mitigation of Power Quality Problems in Distribution System Using D-STATCOM	Emerging Trends in Electrical, Communications and Information Technologies,	DOI 10.1007/978-981-10-1540-3_46 PP. 433-443 Singapore 2017 ISSN: 1876-1100

		Springer -394 series	
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 matrix	International Journal of Information & Computation Technology	Pg.: 189 – 193 Vol. 2, No. 3, July - 2012
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
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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 B. Chandra Sekhar	Optimal allocation of SVC for reduction of power system losses using Particle Swarm Optimization	National conference on Electrical Power Engg. and Industrial drives, 12-13 th of July, 2013	Sreenidhi Institute of 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	MITS, Madanapalle, pp no. 156-160
N. Visali D. KasimBabu	Incorporation of FACTS Devices in Deregulated	National conference on Electrical Sciences	Annamacharya Institute of

	Power Systems	NCES- 12, 7-8 th of Sept. 2012	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:			
VenkatasupuraVe mulapati, 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 integration using multi-objective hybrid optimization technique	2nd International Conference on Power and Embedded Drive Control (ICPEDC)	978-1-7281-2414-8/19/\$31.00 c 2019 IEEE pp. 81-86
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.Instituteof 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 Univeristy 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 power systems”	JNTUA College of Engineering , Pulivendula	26-27 th July, 2013
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 !9.02.2007 – 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