

## **Bio-data**



Name of the Faculty : Dr. N. Visali  
Department : Electrical & Electronics Engineering  
Designation : Professor  
Academic Experience :

### **Highlights of major contributions:**

- Serving as Board of Studies –UG Chairman – JNTUA since Feb. 2017 to till date
- Served as Chairman, Board of Studies –UG & PG – JNTUACE(Autonomous), Pulivendula
- Served as Chairman, Board of Studies –PG (PTPG) – JNTUACE(Autonomous), Pulivendula.
- Served as Member, Board of Studies –UG, IIIT, RK Valley, Idupulapaya, Kadapa.
- Served as Member, Board of Studies –UG, YSR College of Engineering, Proddutur of Yogi Vemana University, Kadapa.
- Served as Special Invitee Member, Board of Studies – UG & PG – JNTUA since 2013 to 2018.
- Served as Academic Coordinator for TEQIP – II, JNTUACE(Autonomous), Pulivendula
- Served as Subject expert & panel member for Faculty Ratification Committee, JNTUA, Anantapuramu.
- Served as Head of the Department of EEE, JNTUA College of Engineering, Pulivendula since Aug. 2009 to 2011 and 2013 to 2017.
- Served as Faculty advisor, Institute of Engineers (India), JNTUCEP Students (EEE) chapter
- Served as Subject expert & panel member for Faculty selection committee, IIIT, RK Valley, Idupulapaya, Kadapa.
- Served as Member & University nominee- UG Board of Studies for KSRM College of Engg. (Autonomous), Kadapa & AITS (Autonomous), Rajampet.
- Served as Member & University nominee- Results Declaration Committee for SITAMS, Chittoor.
- Served as Subject expert & panel member for Faculty selection committee, MITS (Autonomous), Madanapalle.
- Served as subject expert for preparation of question bank of ECET examination.
- Served as subject expert for preparation of question bank of JNTUH, JNTUK, JNTUA, VIGNAN University, Anna University, Madras University, Periyar University and other autonomous colleges.
- Served as Governing body member for various affiliated colleges of JNTUA, Anantapuramu.
- Served as Observer and special observer for various examinations like EAMCET , ECET etc.
- Served as Convener & Member of many university affiliation/ inspection committees.
- Acted as Session Chair for the World Congress on Engineering and Computer Science 2016, San Francisco, USA, 19-21 October, 2016.
- Acted as Session chair for 1<sup>st</sup> International Conference on “GREEN POWER TECHNOLOGY IN POWER GRID:ISSUES, CHALLENGES & CONTROL (ICGPTPG-2016)” during 16 –18 November, 2016 at College of Engineering, SVU, Tirupati.
- Served as member for Tender Evaluation Committee & Purchase Committee under UGC, TEQIP – I & II.
- Served as Officer-in-charge of Day care centre at JNTUACE, Pulivendula, Officer- In-charge of Physical education, Officer – In- Charge of Dispensary, Chairman of Women Grievance Committee, Anti-Ragging committee at JNTUACEK, officer in charge of library, JNTUCEA.
- Served as Project Engineer (Electrical).
- Supervised more than 100 M.Tech Research Projects
- Supervised more than 150 B.Tech Projects
- Served as Joint Secretary, Teacher's Association, JNTUACEP.
- At present guiding 8 Ph.D scholars (both main and co- supervisor).

- Memberships of Professional Bodies / Societies: MISTE, MIAENG, Fellow-IE, MISCA.
- Visited Boston, USA in June 2014 for presenting the technical research paper titled “Analysis of Unbalanced Load flows using MATLAB GUI” in IEEE conference under TEQIP - II
- Visited San Francisco, USA in October, 2016 for presenting technical paper titled “Loss Reduction in Radial Distribution Systems by Optimal Voltage Regulator Placement Using Fuzzy Logic” at World Congress on Engineering and Computer Science (WCECS) 2016 Under UGC.
- Visited Houston, USA in November 2015 to attend ASME Conference under UGC.
- Published more than 100 research papers in national and international conferences and journals
- Participated & Organised more than 20 technical symposia, workshops, training programs at National or International level.
- Served as Editorial board member for i-manager’s Journal on Electrical Engineering (JEE) since 2014 to 2018
- Serving as Editorial member for i-manager’s journal of power system engineering (PSE) since 2018 to till date.
- Co-authored of text Book titled “Electrical Circuits” Reem Publications, New Delhi ISBN No.: 978-81-8351-029-5, 2011.

Educational Qualifications: B. Tech.	Year of Passing: 1994
M. Tech.	1998
Ph. D.	2013
Work Experience	
- Teaching	19 yrs.
- Research	15 yrs.
- Industry	---
- Others	---
Areas of Specialization	Electrical Power systems, Electrical Distribution systems, electrical Machines, Fuzzy logic, electrical circuits
Professional Membership	ISTE (LM 48704)
Ph. D. Guided	---
Projects Sponsored	---
Patents	---
Research Publications	35
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

Awards if any	<p>Got 'A' grade in Orientation Course – I/2005-2006</p> <p><b>Best paper award</b> 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 24<sup>th</sup> March, 2013 pp. 68-73</p>
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<b>International Journals:</b>			
Author	Title	Journal Name	Publication details
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. Suhail Hussain	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. Kasim Babu	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

<b>National Journals:</b>			
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 1 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
<b>National Conferences:</b>			
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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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. Kasim Babu	Incorporation of FACTS Devices in Deregulated Power Systems	National conference on Electrical Sciences NCES- 12, 7-8 <sup>th</sup> of Sept. 2012	Annamacharya Institute of Technology and Sciences, Rajampeta, Kadapa(Dt.)
N. Visali S.M. Suhail Hussain	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 <sup>th</sup> of Sept. 2012	Annamacharya Institute of Technology and Sciences, Rajampeta, Kadapa(Dt.)
N.Visali S. Lakshmi	A novel method for optimal location of voltage regulators	National Power Engineering	Thyagarajar college of Engg., Madurai

S. Sivanagaraju V. Sankar	in Radial distribution systems	Conference, (NPEC'07), 21-22 <sup>nd</sup> of June 2007	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 <sup>th</sup> Dec. 2004	VIT, Vellore PP. 185-189
<b>International conferences:</b>			
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 <sup>th</sup> 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 <sup>th</sup> -8 <sup>th</sup> 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	Krishi Sanskriti, Jawaharlal Nehru University New Delhi
N.Visali M.Navatha S. Sivanagaraju Dr.V. Sankar Dr. N. Sreenivasulu	Reconfiguration of radial distribution systems for loss reduction	International conference on engineering technology – 2003	KIIT Bhubaneswar, 19-21 <sup>st</sup> December 2003
<b>Workshops/ training programs attended</b>			
Knowledge & Innovation Management, National Productivity Council, New Delhi		Leh, Ladakh	26 <sup>th</sup> to 30 <sup>th</sup> May 2014

A three day workshop on “Applications of MATLAB for Engineering Computations”	Department of Mechanical engineering, IITDM Jabalpur	10 <sup>th</sup> – 12 <sup>th</sup> Jan. 2014
Management development Programme for senior faculty members of TEQIP Institutions in A.P.	ISB Hyderabad	23 <sup>rd</sup> & 24 <sup>th</sup> Dec-2013
Analytical techniques in research and Analysis	JNTUA College of Engineering , Pulivendula	27 <sup>th</sup> &28 <sup>th</sup> Dec-2013
Two day national level workshop on “Reliability Applications to power systems”	JNTUA College of Engineering , Pulivendula	26-27 <sup>th</sup> 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 <sup>rd</sup> July, 2013
A one day Phase- I workshop on “Training resource persons on Outcome based Accreditation”	JNTUA – NBA Nodal Centre, Anantapuramu	29 <sup>th</sup> April, 2013
Training programme on “ MIS Training”	Osmania University College of Engg., Hyderabad	13-14 <sup>th</sup> May 2013
A two day National level workshop on “Thrust areas in power systems”	JNTUACE, Pulivendula	18-19 <sup>th</sup> 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 <sup>th</sup> of April, 2006
A 3 day national workshop on “Distribution & automation – recent trends (DART-2005)”	EEE dept. JNTUCE(Autonomous), Anantapur	28-30 <sup>th</sup> 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 <sup>th</sup> of Dec. 2003
Refresher course on “Network Programming”	UGC-ASC,JNTU, HYDERABAD	3 weeks 29-10-2003 to 18-11-2003
<b>Workshops/ training programs organized</b>		
A two day workshop organised on “Intelligent techniques and their applications in engg.”	EEE dept. JNTUCE(Autonomous), Anantapur	14-15 <sup>th</sup> 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 <sup>th</sup> -31 <sup>st</sup> Jan. 2014
A national level technical student symposium “EEL 2k14”	EEE dept. JNTUACE, Pulivendula	MAR. 2014