

BIO DATA

1. Name: Dr. Darapureddi V Kumar

2. Father Name: Dr.D.V.G.S.Naidu

3. Date of Birth: 10-08-1974

4. Category: BC-D, Koppala Velama

5. Permanent Address: Dr.D.Vijaya Kumar
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6. Mailing Address : Dr.D.Vijaya Kumar
Professor in EEE Department

Dean-Academics

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7.Designation: Dean Academics

8. Educational Qualifications:

S. No	Degree	Institution	Board/University	Year of Passing	Specialization
1.	S.S.C	RCM St. Johnes High School, Parvathipuram, Vizianagaram (Dt)	Board of Secondary Education, Hyderabad	1989	--
2.	Inter	Govt. Junior College, Parvathipuram, Vizianagaram (Dt)	Board of Intermediate Education, Hyderabad	1991	Mathematics, Physics, Chemistry
3.	B.E	College of Engineering GITAM, Visakhapatnam	Andhra University, Visakhapatnam	1997	Electrical and Electronics Engineering
4.	M.E	A.U.College of Engineering , Visakhapatnam	Andhra University, Visakhapatnam	2000	Power Systems

5.	Ph. D	A.U.College of Engineering , Visakhapatnam	Andhra University, Visakhapatnam	2010	Electrical and Electronics Engineering
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9. Titles of Thesis:

S. No	Degree	Title of thesis	Name of the Institution	Name of the Guide
1.	M.E.	Static voltage collapse studies in power systems	Andhra University, Visakhapatnam	Dr.V.Purna Chandra Rao Professor, Electrical Department, Andhra University
2.	Ph. D	New RouthApproximants of LinearInterval SystemsRetaining ImpulseEnergy-Critical Studyand some New Aspects	Andhra University, Visakhapatnam	Dr.G.V.K.R. Sastry Professor, Electrical Department, Andhra University

10. No. of Workshop/ Training Programmes/ Summer/ Winter Schools Attended:

Sl. No	Name of the Course	Place	Title	Month & Year	National or International
1.	A 3 weeks refresh course	JNTU, Hyderabad	Simulation tools for Electrical Engineering Applications	Feb-2003	National
2.	A 1 Week training program	GVP college of Engineering, Visakhapatnam	Modelling of power system components	Dec-2003	National
3.	A 3 weeks refresh course	JNTU, Hyderabad	Generation, Measurement & Testing in High Voltage Engg.	Oct-2004	National
4.	A 2 day national workshop	Andhra University, Visakhapatnam	Emerging Trends in power sector	Jan-2005	National
5.	A 2 day national workshop	JNTU, Kakinada	Real time power systems	Feb-2005	National
6.	A 3 day short term course	Andhra University, Visakhapatnam	Advanced Theory of Control systems	Mar-2007	National
7.	A 3 day national workshop	Shri Vishnu Engg. College For Women, Bhimavaram	Recent Advancements in Modeling and Simulation of Control systems	July-2007	National
8.	A 2 day national workshop	AITAM College of Engineering , Tekkali	Advances in Electrical Engineering	Sep-2008	National
9.	A 1 day national level workshop	MVGR College of Engg., Vizianagaram	Recent Trends in Electrical Engineering	Oct-2008	National
10	2 Weeks Faculty Development Programme	AITAM College of Engineering , Tekkali	Soft Computing Application to Power System and Control MAT Lab	April-2012	National
11.	1 day workshop	AITAM College of Engineering , Tekkali	Outcome based education	19 Jan-2013	National
12.	1 day Seminar	Visakhapatnam (Mathworks)	MAT LAB & Simulink for Engineering Education	07 th Feb,2013	National
13.	1 Week Faculty Development Programme	IIM Indore	Management Capacity Enhancement Programme	Jan 2014	National

14.	02 days Workshop	AITAM College of Engineering , Tekkali	09 th ISTE A.P. Section Annual Convention and Awards Function-2014	Nov2014	National
15.	1 day Workshop	AITAM College of Engineering , Tekkali	Out Come Based Education	Dec2014	National
16.	1 day Workshop	AITAM College of Engineering , Tekkali (in Association with IUCEE)	Out Come Based Education	March2015	National
17.	1 Week Faculty Development Programme	AITAM College of Engineering , Tekkali	Effective Solutions to Smart-Grid	April2015	National
18.	1 Week Continuing Education Programme	Andhra University, Visakhapatnam	Contemporary Applications of Control Engineering	April2015	National
19.	1 Week Workshop	AITAM College of Engineering , Tekkali	Reviving Education by Implementing Active & Guided Inquiry Experiences in Science, Technology, Engineering, Math & Management	August2015	International
20.	3 days training program	AITAM College of Engineering , Tekkali	Pedagogy and Management Capacity Enhancement Program for Teaching Staff	23 rd -25 th June, 2016	National
21.	1 day Awareness workshop	Engineering staff college of India	Intellectual Property Rights(IPR) in E&IT Sector	5 th July, 2016	National
22.	1 week Faculty Development Programme	AITAM College of Engineering , Tekkali	Optimization Techniques for Electrical Engineering Applications	22 nd -27 th Sept, 2016	National
23.	1 week Faculty Development Program	Teaching Learning Center, IIT Patna	Component and applications of IOT	24 th to 28 th September, 2016	National
24.	1 week Faculty Development Programme	NIT, Warangal and AITAM, Tekkali	Internet of things and data analytics	12 th to 17 th Nov 2018	National
25.	02 Day Workshop	AITAM, Tekkali	Outcome based Education	13 th to 14 th July, 2019	National
26.	1 week Faculty Development Programme	Muffakham Jarh college of Engineering & technology Hyderabad	Machine Health Monitoring & Evaluation using IOT through ICT	25 th to 29 th March, 2019	National
27.	1 week Faculty Development Programme	AITAM, Tekkali	Labview in Engineering & Academic Research	27 th Jan to 01 st Feb 2020	National
28.	1 week Faculty Development Programme (Online)	CMR college of Engineering & technology Hyderabad	Research opportunities in power Engineering	22 nd – 27 th April, 2020	National
29.	1 week Faculty Development Programme (Online)	Rajarambapu Institute of technology Islampur, Maharashtra	Design, Simulation and development of Unmanned Aerial vehicles	30 th April to 04 th May 2020	National
30.	1 week Faculty	SJB institute of	Labview	4 th to 8 th	National

	Development Programme (Online)	technology, Bengaluru		May, 2020	
31.	2 week Faculty Development Programme (Online)	Government college of Engineering, Karad	Research opportunities in Electrical Engineering (TEQIP-III)	7 th to 16 th May, 2020	National
32.	2 week Faculty Development Programme (Online)	Andhra pradesh state skill Development Corporation, Andhra pradesh	Internet of things (IOT)	18 th to 30 th May, 2020	National
33.	1 week Faculty Development Programme (Online)	Chebrolu Engineering College, Guntur	Universal Human values and professional Ethics	13 th to 17 th May, 2020	National
34.	1 week Faculty Development Programme (Online)	M.S. Ramaiah Institute of technology, Bengaluru	NBA and NAAC Accreditation Process	04 th to 08 th June, 2020	National
35.	2 week Faculty Development Programme (Online)	NIT, Kurukshetra	Green Energy technologies for sustainable Development (TEQIP-III)	11 th – 20 th June, 2020	National
36.	1 week Faculty Development Programme (Online)	MNIT, Bhopal	Future trends in Green Technologies	22 nd to 26 th June, 2020	National
37.	1 week Faculty Development Programme (Online)	Indira Gandhi Institute of technology, Sarang	Renewable Power Generation, Control And Grid Integration (TEQIP-III)	10 th to 14 th August, 2020	National
38.	1 week Faculty Development Programme (Online)	Government college of Engineering, Kalahandi Odisha	Recent Advances in Electronics and communication Engineering	17 th – 21 st August, 2020	National
39.	1 week Faculty Development Programme (Online)	Bapatla Engineering College,Bapatla	IOT And Smart Device Application In Green Technology And Electric Vehicles	24 th to 28 th Aug, 2020	National
40.	1 week Faculty Development Programme (Online)	Dr. N.G.P INSTITUTE OF TECHNOLOGY, COIMBATORE	Machine Learning & Internet Of Things For Industrial Applications	28 th Sep to 04 th Oct, 2020	National
41.	01 Day Webinar (Online)	AITAM, TEKKALI	Challenges In Good Learning And Assessment - Post Covid 19	5 th September 2020	National
42.	1 week Faculty Development Programme (Online)	Rajasthan technical university, Kota	Nano Technology Based Green Energy Solution For Solar Cells	10 th to 14 th September, 2020	National
43.	01 Day Webinar (Online)	AITAM, TEKKALI	National Education Policy 2020	15 th September, 2020	National
44.	1 week Faculty	Indian society	Outcome base Education and	05 th – 09 th	National

	Development Programme (Online)	technical Education (Telengana Section)	Accreditation	October 2020	
45.	1 week Faculty Development Programme (Online)	Ramachandra College of Engineering, Eluru	An Integrative approach to Impact ethics and Moral values in Engineering Education	02 nd to 06 th November, 2020	National
46.	2 week Faculty Development Programme (Online)	Sasi institute of technology and engineering tadepalligudem	Advanced power Electronic Applications in Power system	19 th to 31 st October, 2020	National
47.	1 week Faculty Development Programme (Online)	IIT Varanasi	Transition towards Electric Vehicles and their charging Ecosystem in India	11 th to 16 th Jan, 2021	National
48.	2 week Faculty Development Programme (Online)	BV Raju Institute of technology, Medak	Electric Vehicle (EV) Components, Technologies, Challenges and future Development	18 th to 30 th January, 2021	National
49.	1 week Faculty Development Programme (Online)	IIT Varanasi	Challenges, opportunities and Emerging Trend in the Field of High voltage	01 st – 06 th February 2021	National
50.	2 week Faculty Development Programme (Online)	Bapatla Engineering College, bapatla	Emerging technologies in Electric Vehicles	02 nd to 14 th August, 2021	National

11. No. of Workshop/ Training Programmes/ Summer/ Winter Schools/ Conferences Organized

Sl. No	Name of the Course	Place	Title	Month & Year	Convener / Co-Convener	National or International
1	A 2dayStudents symposium	AITAM - Tekkali	AMPERE-2K12	12 th to 13 th March, 2012	Convener	National
2.	A 2dayStudents symposium	AITAM - Tekkali	ASPIRE-2K12	21 st to 22 nd ,September 2012	Co-Convener	National
3.	A 2 Weeks Faculty Development Programme	AITAM - Tekkali	Soft Computing Application to Power System and Control MAT LAB	16 th to 29 th ,April 2012	Co-Convener	National
4.	National Conference	AITAM - Tekkali	Recent Developments In Electrical	15 th to 16 th , March	Convener	National

			Engineering (NCRDEE-2013)	2013		
5.	Short Term Training Programme	AITAM - Tekkali	Soft Computing Applications to Power Systems (SOFTCAPS)	26 th to 28 th December 2013	Convener	National
6.	A 2 day Students symposium	AITAM - Tekkali	ASPIRE-2K15	26 th to 27 th , February 2015	Convener	National
7.	1 Week Faculty Development Programme	AITAM - Tekkali	Effective Solutions to Smart – Grid	04 th to 08 th , April 2015	Convener	National
8.	Two days National conference	AITAM - Tekkali	Recent Trends in Power Electronics and Drives	22 nd - 23 rd , January 2016	Convener	National (DST Sponsored)
9.	1 Week Faculty Development Programme	AITAM - Tekkali	Optimization Techniques for Electrical Engineering Applications	22 nd -27 th September 2016	Convener	National
10.	1 Week Faculty Development Programme	AITAM - Tekkali	Labview in Engineering & Academic Research	27 th January to 01 st February 2020	Convener	National
11.	International Conference, Springer	AITAM - Tekkali	Intelligent Computing in control and communication	7 th to 8 th August, 2020	Convener	National
12.	ATAL FDP	AITAM - Tekkali	Electric Vehicles	16 th to 20 th November 2020	Convener	National (AICTE Sponsored)

12. Details of employment (past & present): 22 Years

Sl. No	Name of the Institution	Scale of Pay/ Total Salary	Post held	Duration
1.	SISTAM College of Engineering, Srikakulam	8000-275-13000 Total: 13027	Assistant Professor	June 2000 to Sep. 2005

2.	SISTAM College of Engineering, Srikakulam	12000-420-18300 Total: 19200	Associate Professor	Oct. 2005 to May 2008
3.	VITAM College of Engineering, Visakhapatnam	12000-420-18300 Total: 26650	Associate Professor	May 2008 to June 2009
4.	PRIME College of Engineering, Vizianagaram	18000-420-24300 Total: 35000	Associate Professor	June 2009 to Jan. 2011
5.	Institute of Technology, GITAM university, Visakhapatnam	37400-67000 AGP: 9500 Total: 77385	Associate Professor	Feb 2011 to August 2011
6.	Aditya Institute of Technology and Management , Tekkali, Srikakulam (Dist)	37400-67000 AGP:10000 Total: 154500	Professor (Ratified post, Ratified by JNTU Kakinada	Sept 2011 to till date

13. Administrative Experience:

Sl. No	Name and Address of Institution	Post held	Duration
1.	College of Engineering SISTAM, Srikakulam	HOD-EEE	Dec 2005 to May 2008
2.	College of Engineering SISTAM, Srikakulam	In-Charge Principal	Jun 2006 (1week)
3.	Institute of Technology, GITAM university, Visakhapatnam	1.Department Committee (DC) – Member 2. Board of Studies –Member Centre of Innovation and entrepreneurship- Member	Feb 2011 to August 2011
4.	College of Engineering Chaitanya, Pydha, Gayatri, Visakapatnam	Route officer EAMCET-2008	May 2008
5.	Bullayya College of Engineering for women, Visakhapatnam	Route officer & Observer ECET-2012	May 2012
6.	Bullayya college of Engineering for women, Visakhapatnam	Route officer and observer ECET-2014	May 2014
7.	Andhra University, Visakhapatnam	Enforcement Officer EAMCET-2016	May 2016
8.	AITAM College of Engineering , Tekkali	1.HOD-EEE	09 th September 2011 to 06 th October 2021
		2. Anti Ragging Committee - Member	
		3.Diciplinary Committee – Member	
		4. IIC Member	
		5. Board of Studies –Chairman (EEE Dept.)	01 st June 2013 to
		6. Academic council committee- Member	06 th October 2021
		7. Dean-Academics	07 th October 2021 to

14. Resource Person: 04

Sl. No	Name and Address of Institution	Course	Duration	National/ International
1.	College of Engineering Gokul, Bobbili	Electrical Distribution Systems	August 2004 (3Days)	National
2.	V,R.Siddhardha College of Engineering Vijayawada	Advance Control Systems (Conducted by JNTU Kakinada & A.P. Higher Education Hyderabad)	January 2012 (24-01-2012)	National
3.	Gandhi Institute of Technology, Gunupur	International Conference on Communication, Control and Instrumentation	25 th to 27 th October, 2013	International
4.	AITAM	International Conference on Engineering Science, technology and management	29 th and 30 th November, 2018	International

15. As a Reviewer/Expert member/ Judge:

S. No	Position	Name of the conference / journal	Name of the Institution
1.	Paper Reviewer	International conference on Computational Intelligence in Data Mining – ICCIDM2015	VSSUT Burla, Orissa
2.	Judge	National Level Technical and Management Symposium Dates: 26 th March, 2015	Sri Sivani College of Engineering, Srikakulam
3.	Review Board Member	International Journal of Research in Engineering and Technology e-ISSN 2319-1163	Pune
4.	Paper Reviewer	International conference on smart electric grids- 2014	K L University, Guntur, Andhra Pradesh
5.	Paper Reviewer	Intelligent Control And Automation Journal	Scientific Research Publishing
6.	Paper Reviewer	International conference on Computational Intelligence in Data Mining – ICCIDM2014	VSSUT Burla, Orissa
7.	Expert member	e-resources content review meeting sub: Power system operation and control, dates: 22 nd to 23 rd June, 2013	JNTU, Kakinda

8.	Judge	National level student technical symposium (VDYOTHA-2K12) Dates: 06 th January 2012	Prajna Institute of Technology and Management, Palasa
9.	Judge	National level student technical symposium (EGEIRO-2K12) Dates: 06 th March 2012	ThandraPaparaya Institute of Science & Technology, Bobbili
10.	Judge	National level student technical symposium Dates: 20 th November 2011	National Institute of Science & Technology, Orissa

16. External Funding

S.No	Year of sanction	Title of the sponsored project	Name of the funding agency	Grant Amount in Rupees	Convener/ Co-Convener
1.	2012	FDP on ‘‘Soft Computing Application to Power System and Control MATLAB’’	AICTE	4,20,000	Co- Convener
2.	2016	Recent Trends in Power Electronics and Drives	DST	1,00,000	Convener
3.	2020	ATAL FDP	AICTE	93,000	Convener

17. Expert Member -Examination Paper Setting:

1. Andhra University
2. GITAM University
3. Nagarjuna University
4. K.L. University
5. L.B. College of Engineering, Mailavaram
6. S.V. University, Tirupathi
7. V.R. Siddhardha Engineering College Vijayawada
8. Pragati Engineering College Kakinada
9. Godavari Institute of Engineering & Technology, Rajahmundry
10. Anurag College of Engineering, Kodada, Telangana District

18. Research Experience :

Guiding M.Tech Projects: 22 (Completed)
01 (Pursing)

S. No	Name of the candidate, Register number	Thesis Title	Date of Awarded	Name of the Institution
1.	Suresh Kumar Sahu 10A51D5413	Simulation of UPQC-ML using Hysteresis control and comparing it with series and shunt active power filter	07/06/2013	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt.
2	B.Ramya10A51D5401	Optimal capacitor placement and sizing in lower Distribution systems for harmonic reduction and improving voltage profile and using particle swarm optimization	21/03/2013	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt.
3.	D.Vanajakshi 10A51D5411	Speed and Torque control of BLDC motor with PID controller	21/03/2013	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt.
4.	G.Sravanthi11A51D5403	24 pulse AC-DC Converter for improved power quality	13/07/2014	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt.
5.	N.Sowjanya11A51D5411	Distributed renewable resources constructed with multilevel converter using SVM technique	13/07/2014	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt.
6.	S.K.Baji11A51D5414	Three Phase single stage Boost inverter with coupled inductor for renewable energy sources	29/12/2013	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt.
7.	M.Prasanthi13A51D5413	Control strategy for fault current interruption in a radial distribution line using dynamic voltage restorer	12/09/2015	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt
8.	V.Gowthami12A51D5421	Analysis and implementation of PI and fuzzy controllers for MPPT based PV cell for grid connection	12/02/2016	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt
9.	T.Sridevi11A51D5415	Power Quality improvement in a PV Distribution system by using D-STATCOM	03/04/2015	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt
10.	M.Satish Kumar 12A51D5406	A novel single input multi-output converter fed induction machine drive	30/12/2014	Aditya Institute of Technology and Management,

		for industrial application		Tekkali, Srikakulam Dt
11.	D.Byragi13A51D5418	A Novel high efficiency high step-up interleaved converted with voltage multiplier circuit for PV system	27/12/2015	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt
12.	D.Sagar Kumar 12A51D5414	A Single-phase voltage-controlled grid-connected photovoltaic system with power quality conditioner functionality	12/02/2016	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt
13.	K.Prameela12A51D5405	Z-Source inverter based dynamic voltage restorer for the mitigation of voltage sag/swell	12/02/2016	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt
14.	D.Dhananjayanaidu 13A51D5403	A new simplified asymmetrical multilevel inverter topology with fundamental switching control	05/08/2016	Aditya Institute of Technology and Management, Tekkali, Srikakulam Dt
15.	. Vijayachandra 14A51D5405	Modeling and Analysis of a Microgrid with Solar and Wind Energy Systems	09/01/2017	Aditya Institute of Technology and Management
16.	K. Meghana14A51D5406	Control of PMSM using Neuro-Fuzzy Based SVPWM Technique	09/01/2017	Aditya Institute of Technology and Management
17.	B.Vineel14A51D5402	Enhancing Power Quality to Sensitive Loads with Micro grid Using Fuzzy Logic Controller	09/01/2017	Aditya Institute of Technology and Management
18.	N.Kruparani14A51D5413	Maximum Power Point Tracking for Photovoltaic System by Incremental Conductance Method Using Boost and Buck-Boost Converter	20/07/2017	Aditya Institute of Technology and Management
19.	P.Eswara Rao 12A51D5410	Harmonics Mitigation By Using Fuzzy Based D-Statcom in Distribution System	20/07/2017	Aditya Institute of Technology and Management
20.	S. Sireesha15A51D5412	Fuzzy based unified power Flow controller system for reduction of harmonics & line losses	18/12/2017	Aditya Institute of Technology and Management
21.	Y. Lavanya Kumari 15A51D5417	Fault current reduction in distribution system using fuzzy based active superconducting fault current limiter	18/12/2017	Aditya Institute of Technology and Management

22.	S. kinnera16A51D4302	Optimal placement of Distributed generation in radial distribution system using Dragonfly Algorithm	11/01/2019	Aditya Institute of Technology and Management
23.	T. BhargavTeja 17A51D4302	Hybrid Fuzzy PID based Pitch Angle Controller for Wind Turbine	20/10/2021	Aditya Institute of Technology and Management

19. Guiding Ph.D Students: 07

S. No	Name of the candidate, Register number	Thesis Title	Name of the Institution
1.	Banavath Venkateswarlu KLU/AR/2014- 15/reg/1480589	Power Systems	Department of EEE, KL University, Guntur
2.	Lakhinana Dinesh JNTUK/2015- 16/reg/ 15022P0207	Power Systems	Department of EEE, JNTUK, Kakinada
3.	K. Swetha JNTUK/2015- 16/reg/15022P0216	Control Applications to Power Systems	Department of EEE, JNTUK, Kakinada
4.	K. Kusal Kumar JJT/2K9/Engg./reg/394	Power enhancement by using shunt active filter with control strategies under grid Distortions	Department of EEE, Shri Jagadishprasad Jhabarmal Tibrewala University, Jhunjhunu, Ra
5.	Srinivasa Acharya/reg/ 1634110015	Power Systems	Department of EEE, Annamalai University, Chidambaram, Tamilnadu
6.	G. Amarnadh/reg/19EE023	Power Systems	GIET University Gunupur- Odisha
7.	Neyyala Raju/reg/ 19EE027	Power Systems	GIET University Gunupur- Odisha

20. List of publications:

International Journal Publications :

1. G.V.K.R.Sastry, **D.VijayaKumar,**”Large scale MIMO-interval system reduction using improved SRAM” International Journal of Engineering Research & industrial Applications (IJERIA)., vol.1, No.VI, ISSN: 0974-1518, pp 301-308., 2008.
2. Sastry G.V.K.R, **Vijaya Kumar. D,**”Linear Uncertain systems reduction using IRAM”, International journal of Applied Engineering Research (IJAER),ISSN 0973-4562 Volume 4 Number 12 pp. 2415- 2422, 2009 (**Scopus**)
3. G.Prasad, **D.Vijaya Kumar,**V.Raj Kumar, M.Ebraheem, “A New Approach for VoltageStability in a Multibus System Using ANN Technique”, IFRSA’s International Journal of computing, vol.1,issue4,October 2011, pp 629-634.
4. V.Raj Kumar, B.Viswanath, **D.Vijaya Kumar,**B.VenkataRamana, “A Heuristic Based multi-Objective Approach for Network Reconfiguration of Distribution Systems”,International Journal of Innovative Design and Engineering, ISSN 2222-2871 (Online), vol.2, No.5, 2011, (**Scopus**)
5. U.Mohan Rao, A. Pramoda, **D.Vijay Kumar,** “Decision Tree based UV/VIS Response to access the age of Transformer oil”, International journal of power system operation and Energy Management, Volume1, Issue2, pp 06-11, 2011 ISSN:2231-4407.
6. U.Mohana Rao, R.K. Jarial and **D.Vijaya Kumar,** “ High voltage grounding design, maintenance, experience: A case study”, Internal journal of Electrical and Power Engineering, Volume5, Issue6, 2011, ISSN:1990-7958, pp 224-228.
7. **Dr.D.Vijaya Kumar,** B.Ramya, “Optimal capacitor placement and sizing in lowerdistribution systems for harmonic reduction and Improving voltage profile and using particle swarm optimization”, The International Journal of Engineering and Innovative Applications (IJEIA), Volume1, Issue 2, pp 679-686 Nov 2012, ISSN 2248-9278.
8. **Dr.D.Vijaya Kumar,** D.Vanajakshi, “Speed and Torque Control of BLDC motor with PIDController”, International Journal of Engineering and Innovative Applications (IJEIA) Volume 1 Issue 2 , pp724-731, Nov 2012, ISSN 2248-9278.
9. **Dr.D.Vijaya Kumar,** Ramavathugopinaik, S.Naga Raju“Sensor less speed estimationtechnique for the vector controlled permanent magnet synchronous motor drive”, International Journal of Advances in Science and Technology (IJAST), Vol 6, No.1, pp 06-14, Jan 2013, ISSN 2229-5216.
10. **Dr.D.Vijaya Kumar,** Suresh Kumar Sahu, I.Ramesh“Simulation of UPQC usingCascaded Multilevel Inverter & Comparing it with Shunt & Series Active Power Filters”International Journal of Scientific & Engineering Research, (IJSER) Volume 4, Issue 2, February-2013, ISSN 2229-5518.
11. **Dr.D.Vijaya Kumar,** U.Mohan Rao, “Recent Trends in Condition Assessment ofInduction Motor Drives”, International Journal of Electrical and Electronics

12. S.Baji, **Dr.D.Vijaya Kumar**, S.Naga Raju, “Three Phase single boost inverter with Coupled inductor for renewable Energy sources”, International journal of engineering Research & Technology (IJERT), vol2, issue11, nov 2013., ISSN: 2278-0181, pp 77-83.
13. Chandra sekharrao.M, Naga raju.S, **Dr.D.Vijaya Kumar**, “Performance Evaluation of Static Compensation for Grid Connected System for Power Quality Improvement Features”, International Journal of Engineering Research & Technology (IJERT) vol2, issue 11, Nov 2013, pp 2284-2288.
14. Rajasekhar, S.Naga Raju, **Dr.D.Vijaya Kumar** “Applications of wavelets in power quality disturbances, ‘International Journal of Advances in Science and Technology, vol.7, no.2, Aug, 2013. pp 51-57
15. **Dr.D.Vijaya Kumar**, Satish kumar R, BB Rath, “Optimum Design of a Hybrid PV/Windenergy system using genetic algorithm”, IOSR Journal of engineering, vol.04, issue 01, January 2014, pp38-48.
16. **Dr. D,Vijaya Kumar** , Satish Kumar R,B.B.Rath, “ Optimization of Hybrid pv/windEnergy System using Genetic Algorithm”, International Journal of Engineering research and Applications, vol.4, issue1, jan2014, ISSN:2248-9622, pp 51-57.
17. N.Sowjanya, **Dr.D.Vijaya Kumar**, “Distributed Renewable Resources Constructed with multilevel converter using SVM Technique”, International Journals & magazines, vol.1, issue2, April 2014, ISSN: 2248-9278, pp1898-1906.
18. G.Sravanthi, **D.Vijaya Kumar**, I.Ramesh, “24 Pulse AC-DC Converters for improved power Quality”, International Journal of Electrical and Electronics Engineering Research, vol.4,issue2, April 2014, pp 223-228, ISSN (P) 2250-155X, ISSN (E): 2278-943X.
19. **Dr.D.Vijaya Kumar**, B.Manmadha Kumar, I.Ramesh, A.Jagannadham”, Static voltagecollapse studies in power systems”, International journal of scientific & Engineering Research, vol.5, issue 4. April 2014, ISSN 2229-5518.
20. M.Prasanthi, **Dr.D.Vijaya Kumar**, “Control Strategy for Fault Current Interruption in a Radial Distribution Line using Dynamic Voltage Restorer”, International Journal of Engineering and Technical Research (IJETR) ISSN: 2321-0869, Volume-3, Issue-6, June 2015, pp232-237
21. K.Swetha, **Dr.D.Vijaya Kumar**, Phani Kumar Samsani, “Load Frequency Control of a Single Area Power System Using Type-1 Fuzzy Controller”, International journal ofcomputational science, mathematics and Engineering, Volume2,Issue7, July 2015, ISSN (online):2349-8439, pp38-43
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Text Books published:

A text book on Power System Operation and Control Published by Scitech publications (India) Pvt., Chennai. In 2004.

21. Professional recognitions, awards, fellowships received:

- Selected best paper in International Conference on Computational Intelligence and Engineering Applications to be held at Bhubaneswar, during 16th-17th, October, 2011
- Best Electrical and Electronics Engineering Teacher 2020 sponsored by Geethanjali Institute of Science and Technology, Nellore (ISTE AP Section)
- Certificate of Appreciation by AICTE, New Delhi (Coordinated ATAL Online

Any other information.

Life member of MISTE,
Member in INSE
IEEE Member

A handwritten signature in blue ink, appearing to be 'D. V. S.', written over a horizontal line.

**Signature of the
applicant**