

Bio-data

Name : **M. VIJAYA KUMAR**

Date of Birth : **01-05-1966**

Designation : **Professor in EEE & Registrar, JNTUA**

Official Address : **JNT University Anantapur,
Ananthapuramu – 515 002 (A.P)**

Residential Address : **# 3-163, SV Homes,
KM colony, OPP.JNTU,
Ananthapuramu – 515 002 (A.P)**

Phone : **08554 - 242027 ® 09440780899 (Mobile)
08554 - 272433 (O) 09908088806 (O)**

Fax : **08554 – 272437**

E mail : **mvk.eee@jntua.ac.in**



Educational Qualifications:

S.No	Course	Specilization	Year of Passing	Institution	Class
1	X Class		1981	APPZPH School, Atmakur, Anantapur (Dist) AP Board of Secondary Education	First 62%
2	Intermediate	Maths, Physics, Chemistry	1983	Govt. Junior College (Boys), Anantapur AP Intermediate Board	First 63.4%
3	B.Tech	Electrical & Electronics Engg	1988	NBKRIST, Vidyanagar, (SVUniversity)	First 67%
4	M.Tech	Electrical Machines & Industrial Drives	1990	REC, Warangal (Kakatiya University)	First 71%
5	Ph.D	Electrical Engineering	2000	JNTUniversity, Hyderabad	--

Details of Doctoral thesis:

Title : Certain Aspects of Electrical Energy Measurement, Maximum Demand Estimation and Conservation with Case Studies.

Year of award of Ph.D : 2000

Professional Experience :

S.No	Designation	Institution	Experience	
			From	To
1	Professor	JNTU College of Engg, Anantapur	22.4.2006	Till Date
2	Associate Professor	JNTU College of Engg, Anantapur	14.11.2003	21.4.2006
3	Director	AICTE, New Delhi	3.7.2003	12.11.2003
4	Associate Professor	JNTU College of Engg, Anantapur	2.3.2001	2.7.2003
5	Lecturer (Asst.Prof.)	JNTU College of Engg, Anantapur	19.10.1992AN	1.3.2001
6	Lecturer	KSRM College of Engg, Kadapa	30.10.1991	19.10.1992FN
7	Teaching Assistant	REC, Warangal	3.2.1990	29.10.1991

Administrative Experience :

S.No	Designation	Institution	Experience	
			From	To
1	Officer in charge of Electrical Maintenance	JNTU College of Engg, Anantapur	26.5.2000	7.10.2002
2	Project Engineer (Electrical)	JNTU College of Engg, Anantapur	17.11.2000	7.10.2002
3	Officer in charge of Academic Section	JNTU College of Engg, Anantapur	7.10.2002	2.7.2003
4	Director	AICTE, New Delhi	3.7.2003	12.11.2003
5	Officer – Incharge of Hostels	JNTU College of Engg, Anantapur	28.05.2005	12.05.2006
6	Head of the Department	JNTU College of Engg, Anantapur	30.4.2006	27.8.2008
7	Registrar	JNTUniversity Anantapur	27.8.2008	3.11.2010
8	Director Foreign Affairs & Alumni Matters	JNTUniversity Anantapur	23.2.2013	29.1.2015
9	Director of Admissions	JNTUniversity Anantapur	29.1.2015	28.03.2018
10	Director Academic and Planning	JNTUniversity Anantapur	28.03.2018	28.06.2019
11	Registrar	JNTUniversity Anantapur	29.06.2019	28.04.2021
12	Rector	JNTUniversity Anantapur	29.04.2021	Till Date

Teaching Experience: 30 years of teaching experience

Subjects Taught:

Undergraduate courses	Post graduate courses
<ul style="list-style-type: none">❖ Electromechanics – I❖ Electromechanics – II❖ Electromechanics – III❖ Electrical Technology❖ Microprocessor 8086❖ Power Electronics❖ Solid State Electric Drives❖ Microprocessors & Microcontrollers❖ Instrumentation❖ Electrical Measurements❖ Utilisation of Electrical Energy❖ Electrical Circuits & Electrical Machines❖ Digital Systems	<ul style="list-style-type: none">❖ Advanced Microprocessors❖ FACTS Controllers & Applications❖ Switching & Resonant Converters❖ Thyristor Controlled Drives❖ HVDC Transmission❖ Digital Systems❖ Solid State Electric Drives – I❖ Solid State Electric Drives – II❖ Power Electronic Converters❖ Solar Energy Conversion System

Research Projects completed as Co-ordinator:

Completed two Research Project funded by AICTE and UGC. The details are as follows:

- ❖ Acted as Chief Co-ordinator of TAPTEC Project titled “ Microcontroller/ Microcomputer Based Instrumentation” worth Rs.5.00 lakhs sanctioned by AICTE in the financial year 1996-97.
- ❖ Acted as Principal Investigator of Major Research project titled” Fuzzy and Artificial Neural Network Based Controllers for Vector Controlled Induction Motor Drives” worth Rs.7.35 lakhs in the financial year 2004-05.

Research Experience and Guidance provided:

Total research experience : 20 years

- ❖ Guided 30+ Undergraduate projects and 100+ Postgraduate theses
- ❖ Guided students to work and present the research papers in student paper contests
- ❖ Presently, supervising Research scholars for their Ph. D.

Research guidance Provided

Details of Ph.Ds' awarded under my Supervision:

S.No	Title of the thesis	Name of the Student	Date of Award
1	Certain Optimization Aspects of Radial Distribution Systems.	S.Siva Nagaraju	08.04.2004
2	Certain Aspects of Direct Torque Controlled Induction Motor Drives.	Y.P.Obulesu	31.01.2006
3	Performance Improvement of Direct Torque	Y.V.Siva Reddy	07.07.2010

	Controlled Induction Motor Drive.		
4	Development of an Advanced and Efficient FEM based Technique for Solving the Coupled Field Problems in Power Transformers and other Sub-Station Equipment.	A.Srinivasulu Reddy	07.08.2010
5	Stability & Power Quality enhancement using power electronic circuits	T.Deva Raju	16.3.2011
6	Localization of Faults in a Transmission Line using Wavelet Techniques.	B.Ravindranath Reddy	14.6.2011
7	Real Time Metering for Energy Management and Auditing	P.Sujatha	21.01.12
8	Nonlinear Modeling and Control of Switched Reluctance Motors	K.Venkata Reddy	23.01.12
9	Investigation on Potential Photovoltaic Power Modules for Higher Electrical Output	R.Kiranmayi	15.07.2013
10	Key Performance Indicators for Energy Management	M.S.Sujatha	16.10.2014
11	Investigations on Control of DC-DC Converters for Stand Alone Wind Energy System	M. Annamalai	25.04.2015
12	Decentralized State Feedback Power System Stabilizers	A.Venkateswara Reddy	20.05.2015
13	Design, Analysis and Control of DC to DC Quasi Resonant Converters	K.Deepa	19.12.2015
14	A Study and Modeling of Novel Hybrid Shunt Active Filter for the Improvement of Power Quality	S.Sella Kumar	16.04.2016
15	Minimization of Torque Ripple by Voltage Vector Modulation in Direct Torque Controlled AC Drives: Analysis and Implementation	A.Sudhakar	13.05.2016
16	Application of STATCOM in Distribution Systems for Power Quality Improvement	N.Usha	22.08.2016
17	Performance Improvement of Vector Control Induction Motor Drive	P. Rama Mohan	27.06.2017
18	Optimal Placement, Economic and Environmental Aspects of DG in RDS	J.A. Bhaskar	20.07.2018
19	Voltage Profile Improvement of Grid Connected Wind Farms using FACTS Devices	K.Sree Latha	18.08.2018
20	Reduction of THD in Wind Energy Conversion System using Multilevel Converters	G.Pandu Ranga Reddy	07.09.2018
21	Performance Improvement of 7-Level Inverter with SIMO/Impedance Source Network for PV System	B.M. Manjunatha	08.10.2018
22	Comparative Study of Various Space Vector based PWM Techniques for VSI fed Induction Motor Drives.	M. Nayeemuddin	22.03.2019
23	Performance Improvement of Sensorless Controlled IPMSM Drive With Adaptive Controllers	K.Narasimhaiahachari	04.07.2019
24	Mitigation of Certain Power Quality Issues with custom Power Devices using Intelligent Controllers	M. Ramasekhara Reddy	18.01.2020
25	Certain Performance Improvement Aspects of Sensor less Induction Motor Drives using MRAS	M. Ankarao	18.01.2020

	Technique.		
26	Certain Aspects of Generalized Cascaded Sub Multi Level Inverters	Bolla Madhusudan Reddy	26.05.2020
27	Power Quality Disturbance Recognition and Mitigation Using Discrete Wavelet Transforms and UPQC	A. Muni Sankar	13.07.2020
28	Analysis of unconventional methods for the DTC SVM Techniques for 3-Phase induction motor	Y.Krishna Priya	

Scholars working for their Ph.Ds' under the supervision

S.No	Name	Title	Reg. Year
1	U.Srinivas	Designing of a Robust and Adaptive Power System Stabilizer(PSS) using Intelligent Techniques	2011
2	C.Prasanth Sai	Implementation of Soft computing techniques to achieve MPPT for Solar PV Systems with advanced converters	2016-17
3	S V Pratap Shima Reddy	Design and Implementation of Power Conditioner for Electric Vehical	2018-19

Number of Research publications:

International Journals	:	101
National Journals	:	30
International Conferences	:	42
National Conferences	:	40

(Detailed List of Publications are attached in separate sheet)

Experience in Associations/ Organizations:

S.No	Designation	Institution	Experience	
			From	To
1	Secretary cum Treasurer ISTE local chapter	JNTU College of Engg, Anantapur	Oct'1998	Oct'2000
2	Secretary Teachers Association	JNTU College of Engg, Anantapur	1.1.2000	31.12.2001
3	National Executive Council Member ISTE, NewDelhi	ISTE, NewDelhi	1.1.2003	31.12.2005
4	Vice President, Teachers Association	JNTU College of Engg, Anantapur	1.1.2004	31.12.2005
5	Member Convener Monitoring & Development Committee	JNTUniversity Anantapur	10.9.2008	3.11.2010

6	State Managing Committee Member	ISTE AP section	1.1.2009	31.12.2011
7	State Managing Committee Member	ISTE AP section	1.1.2012	31.12.2014

Awards:

- Received **The Pandit Madan Mohan Malaviya Memorial Prize** from The Institution of Engineers (India) on 17.12.2004.
- Received **The Institute Prize** from The Institution of Engineers (India) on 17.12.2004.
- Received **Certificate of Merit** from The Institution of Engineers (India) on 11.12.2009
- Received the **Best Teacher Award** from AP State Government on 05.09.2015

Academic Achievements:

- 27 Research Scholars have received Ph.D. degrees under my guidance.
- Responsible for introducing new UG ad PG courses in JNTUA.
- Organised Conferences & Skill Development programs for unemployed youth. Received two funding projects from AICTE & UGC.
- Received three Prizes from Institute of Engineers (India) for publishing good Journal Papers.
- Received Best Teacher Award from AP State Government.

Administrative Achievements:

- Served as Founder Registrar of JNTUUniversity, Anantapur and played critical role in developing University from ground level and streamlined the procedures.
- Instrumental in getting UGC – Sec 2 (f) & Sec 12(B) status to the JNTUA.
- Instrumental in Introducing NRI/PIO/Foreign quota and getting foreign students to JNTUA
- Major role in Signing MoU's with various organisations.
- Prominent role in starting Collaborative programs of JNTUA with Foreign Universities
- Significant role in installation of two 500 KW Solar Power Stations in JNTUA campuses.

Industrial Exposure:

- Undergone Industrial Training at Kirloskar Electric Company Pvt.Ltd., Mysore from 02.05.1989 to 22.06.1989. Associated in the project “Singlephase static AC Regulator” during this period.
- Undergone practical training at Kirloskar Electric Company Pvt.Ltd., Mysore from 16.08.1989 to 30.01.1990 Completed M.Tech Dissertation work titled “Delta connected Power Controller to RF Induction Heater” during this period.

Board of Studies Memberships:

- Member, Board of Studies in E & ECE(P.G.) S.V.U, Tirupati – 3 years from 11.03.2005.
- Member, Board of Studies in EEE , JNTUCollege of Engg., Anantapur.
- Chairman, Board of Studies in EEE , JNTUCollege of Engg., Anantapur.
- Member, Board of Studies in EEE , JNTUniversity, Hyderabad
- Member, Board of Studies in EEE , JNTUCollege of Engg., Anantapur.
- Member, Board of Studies in EEE , Sri Krishnadevaraya University., Anantapur – 3 Years from 29.8.2009.
- Member, Board of Studies in EEE , Yogi Vemana University, Kadapa
- Chairman, UG Board of Studies in EEE , JNTUniversity, Anantapur w.e.f 22-7-2011 for a period of 2 years
- Chairman, PG Board of Studies in EEE , JNTUniversity, Anantapur w.e.f 4-10-2014 for a period of 2 years

Governing Body Memberships:

- Governing Body Member, VITS, Kavali
- Governing Body Member, Shree Institute of Technical Education, Krishnapuram, Chittoor(Dist)
- Governing Body Member, Shri Shiridi Sai Institute of Science & Engineering, Vadiyampet, Anantapur(Dist)
- Governing Body Member, Sree Vidyaniketan Engineering College, Tirupati
- Governing Body Member, Sree Rama Engineering College, Tirupati
- Governing Body Member, JNTUCE, Anantapur from 30.4.2006 to 27.8.2008.
- Governing Body Member, Annamacharya Institute of Technology and Sciences, Rajampet
- Governing Body Member, Madanpalli Institute of Technology and Sciences, Madanapalli
- Governing Body Member, KVSubba Reddy Engineering College for Women, Kurnool
- Governing Body Member, Chaitanya Bharathi Institute of Technology, Proddatur

Membership in Committees:

- Member, EEE Doctoral Committee, JNTUniversity, Anantapur
- Member, NSS Advisory Committee , JNTUniversity, Anantapur
- Member, Building Committee, JNTUniversity, Anantapur
- Member, Building Committee, SKUniversity, Anantapur

Membership in Professional Bodies:

- Life Member of Indian Society for Technical Education (ISTE) – LM 14250
- Life Member of System Society of India (SSI) – LM 26008

- Fellow of Institution of Engineers (India) - FIE (F 112671-3)
- Senior Member IEEE 95034237

Participation in Conferences/ Refresher Courses/ Workshops/ Summer/ Winter Schools/ Symposiums/ Seminars, etc.:

S.No	Name of the Course	Duration	Dates	Place
1	National Workshop on Recent Trends on Microprocessor Applications	3 Days	25-27 June,1990	JNTU College of Engg, HYD
2	ISTE Winter School on Developments in Computer Based Control Systems	1 Week	26.12.90 To 1.1.91	MBM Engg. College, Jodhpur
3	Winter School on Computer Software	4 Weeks	21.1.93 To 17.2.93	JNTU College of Engg., Anantapur
4	ISTE Summer School on Signals and Systems	2 Weeks	9-21 May,1994	JNTU College of Engg., Anantapur
5	ISTE Summer School on C Language	4 Weeks	1-30 Aug,1994	JNTU College of Engg., Anantapur
6	UGC Refresher Course in Electrical Engg	4 Weeks	7.11.94 To 2.12.94	JNT University Hyderabad
7	ISTE Summer School on Operations Research	4 Weeks	8.3.95 To 6.4.95	JNTU College of Engg., Anantapur
8	QIP Short Term Course on System Identification and Adaptive Control	2 Weeks	4-15 Dec,1995	IIT Madras
9	National Workshop on PC Based Instrumentation	1 Week	10-17 March,97	SK University Anantapur
10	ISTE Winter School on Programming in C++ and Data Structures	4 Weeks	31.12.97 To 29.1.98	JNTU College of Engg., Anantapur
11	ISTE Summer School on Numerical Methods with C for Scientists & Engineers	4 Weeks	26.3.99 To 24.4.99	JNTU College of Engg., Anantapur
12	ISTE Short Term Training Programme on Internet and Java	4 Weeks	9.8.00 To 8.9.00	JNTU College of Engg., Anantapur

13	AICTE - ISTE Winter School on Reliability Engg. and Applications	2 Weeks	11-23 Dec,2000	JNTU College of Engg., Anantapur
14	Workshop on Best Practices in Energy Conservation	3 Days	18-20 Aug,2005	CPRI Thiruvananthapuram
15	Refresher Course on Analysis of Electrical Circuits	1 Week	29.8.05 To 3.9.05	JNTU College of Engg., Anantapur
16	Workshop on Vector Control of Induction Motor	3 Days	20-22 Oct,2005	JNTU College of Engg, HYD
17	Workshop on Distribution & Automation – Recent Trends	3 Days	28-30 Oct,2005	JNTU College of Engg., Anantapur
18	Seminar on Productivity Enhancement : Concept, Benefits & Applications	1 Day	28 th July 2006	Yokogawa Support Service Solutions, Secunderabad
19	Industrial Pneumatics Symposium	5 Days	11-15 th Dec 2006	SMC Pneumatics Pty Ltd, Sydney (Australia)

Organization of Seminars/ Conferences/ Workshops/ Summer/ Winter Schools/ Community Service programmes, etc.:

- Organized 2 STTPs
 - ✓ “Numerical Methods with C for Scientists & Engineers” during 26th March to 24th April, 1999
 - ✓ “Internet and Java” during 9th Aug to 8th Sep, 2000.
- Organized AICTE Sponsored National Conference on “Recent Advances in Electrical Engineering (EAR – 2004) on 4th December, 2004.
- Organized Community Services Programme on “Electrical Wiring & AC/DC Motor Control “from 22-01-2007 to 05-02-2007.
- Organized a Two day Workshop on “Intelligent Techniques and Their Applications in Engineering” during 14th & 15th Feb’2007.
- Organized a Two week Training Program on “Development of Embedded Systems Laboratory” from 19-02-2007 to 02-03-2007.
- Organized A Two Day National Level Technical Symposium EYE-07 during 16th & 17th March’07.
- Organized Community Services Programme on “Substation Maintenance & its Safety Measures “from 21-01-08 to 04-02-08.
- Organized A Two Day National Level Technical Symposium EYE-2K8 during 27th & 28th Feb’08.
- Organized A Two Day National Level Technical Symposium PIC-2K7 during 28th & 29th Feb’08.

Foreign Countries Visited:

- **Australia** - Attended training program at SMC Pneumatics Pty Ltd, Sydney
- **United Kingdom** – Signed MOU with Ports Mouth University, Portsmouth
- **Malaysia** – Visited Koulalampur during Transit

Any Other:

- Acted as Fact Finding Committee member for granting University affiliation to various self-financing institutions.
- Acted as Fact Finding Committee member for AICTE inspection for increase in intake/ introduction of PG Courses in various self-financing institutions.
- Acted as Subject Expert in various Staff Selection Committees
- Acted as Judge at National level Student Technical Symposiums organized by various institutions.
- Delivered guest lectures at various University and Affiliated Engineering Colleges
- Acted as College co-ordinataor for preparing documents for NAAC and NBA committees inspections (University received A grade by NAAC and Five departments of College got accreditation for 3 years by NBA)
- Acting as Anantapur Help Line Centre Co-ordinator for Admissions of APPGECET-2015-17.

Ananthapuramu

23/10/2020

(Prof. M.VIJAYA KUMAR)