

**Name** : Dr. K. Veeresham  
**Designation** : Associate Professor  
**Department** : EEE  
**Email ID** : veeresham\_k@vnrvjiet.in



**Experience (In Years): Teaching:** 16 Years **Research:** Nil **Others (if any, Specify):** NIL

### 1. Educational/ Technical Qualifications:

S.NO	Level (UG /PG / Ph. D)	Year of Passing	Specialization
1	B.E	1997	Electrical and Electronics Engineering
2	M. Tech.	2003	Power Electronics
3	Ph.D	2016	Electrical Engineering

### 2. Teaching and Learning:

**2.1 Teaching Interests:** Power Systems, Power Electronics, Electrical Machines, Control Systems, Network Analysis, Power Systems Operation and Control, Power Semiconductor Drives, Optimization.

**2.2 Novel Teaching & Learning Techniques adopted:** WIT and WILL

**2.3 Involvement in curriculum updating / Design:** NIL

### 3. Co-curricular and Extra-Curricular Activities

**3.1 Interests and Hobbies:** To conduct various activities to students to make them mentally and physically strong.

**3.2 CCA/ECA Organized:** NIL

**3.3 CCA/ECA participated:** NIL

**3.4 Counseling and Mentoring Activity:** Mentoring students for regularity and to improve academic performance

**3.5 Committees involved in:**

**Department level** : 1. NBA Faculty coordinator,  
2. Lab Story Board Faculty coordinator  
3. Department Time Table In-charge

**Institute Level** : Industry Institute Interaction/ Entrepreneurship Development

### 4. Conference / Workshop / Seminar / Guest Lectures:

**1. Conducted:** NIL

**2. Attended:**

- Participated in Four Day Workshop on "Pspice&Matlab Applications to Electrical & Electronics Engineering" held during 1<sup>st</sup> - 4<sup>th</sup> November 1999, conducted by Jawaharlal Nehru Technological University, Hyderabad.
- Participated in Three Day refresher course on "Computer Methods in PowerSystems" held during 16<sup>th</sup> - 18<sup>th</sup> September 2000, conducted by Sree Nidhi Institute of Science and Technology, Yamnampet, Hyderabad.

- Participated in Three Day refresher course on "Power System Operation & Control" held during 19<sup>th</sup> - 21<sup>st</sup> September 2000, conducted by Sree Nidhi Institute of Science and Technology, Yamnampet, Hyderabad.
- Participated in One Week refresher course on "Network Theory" held during 10<sup>th</sup> - 15<sup>th</sup> June 2002, conducted by GokarajuRangaraju Institute of Engineering and Technology, Bachupally, Hyderabad. Sponsored by IoDevUniv.
- Participated in One Week Short Term Intensive Course on "Electro Magnetic Field Theory" held during 17<sup>th</sup> - 22<sup>nd</sup> June 2002, organized by VNR Vignana Jyothi Institute of Engineering and Technology, Bachupally, Hyderabad. Sponsored by Vignana Jyothi, IoDevUniv AP Chapter.
- Participated in Three Week Refresher Course on "Simulation Tools for Electrical Engineering Applications" held during 10<sup>th</sup> February to 1<sup>st</sup> March 2003 conducted by JawaharlalNehru Technological University, Hyderabad. Sponsored by UGC.
- Participated in One Week Short Term Intensive Course on "Simulation Tools for Electrical Engineering" held during 27<sup>th</sup> April to 1<sup>st</sup> May 2004 conducted by VNR Vignana Jyothi Institute of Engineering and Technology, Bachupally, Hyderabad. Sponsored by Vignana Jyothi, IoDevUniv AP Chapter.
- Attended Five Day "Application of Power Electronics To Power Systems" held during 6<sup>th</sup> - 10<sup>th</sup> December 2004 conducted by Gayatri Vidya Parishad College of Engineering, Visakhapatnam. Sponsored by AICTE-ISTE.
- Participated in Three Day National Work Shop on "Flexible AC Transmission System" held during 16<sup>th</sup> - 18<sup>th</sup> March 2006 conducted by VNR Vignana Jyothi Institute of Engineering and Technology, Bachupally, Hyderabad. Sponsored by Vignana Jyothi.
- Participated in "Two Day National Work Shop on Faculty Development" held during 10<sup>th</sup> - 11<sup>th</sup> February 2007 conducted by St. Stanley College of Engineering and Technology, Muthangi, Hyderabad.
- Execute Memeber in "Waves-2K7 A National Level Cultural Meet" held during 16<sup>th</sup> - 17<sup>th</sup> 2007 organized by St. Stanley College of Engineering and Technology, Muthangi, Hyderabad.
- Completed a Work Shop on "High Impact Teaching Skills" Attested by Dale Carnegie & Associates, Inc. Trainer and Wipro, during 30<sup>th</sup> April and 1<sup>st</sup> March 2012.
- Participated in Work Shop on "Mission 10X" held during 30<sup>th</sup> April to 4<sup>th</sup> May 2012 conducted by Dadi Institute of Engineering and Technology, Anakapally, Visakhapatnam. Sponsored by ISTE-Wipro
- Participated in "Staff Development Program on Emerging Technologies for Power System Operation & Energy Management" held during 17<sup>th</sup> - 23<sup>rd</sup> June 2013. Organized by Malaviya National Institute of Technology, Jaipur.
- Participated in a one week national workshop on "Emerging Trends in Power Electronics and Power Systems", from 16<sup>th</sup> May to 20<sup>th</sup> May 2016 Organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Under TEQIP-II

## **5. Academic Contribution and Research & Consultancy:**

**5.1. Invited Lectures:** NIL

**5.2. Articles / Chapters published in Books:** NIL

**5.3. Books published as single author or as editor:** NIL

**5.4. Projects Guided:**

- a) **UG:** Guided for 30 projects
- b) **PG:** Guided for 9 projects

**5.5. Research Interests:** Reactive power compensation, Power Quality Improvement, Optimization Techniques.

**5.6. Ph.D students:**

a) **Enrolled:** NIL

b) **Submitted:** NIL

c) **Awarded:** NIL

**5.7. Papers published in reviewed Journals:**

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Closed Loop Control of AC to DC Step-down Converter Applied to DC Motor Drive	International Journal of Engineering & Science Research, Vol. 2, Issue-9, pp. 1065-1079, Sept. 2012.	2277-2685	3.005	International
2	A Novel Multi Level AC/DC/AC Single Phase to Three Phase Converter for Induction Motor Application	International Journal of Electrical, Electronics and Telecommunication Engineering, Volume-43, Special Issue-2, pp. 612 - 617, 2012.	2319-2518	2.221	International
3	A Three Phase 11-Level Multi Level Converter for Grid Connected PV Application	International Journal of Engineering & Science Research, Volume-2, Issue-9, pp. 972 - 983, Sept. 2012.	2277-2685	3.005	International
4	Voltage Quality Improvement by Using Dynamic Voltage Restorer in Distribution Lines	International Journal of Electrical, Electronics and Telecommunication Engineering, Volume-43, Issue-3, pp. 24-28, 2012.	2319-2518	2.221	International
5	Forward Boost Converter Applied to DC Motor Drive for Closed Loop Speed Control and AC side Power Factor Correction	International Journal of Electrical, Electronics and Telecommunication Engineering, Vol. 43, Issue-2, pp. 618-623, 2012.	2319-2518	2.221	International
6	Bat Algorithm Based Optimal Transmission Expansion Planning With Generator/Load Models And Frequency Controls	International Journal Of Electrical, Electronics And Data Communication, Volume-3, Issue-11, pp. 44-50, Nov.-2015	2320-2084	3.46	International
7	Optimal Transmission Expansion Planning	International Journal of Industrial Electronics and Electrical Engineering,	2347-6982	3.20	International

	With Generator/Load Models And Frequency Controls Using Differential Evolution Algorithm	Volume-3, Issue-12, pp. 25-31, Dec.-2015			
8	Seeker Optimization Algorithm for Optimal Transmission Expansion Planning with Generator/Load Models and Frequency Controls	TJPRC-International Journal of Power Systems & Microelectronics”, Vol2, Issue 1, June 2016, pp: 87-100.	Applied	-	International

#### 5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Comparison of 3-Phase Cascaded& Multi Level DC Link Inverter with PWM Control Methods	Recent Advances in Power and Control Engineering (RAPCE-2K11)" at Vignan's LARA Institute of Technology & Science, Vadlamudi. A.P.	National	2011

#### 5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	NIL	NIL	NIL	NIL	NIL

#### 5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1	NIL	NIL	NIL	NIL	NIL

#### 6. Awards / Honors received: NIL

#### 7. Motto: Work Hard with Discipline and get success.