



Name: D.S.G KRISHNA

Designation: Assistant Professor

Department: Electrical and Electronics Engineering

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Experience (in years): Teaching:3.5 years **Research:** Nil, **Others (If any, Specify):** 2yrs in ITC PSPD Bhadrachalam

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech in JNTU College of Engineering, Kakinada	2009	Electrical and Electronics Engineering
2	M.tech in IIT Hyderabad	2012	Power Systems and Power Electronics

2. Teaching and Learning:

2.1 Teaching Interests: Power semiconductor drives, Power system operation and control, Modern control theory, Power system Analysis, Electrical Machines, Digital Signal Processing,

2.2 Novel Teaching & Learning Techniques adopted: WIT and WIL, POGIL, Blended learning

2.3 Involvement in curriculum updating / Design: Nil

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: To conduct various activities for students to enhance their knowledge

3.2. CCA/ECA Organized:

Acted as a coordinator for convergence 2015

Acted as a coordinator for Open House 2016

Acted as a coordinator for Certificate courses in EEE dept.

Acted as a coordinator for 25 kWp PV Grid tied system at VNRVJiet

Acted as a coordinator for development ADSP and Drives Lab under FIST in EEE dept

Established ADSP & Drives Laboratory under FIST, DST

3.3. CCA/ECA participated: Involved in Career vision activities for First year B.Tech students

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

3.5. Committees involved in:

Department level: Nil

Institute Level: PG coordinating committee.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

- A Three day workshop conducted on “Matlab “during 26th to 28th May, 2014
- Conducted “solar clan” workshop in association with IIT Bombay during September, 2013 and March, 2015.

- Conducted certificate course on “solar photovoltaic technologies and embedded system applications” workshop in association with IIT Bombay during Jan-Feb, 2014 April, 2015 and December, 2015, 2016
- Acted as coordinator for convergence 2k15,17
- Acted as coordinator for IACC, 2017 held at VNR VJIET

4.2 Attended:

- Participated in three day workshop conducted on “RTDS & PSCAD during 26th to 28th November, 2013
- Participated in three day workshop conducted on “Research Methodologies” 10th to 11th December, 2014

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 2 B.Tech projects on “Intelligent MPPT Controller for a PV Source Using Cascaded Artificial Neural Network Controlled DC Link”, “GPS based User interactive system”

b) **PG:** Guided projects on “An Intelligent MPPT Controller for a PV Source Using Cascaded Artificial Neural Network Controlled DC Link”, “Active reactive & power flow controller for grid tied PV system”, “Modeling of Multi-Phase DC-DC Converter with A Compensator for Better Voltage Regulation in DC Micro-grid Application”

5.5. Research Interests: Microgrid, Power electronic converters, Control strategies for electrical systems, Power systems Dynamic simulation.

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	“Improved Direct torque controller of dual inverter fed double star-star induction motor	International Journal of Innovative Research in Advance Engineering .vol No.1 Issue 11 (november 2014)	ISSN:2349-2163	Impact factor-1.3	International
2	Dynamic dual controller strategy for grid tied power conversion System	International journal of electrical and Electronics engineering research (ijeeer)	Issn(p): 2250-155x		International

3	Dual loop compensator for efficient quadratic boost converter	International journal of electrical and Electronics engineering research (ijeeer)	Issn(p): 2250-155x		International
4	An Intelligent MPPT Controller for a PV Source Using Cascaded Artificial Neural Network Controlled DC Link	C-IEEE International conference on Signal Processing, Communication, Power and Embedded System (SCOPE)-2016	ISBN: 978-1-5090-4619-5		International
5	Modeling of Multi-Phase DC-DC Converter with A Compensator for Better Voltage Regulation in DC Micro-grid Application	C-IEEE International conference on Signal Processing, Communication, Power and Embedded System (SCOPE)-2016	ISBN: 978-1-5090-4619-5		International
6	Cascade Operation of DC-DC Boost Converters in Solar PV system with Individual MPPT Controllers	J-International Journal of Innovative research in Electrical Electronics, Instrumentation and Control Engineering	ISSN 2321-2004	5.359	International

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Development of MPPT DC-Link and Static converter for Micro grid application	UGC	2 years	2,85,000/-	completed

5.10 Consultancy Projects: Nil

6. Awards / Honors received: Nil

7. Motto: Academic Discipline