

Name : **DR. PASULA NARESH**
Designation : Asst. Professor
Department : Electrical and Electronics Engineering
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Experience (in years):
Teaching: 2 years 5 Months
Research: 5 Yrs
Others (if any, specify): Nil

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech	2006	EEE
2	M.Tech	2010	VLSI System design
3	Ph. D (Electrical Engg Sciences)	2016	Power Electronics

2. Teaching and Learning:

- 2.1. Teaching Interests: Electrical Engineering subjects (Power electronics, Circuit theory and Electronics)
2.2 Novel Teaching & Learning Techniques adopted: Video lectures, PPT, lab experiments, industrial visits and course project
2.3 Involvement in curriculum updating / Design: Interested

3. Co-curricular and Extra-Curricular Activities:

- 3.1. Interests and Hobbies: Research and playing TT and chess
3.2. CCA/ECA Organized: Conducted guest lecture
3.3. CCA/ECA participated: Attended two day workshop at HAL, Balanagar, Hyd.
3.4. Counseling and Mentoring Activity: II B.Tech EEE (17071A0291-17071A02A5 and 18075A0219, 220 and 221)
3.5. Committees involved in:
Department level: Design centre, ED cell, Research activities and Open house projects
institute Level: Institution of engineers (INDIA)

4. Conference / Workshop / Seminar / Guest Lectures:

- 4.1 Conducted: NA
4.2 Attended: International: 2 National: 1

5. Academic Contribution and Research & Consultancy:

- 5.1. Invited Lectures: NA
5.2. Articles/Chapters published in Books: NA
5.3. Books published as single author or as editor: NA
5.4. Projects Guided:
a) UG: 3 (Main project)

b) PG: 1 (Mini project)

5.5. Research Interests: Hardware projects implementation

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/ Internationa l
1	Analysis and development of fourth order LCLC resonant based capacitor charging power supply for pulse power applications	Review of scientific instruments, American institute of physics (AIP)	84, 084706 (2013); doi: 10.1063/1.4818948, Aug, 2014	1.6	Internationa l
2	Experimental investigations of argon spark gap recovery times	Review of scientific instruments, American institute of physics (AIP)	85, August 2014, 064703 (2014)pages: (1-19) doi: 10.1063 /1.4883997	1.6	Internationa l
3	Conducted noise analysis and protection of 45 kJ/s, ± 50 kV capacitor charging power supply when interfaced with repetitive Marx based pulse power system	Review of scientific instruments, American institute of physics (AIP)	86, August 2015, 094701 (2015); pages: (1-10) doi: 10.1063/1.4929515	1.6	Internationa l
4	Explosive Emission Properties of Cathode Materials	IEEE Transactions on plasma science	VOL. 42, NO. 11, (3491-3497), VOL. 42, NO. 11, (3491-3497), 0.1109/TPS.2014.2 356615	1.6	Internationa l

5.8. Papers presented at National / International Conferences:

S. No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Novel High Frequency Converter cum Inverter Based Capacitor Charging Power Supply	IEEE International power modulator and high voltage conference	International	2014
2	Comparative Analysis of 2nd and 4th Order Resonant Based Capacitor Charging Power Supplies	IEEE International power modulator and high voltage conference	International	2014
3	Spark Gap Discharge Properties Measured by Optical Emission Spectroscopy	IEEE International power modulator and high voltage conference	International	2014
4	Voltage Recovery Characteristics of Spark Gap using Repetitive PulsePower System	IEEE International power modulator and high voltage conference	International	2014
5	Sub-nanosecond Pulse Generator and Electron Beam Source for nToF Application	IEEE International power modulator and high voltage conference	International	2014
6	Characterization of Flash X-Ray Source and Radiography Results of Newly Developed Kali-30GW Relativistic Electron Beam System	IEEE International power modulator and high voltage conference	International	2014
7	A high power UWB system with sub nano-second rise time using balanced TEM horn antenna	IEEE International power modulator and high voltage conference	International	2014
8	Voltage Feedback Control for Fast - High Voltage Capacitor Charging Power Supply	International conference on electromagnetic interference and compatibility	International	2012
9	Interfacing of novel analog voltage feed-back circuit with resonant converter based DC-DC converter	5 th International conference for convergence in technology 2019, IEEE Bombay section	International	2019

5.9. Sponsored research Projects: 01

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1.	Development of low cost-efficient charging station for electric vehicle charging applications	TIASN, SEED, DST	2019-2022	8,76,908/-	Sanctioned on 19/03/2019

5.10. Consultancy Projects: 02

1. Development of High Voltage DC Power Supply for Ultra sound Wave generator paper sealing application

2. Training program to R&D team Eco Car Development team Hyundai.

6. Awards / Honors received:

- Received GATE fellowship from MHRD during 2008-2010
- Received department of atomic energy graduate fellowship to pursue Regular Ph. D.
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7. Motto: The reason behind teaching is to encourage students and motivate them towards industrial oriented learning to achieve their goals in their chosen field.