



## **SYAM PRASAD POLURU**

Male, Indian, 28 years

Koppedu(post,vil),

Nindra(man), Chittoor (Dist.), Andhra pradesh.

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### **CAREER OBJECTIVE**

I am to be an astute learner and the best performer in your organization, I can tackle with any technical problem as I have the profound knowledge of my field. Keep myself dynamic, visionary and competitive with the changing scenario of the world. So that I can build an innovative career in your esteemed organization by using my skills and other significant talents.

### **WORK EXPERIENCE**

#### **Gate Teaching Experience**

I am interested to take classes for gate entrance exam for EEE subjects (Power electronics, Measurements, Circuits and Networks and Synchronous and DC Machines). I had already taken and completed nearly 147 batches for gate, and 60 batches for ECET.

#### **Gate Teaching Experience : 5Years**

Subjects:

- Measurements : 76 batches
- Power Electronics : 32 batches
- Circuits and Networks : 31 batches
- Synchronous and DC machines : 08 batches

Institutes:

#### **1. Vani Institute**

- Chennai
- Bangalore
- Pune
- Hyderabad

#### **2. ICE Gate Acedamy**

- Pune
- Vijayawad
- Nagpur

#### **3. Gate Forum**

- Nagpur
- Trichy
- Madurai

- Coimbatore
- Chennai
- Salem
- Warangal
- Hyderabad
- Anantapur
- Pune
- Mumbai
- Aurangabad

#### **4. Gate Academy**

- Madurai
- Coimbatore
- Chennai
- Salem
- Bangalore

#### **5. Vishwa Institute**

- Guntur
- Hyderabad
- Warangal

#### **6. Saimedha**

- Hyderabad
- Vijayawada
- Tirupathi
- Anantapur
- Kurnool
- Kadapa

#### **7. Time institute**

#### **8. Gate Acharya - Anantapur**

#### **9. ECET coaching in saimedha**(Hyderabad, Vijayawada, Tirupati)

### **Industrial Experience**

Job Status

Employer

- NFTDC (Non Ferrous Materials Technology Development Centre, Under the aegis of Ministry of Mines, Govt. Of India), Hyderabad.

Job Experience: From July 01st 2014 till date (26 Months)

Job Description: Project Engineer

Projects Done

- Design and Developed of Temperature Controller Interface Unit for Universal Testing Machine.
- Design and Developed of Controller for high speed alternator
- Re-engineering of DC-DC converter with different power ratings

#### Working Projects

- Development of Micro Chip based xEV Induction motor controller
- Design and Development of Controller Hardware(Power Unit, Opto Isolation Unit, Driver Unit, Logic Unit).

#### General Maintenance:

- Worked and Repaired various furnace
- SS reactor
- Muffle furnace
- TTF furnace
- Universal testing Machine
- Okey tubular furnace
- Bogie furnace by premier switch gears
- Billet pre heating furnace
- DD Water Plant By Labsil Instruments
- 5S
- Developed Power Electronics and Instrumentation Laboratory

#### Testing

- Testing of Induction motors manufactured at NFTDC to check its performance.
- Testing of all the procured electrical components.
- Static electrical tests on Excitation coil and Stator winding
- Testing of temperature withstanding capability of High Speed Alternator materials
- Testing the high speed alternator at 54,000 RPM at full loaded(4kW) condition in NAL.

#### General Infra Structure

- Fixed electrical wiring and lighting in various departments in NFTDC.

## EDUCATION

Degree/ Examination	Year of Passing	School/Institute	Board/University	Percentage/ Grade
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<b>M.Tech (Power Electronics)</b>	2014	<b>National Institute of Technology Tiruchirappalli.</b>	National Institute of Technology Tiruchirappalli	8.48
<b>B.Tech (EEE)</b>	2011	<b>Sri Venkateswara University College of Engineering, Tirupati.</b>	S.V University, Tirupati.	71.33
<b>Diploma (ECE)</b>	2007	<b>S V Govt Polytechnic college, Tirupati.</b>	State Board of Technical Education and Training, A.P.	74.58
<b>Class X</b>	2004	<b>Jnana Jyothi Vidya Mnadir, Puttur</b>	Board of Secondary Education, A.P.	77.7

## PROJECT WORK / TRAINING

- **DIGITAL VIDEO DISC PLAYER**

When first invented in 1996, DVD was initialism for the unofficial term. An optical disc that can store a very large amount of digital data, as text, music, or images. The project presents design technique for digital video disc project.

- **POWER FACTOR CORRECTION IN SINGLE PHASE AC-DC CONVERSION**

AC-DC conversion with power factor correction may use several well known power circuits (boost, half-bridge and full-bridge), or some single stage converters, in the case of switch mode power supplies. All of them present the same control problem: an accurate control of the input current and the simultaneous control of the voltage across the energy storage capacitor. The project presents to overcome the above disadvantage by using 3-phase transformer and inductor.

- **DESIGN AND IMPLEMENTATION OF GRID CONNECTED PV SYSTEM**

This project addresses detailed transient model of the grid connected PV with Battery management system. The Photo voltaic system is taken as an input which is connected to the common DC bus by a boost converter, where the battery is connected by a Bi-directional DC-DC converter, and then integrated to the AC utility by an Inverter. The objective here is to extract maximum power available from the PV system by using Incremental conductance method to drive the AC utility, in addition to charge a battery by a Bi-directional DC-DC converter. Maximum Power Point Tracking helps PV array to supply maximum power to the load, and the battery energy can be charged and discharged to balance the power between PV generation and the load.. Extensive simulation results with a few experimental wave forms demonstrate the effectiveness of the new method.

## AREAS OF INTERESTS

- Power Electronics
- Circuits and Networks
- Measurements and Electrical Machines

## SOFTWARE SKILL SET

- Languages : C, C++, Data structures
- Operating System : Windows XP/7/8
- Packages : MATLAB/Simulink, MS Office, Power world, Labview

## PERSONAL DETAILS

- Name : Syam Prasad Poluru
- Gender : Male
- Date of birth : 5<sup>th</sup> Apr 1989
- Marital status : Single
- Nationality : Indian
- Father's Name : Sri. P. Govinda Swamy Reddy
- Linguistic Ability : English, TELUGU, TAMIL
- Present Address : Koppedu(post,vil), Nindra(man), Chittoor (Dist.), Andhra Pradesh

## ACADEMIC ACHIEVEMENTS & CO-CURRICULAR ACTIVITIES

- Visited Thermal power plant, Neyveli
- Visited solar power plant, sivagangai
- Visited RTTP (Rayalaseema thermal power plant), muddanur
- Top rank in EAMCET and ECET in my college
- I got 1341 rank in gate 2012

## EXTRA CURRICULAR ACTIVITIES

- Actively participated in department and college cultural activities
- Played cricket in college team
- Won chess championship held in state wise inter polytechnic college

## DECLARATION

I here by declare that the above written particulars are true to the best of my knowledge and belief.