

**H.PRETHIGA**E-mail: [prethiee@gmail.com](mailto:prethiee@gmail.com)

Mobile: +919047674473

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**CAREER PROFILE**

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An Experienced Energy Engineer looking for an opportunity to join a highly motivated and effective team to support the technical aspects of the company's upcoming growth, advisory services as well as product development.

**Qualification**

COURSE	INSTITUTION	PERCENTAGE	BATCH
B.E (EEE)	GKM college of engineering & technology, Chennai. (Anna University, Chennai)	68%	2011-2015
Higher Secondary (HSC)	Gandhi matriculation hr. sec school, Madukkur.	75.5%	2010-2011
Matriculation (SSLC)	Gandhi matriculation hr. sec school, Madukkur.	79.2%	2008-2009

**Working Experience****VIVEKS CORPORATE – (VIVEKS-THE UNLIMITED SHOP)**

Currently Working in Viveks Corporate as a **PROJECT ENERGY ENGINEER**. (26 Sep 2016- Still Now)

**Roles and Responsibilities**

- Drafted working drawings wiring diagrams wiring connection specifications or cross-sections of cabling as required for instructions to installation crew.
- Responsible for Energy Department Projects and installation. Developed preliminary plan for the energy management system.
- Responsible for Solar Projects.
- Created and executed energy reduction plans and cost savings analysis showing different energy conservation measures (ECMs) based on analytic findings and using software modeling tools, such as EMS.
- Identified and quantified energy conservation opportunities associated with building envelope, lighting, EMS, motors, VDFs and heating and domestic hot water systems which approximately 20% energy savings per building.

- Assisted in budgeting, code compliance drawings, and construction drawings for projects.
- Analyzed cost and payback of energy-related projects and proposed conservation measures.
- Responsible for financial, scheduling, and technical requirements in compliance with company, industry, and regulatory standards.
- Provided support during installation and start-up of projects, ensuring multidiscipline engineering and design efforts were completed in accordance with project scope, schedule, and costs.
- Prepared and presented project status and progress reports ,Good understanding of Electrical issues, Planning of Projects, Maintenance.
- Both practical as well as theoretical knowledge of Different Electrical Instruments.
- Working more efficiently and productively so that maximum output comes.
- Planning & scheduling assignments to achieve pre-set goals within time parameters. Formulating long term/short term strategic plans to enhance operations.
- Supervised electrician work on round-the-clock manufacturing unit.
- Provided all required electrical system technical support.

### **SHREE ABIRAMI ENGINEERING WORKS**

Worked as a **Electrical engineer** in Sri Abirami Engineering works (Power Transformer testing and service company) for One year One month (20 May 2015 to 30 June 2016) Chennai.

#### **Roles and Responsibilities**

- As a Electrical Engineer have to clear the all the technical queries arise by the clients.
- Co-ordinate my fellow people with clients.
- Often I used to test the samples to give the perfect answers to the clients.
- Responsible for the preparation of Purchase order ,Quotation.
- Maintain all the activities of the testing people and report to the higher official and clearing all those issues.

**Course : Certified Automation Engineer (CAE)**  
**PLC,SCADA,OMARAN PLC,KEYENCE,ABB**

#### **Implant Training**

Name of the Institution : Neyveli Lignite corporation Ltd.,  
 Neyveli, Tamilnadu  
 Training in : Thermal Power Station-1 Expn  
 Duration :17.06.2014 to 24.06.2014

#### **Academic project**

**GSM approach to implement On-Line Power Transformer Monitoring using PLC**

This project deals with the **Generator transformer** (shortly called G.T) - for effective cooling protection system arrangement, thereby ensuring safe and reliable transmission. We made an attempt to introduce PLC for cooling and protection of this type of transformers.

### **Technologies: PLC and GSM**

#### **Technical skills**

- PLC, Matlab, SCADA
- Operating system : MS DOS, windows 2000, Vista, Xp, 7, 8
- Other packages : MS - Office

#### **Area of Interest**

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- Industrial Automation
  - Production & switchgear
  - Electrical machines
  - Power systems
  - Power electronics

#### **Co-curricular Activities**

- Presented and won **BEST PAPER AWARD** for the paper presented on “**GSM approach to implement online power transformer monitoring using PLC**” in the **National Conference on Emerging Technologies in Electrical Engineering** organized by Valliammai Engineering College, Chennai.
- **Presented and won second prize** for the paper presented on “**SCADA approach to implement online power transformer monitoring using PLC**” in Amberz’15, National level technical symposium organized by Sree Sastha Institute of Engineering and Technology, Chennai
- **Presented and won second prize** for the paper presented on “**GSM approach to implement online power transformer monitoring using PLC**” in MECHANUM, National Level Technical Symposium organized by mechanical department of Nehru Institute of Technology, Coimbatore.
- Presented a paper on “**Control and fault handling in a modular series connected converter for a transformer less 100 kV low weight offshore wind turbine**” in WARROS, National Level Technical Symposium organized by Electrical and electronics engineering department of Sai Ram Institute of Technology, Chennai.
- Presented a paper on “**A speaking aid using artificial intelligence**” in National Conference organized by GKM college of Engineering and Technology, Chennai.
- Presented a paper on “**Communication Skills**” in Convergence 2012, National Level Symposium organized by Humanities and Science department of Sai Ram Engineering college, Chennai.

#### **Extra curricular activities**

- Coordinator of ADROIT 2K14
- Responsible Class Committee member

- Enthusiastic Cultural Coordinator
- Active member in youth red cross.
- Member of redressal- girls forum

### **Personal Information**

**Languages Known** : English, Tamil.  
**Hobbies** : Playing keyboard, Hearing Songs, reading books.  
**Date of birth** : 29-May-1993  
**Permanent Address** : Vattagudi North, Pattukkottai Tk, Thanjavur.  
**Email id** : prethiee@gmail.com  
**Contact number** : +91 9047674473

I hereby declare that all the information stated above are true, correct and complete to the best of my knowledge.

**Place: Chennai**  
**Date:**

Yours Subservient  
**H.PRETHIGA**