

**H.PRETHIGA**E-mail: prethiee@gmail.com

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CAREER PROFILE

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 : prethieeee@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