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**H.PRETHIGA**

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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**

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| --- | --- | --- | --- |
| **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 us 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**

**Techinical skills**

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

**Area of Interest**

* 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 MECHANIUM, 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.

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**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**  Yours Subservient

**Date: H.PRETHIGA**