

RANJITH. R

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OBJECTIVE

A mechanical professional seeking opportunity to enhance my professional and technical skills in a stable and dynamic workplace.

SUMMARY

- Experience as a Graduate Engineer Trainee – Mechanical in 26 MW co-generation power plant.
- Online monitoring and controlling the process parameter like temperature, pressure, flow rate of water and steam, PH and conductivity of water through ABB DCS.
- Troubleshooting the sudden running problem like grid failure and malfunctioning of equipment's.
- Knowledge in Overhauling work of Furnace, Pumps, Ash handling system (ESP).
- Maintain updated records and log sheets.
- Inventory control for all boiler and turbine spare parts.
- Through ORION software we raise the Material Purchase Requisition (MPR) for maintenance activity.

ACADEMICS

| Course | Institution | University / Board | Year of passing | Percentage |
|-----------------------------|--|--------------------|-----------------|------------|
| B.E. Mechanical Engineering | Dr.Mahalingam College of Engineering and Technology, Pollachi. | Anna University | 2018 | 80.5 |
| HSC | Government Higher Secondary School, Kinathukadavu. | State Board | 2014 | 88 |
| SSLC | Government Higher Secondary School, Kinathukadavu. | State Board | 2012 | 84.6 |

AREA OF INTEREST

- Strength of material
- Thermal engineering

PROJECTS

- **Design of welder qualification fixture**, which is suitable for weld the pipe at different position for qualification. setup time and qualification time gets reduced. Safety aspect is also improved in this fixture.
- **Fabrication and Analysis of Composite Spur Gear**, in which Aluminium metal is used as matrix and Silicon carbide as particulate reinforcement. Magnesium treatment to this alloy increases the ductile property of the gear.

SOFTWARES KNOWN

- Creo Parametric 2.0
- SolidWorks 2013

ACHIEVEMENT

- Won **Proficiency Award** for the academic year 2013-2014.

EXPERIENCE

- **Organization** : Sri Chamundeswari Sugars Ltd, Mandya, Karnataka.
- **Position** : Graduate Engineer Trainee (GET) – Mechanical
- **Duration** : August 2018 to Present.

RESPONSIBILITIES

PLANT OPERATION ACTIVITY

- Plant Operation is done through ABB DCS, all the process parameters like temperature, pressure, flowrate of water and steam, PH and conductivity of water are monitored and control actions are taken through the DCS.
- Verifying the interlocks of boiler, turbine, belt conveyor, fuel feeders, fans, feed water pumps, and oil pumps in DCS with field.
- We have to maintain Temperature & Pressure of the boiler as well as turbine to produce power and steam extraction for sugar & distillery.
- Controlling the two fuels Bagasse and Coal through respective fuel feeding system.
- ORION software is used to raise Material Purchase Requisition (MPR).

PLANT MAINTENANCE ACTIVITY

- Maintenance activities are planned by the Manager and Section in-charges.
- Scheduling of work are done by senior engineers.
- We have the Preventive maintenance on the regular basis as well as Annual maintenance contract (AMC).
- On Preventive maintenance basis we check the Lube oil lines, cooling water lines, water and steam lines, temperature of the bearings, and vibration of running equipment's.
- On Annual maintenance basis we done the maintenance work of boiler feed pumps, cooling water and lube oil pumps, plumber blocks, All fans (FD, ID, SA, CR).
- On contract basis we done annual maintenance of furnace, turbine, electro static precipitator, conveyors, and scale removal of boiler tubes
- Giving support to Service Engineer for Overhauling of turbine, pumps, and ESP.

CERTIFICATION

- Certification in **Lean Six Sigma Green Belt Qualifying Course** from Western Thomson India Limited during the year 2017
- Certification in **Advanced Hydraulics and Pneumatics** with A grade from MCET-BOSCH REXROTH center during the year 2017.

INTERNSHIP

- **Company** : Flowserve India Controls Pvt.Limited, Coimbatore
- **Project** : **Welding fixture project**
- **Software used** : Creo Parametric 2.0
- **Duration** : Jan 2nd, 2018 to Feb 28th, 2018

PERSONAL DETAILS

- **Date of Birth** : 20-02-1997
- **Father name** : Mr.K.Radhakrishnan
- **Mother name** : Mrs.R.Sulochana
- **Gender** : Male
- **Passport number** : P7042386
- **Hobbies** : Numismatics, Travelling.
- **Languages** : English, Tamil, Malayalam, Kannada

DECLARATION

I do hereby declare that all the information given above is true to the best of my knowledge and belief.

DATE :

PLACE :

RANJITH. R