



## NAVEEN P

9/95-3, west bharathi nagar, khansakib street, Ramanathapuram, Tamilnadu-623504.  
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### OBJECTIVE

To Work in a Challenging Environment where I could apply all my major principles and my specialized area of application namely Thermodynamics, Mass Transfer and Heat Transfer by which I can apply my wide knowledge to add value to Organisational Operation with high sense of Responsibility considering Ethical, Social and Economic factors.

### EDUCATION

- **Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering college (ANNA UNIVERSITY)**  
2015-2019  
B.Tech(chemical Engineering)  
8.57 out of 10 Grade Scale
- **A.V.M.S.Matric Higher Secondary School**  
2014-2015  
HSC(12th)  
1094/1200
- **A.V.M.S.Matric Higher Secondary School**  
2012-2013  
SSLC(10th)  
474/500

### EXPERIENCE

**APRIL 2020 - Till Date**                      **Neyveli Thermal Power Station II (Neyveli Lignite Corporation India Limited)**  
Graduate Apprentice Trainee (Demineralised Water Treatment Plant)

#### **Roles and Responsibilities:**

1. Independently operates Demineralised water (DM) Plant in SCADA system to ensure proper water Treatment
2. Perform Regeneration Activities in the Exhausted Resin Beds of Strong Acid cationic, Strong Basic anionic and Mixed Bed Exchangers.
3. Knowledge of Demineralisation Water Process, Basic Scientific Concepts and Water Quality Standards for Thermal Power plants.
4. Knowledge of Safe handling of NaOH and HCL acid used for the Regeneration Process in Demineralised Water plant with adherence to all Material Safety Data Sheet information and Safety procedure.
5. Perform calculation for Chemical Dosage to ensure proper water Treatment to meet water quality Standards.
6. Conduct Laboratory Test such as Free Mineral Acid (FMA) test, Free Co2 test and Hardness test by Volumetric analysis.
7. Check the Purity of Hydrogen gas using ORSAT apparatus.
8. Perform Process parameter analysis includes PH, Temperature, Conductivity, Turbidity, Total Dissolved Solids and Alkalinity of water samples.
9. Handling of Lab Equipment such as Manual and Digital UV Spectrometer for the analysis of Silica and Iron in Water samples.
10. Handling of other Lab Equipment such as Conductivity Meter, PH Meter, Turbidity Meter, Hygrometer and Bomb Calorimeter.
11. Operates Chlorination plant by following the Standard Operating Procedure.

APR 2019 - APR 2020

Graduate Engineering Trainee

Par Active Technologies (Par Pharmaceuticals)

**Roles and Responsibilities :**

1. Handling of High Pressure Reactors (Hydrogenator) and Spray Drier in SCADA System.
2. To Review Batch Manufacturing Record and Standard Operating Procedure for process.
3. Analysis of the process to ensure Efficiency, Safety and Compliance with relevant Regulations.
4. Experience in Equipment Qualification of Nutsche filter and Centrifuge.
5. Responsible to obtain Line Clearance during Product Change over from Quality Assurance Department.
6. Record and Maintain Logs for Equipment, Cartridge filter, Charging line and Routine Plant cleaning.
7. Perform calculation using the Batch Manufacturing Record and Forward the Production Material Request to the Warehouse.
8. Experience in Handling of Vacuum Tray Driers, Reactors (SS) and Glass lined Reactors.

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**PROJECTS**

- **Maximization of LPG from Slippage of Off Gas and Unstabilized Naptha**

To Maximize the LPG yield, the alternate Mechanism was Suggested and Process Parameters were Revamped.

- **Graphical Modelling of Chemical Compounds**

The project is to Mathematically model molecules in order to get insight into the chemical properties of chemical compounds.

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**SKILLS**

- SAP ERP
- Microsoft Office : Excel, Word, Powrpoint
- Analytical and Problem Solving
- Effective Communication
- Creativity and Innovation

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**PUBLICATION**

- **Graphical Modelling of Chemical Compounds**

INDIAN CHEMICAL ENGINEERING CONGRESS

Edition : December 2018

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**PERSONAL INFORMATION**

- Name : Naveen P
- Age : 23
- Gender : Male
- Marital Status : Single
- Nationality : Indian
- Country of Residence : India (Tamilnadu)
- Passport No: S8531833
- Validity : 28/01/2019 - 27/01/2027
- Languages Known : English, Tamil and Hindi( Read)