**Objective**:

To achieved my goals and target set for long term and pursue my career in right direction.

**Experience:**

Current position ( From 27 Feb 2015 to till date)

**Lab Assistant, R&D department, Reliance industries Ltd**.

Ghansoli, Navi Mumbai-400701(As 2nd Payroll).

**Education Qualification:**

M.Sc (Chemistry) Part II appeared in Nov 2018 from Madurai Kamaraj University.

M.Sc (Chemistry) Part I pass with **first class** in Nov 2017 from Madurai Kamaraj University.

B.Sc (Chemistry) pass with **Second class** in Oct 2013 From Mumbai University.

**Instrument Handled:**

HPLC, GC (Basic), UV Photometer, Polarograph, Potentiometric titrator, KF Titrator, Density Meter, Melting point appratus, pH meter etc.

**Reactor Handled:**

High Pressure Autoclave, Hydrodynamic Cavitation Reactor, Annual Cetrifugal Extraction(ACE), Sonicators, Rotavac etc.

**Nature of work experience:**

● Analysis of new products(Raw materials and Finished products)

● Prepare standards,solutions and samples for utilizing instruments.

● Intruduce and developed new analytical methods to characterize,verify and classifed compound;reports and review results;compare relevant specification and quality status.

● Operation knowledge of analytical instrument.

● Looking after standerdisation and maintence of analytical instrument.

● Perform all job responsibility in safe and efficient manner.

● Completed invertory of chemicals for the entire chemistry department.

● Identified resources needed coordinated installation and maintence of laboratory equipment.

● Accturately perform tests, documents, calculations and results in notebook.

● Knowledge of the safety operations guidelines of handling chemicals and laboratory maintenance.

● Setup experiment for instructors to used during lab exercise.

● Reaction monitoring of intermediates.

● Helped students (Industrial Trainee) conduct chemistry experiment.

● Clean all glassware and lab material to completely rid them of foreign contaminants.

● Capable to work independently or as a team.

**Professional Experience:**

● Analysis of petrochemical and petroleum products.

● Used HPLC (Agilent) system with VWD detector.

● Sample analysis on HPLC instrument and method development on HPLC and its calibration and troubleshooting and mobile phase preparation (Feed sample and final products).

● Analysis on GC (Basic), UV Photometer, Polarograph, Potentiometric Titrator, KF Titrator, Density Meter, Melting point apparatus (Feed sample and final products).

● Reaction by using High Pressure Autoclave, Hydrodynamic Cavitation Reactor, Annual Cetrifugal Extraction(ACE), Prob Sonicators etc.

● Involved in Process devlopment and optimization for Synthesis of Linear Alkyl Benzene (LAB).

● Involved in Synthesis of econominal hydrophobic Ionic liquid which are usedfull for softening of the desalter brine effluents of refinery waste.

● Reactions with industrial waste water(ETP) and Refinary waste water with helps of ionic liquid and PAC solutions and Also do the continuous process.Measure Chemical Oxygen Demand (COD) value.( Initial Feed Sample and Final Sample).

●Naphthenic Acid removed from crude oil by using the ionic liquid. Its synthesis and also do the continuous process. Find out the TAN value (Initial feed and final sample).

● Synthesis of CSO pitch under Autoclave conditions and find out the softing point, QI,TI.(Initial sample and final sample).

● Distillation of CBFS (Liquid) and remove naphthalene and residue used for synthesis.

● Participated in team involving R&D experiment, qualitative and quantitative analysis extraction, distillation and titration.

● Working in Pilot scale reaction (Non HF reaction): Reaction temperature maintain, sample removal and analysis (like Bromine Index and Acidity).

● Working in Pilot scale reaction of Waste water (ETP) by using hydrodynamic cavitation reactor and analysis samples (like COD).

**Computer :** MS-CIT pass with 96%.

**Softwere :** Microsoft Word, Excel, Power Point.

**Achievments:**

● Safety Awards (Year 2016-17)

● Fire& Safety training (1 day)-2 times.

**Reference:**

**Dr.A.B Subrahmanyam** **Ranjana kathawate Dr.Rahul Kumbhar**

Senior Manager Manager-Operations Manager

Mob: 8451940760 Mob: 9967530657 Mob: 9860481983

**(R&D Department, Reliance Industries ltd.**

**Ghansoli, Navi Mumbai-400701)**

**Personal Information:**

Date of Birth : 14th Nov 1992

Sex Marital status : Male/Unmarried

Nationality : Indian

Language known : Marathi, English, Hindi.

Permanent Address : At-Post Siddheshwar, Tal-Sudhagad, Dist-Raigad, maharashtra

410205,India

**Declaration:**

I hereby declare that the above mentioned information is correct up to my knowledge &I bear the responsibility for the correctness of the above mentioned particulars.

**Date:**

**Place: Kamothe (Navi Mumbai)** **Kundan Sadhuram Pongade**