

VAIJAYANTHI. K

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Objective:

To become a promising professional in the chemical industry and accordingly pursue my career as a process engineer that would enable to widen my knowledge in engineering field.

Educational Qualifications:

- **M.Tech** in Petroleum Refining and Petrochemicals (secured **91.3%** upto III SEM) at **Anna University, Chennai, April 2015.**
- **B.Tech** in Petrochemical Technology (secured **83.6%**) at **Anna University of Technology, Trichy, May 2012.**
- **H.Sc** (secured **85.66%**) passed in March, 2008 at Government Girls Higher Secondary School, Papanasam.
- **S.S.L.C** (secured **90.45%**) passed in April, 2006 at Government Girls Higher Secondary School, Papanasam.

Academic Project:

PG PROJECT:

- Title: **“SYNTHESIS AND CHARACTERIZATION OF BISMUTH OXYHALIDES FOR PHOTOCATALYTIC DEGRADATION OF AZO DYES”.**
- Duration: “6 Month in Anna University Chennai”.
- **Description:** This Project focused to develop a new novel photocatalyst bismuth oxychloride, Cerium doped bismuth oxychloride was efficiently synthesized by solvothermal method. In order to evaluate their photocatalytic activity, this compound

was tested on the degradation of textile industry effluent Rhodamine B, Bromo phenol Blue & Congored in an efficient way.

UG PROJECT:

- Title: “**MANUFACTURE OF ACETIC ACID AND DESIGN OF DISTILLATION COLUMN**”.
- Duration: “1 Month in **Trichy Distilleries and Chemical Limited**”.
- **Description:** This Project deals with Manufacture of acetic acid by acetaldehyde oxidation Process. Mass and Energy balance calculations had been carried out suitably and design of heat exchanger and distillation column were done by process parameter consideration and analyzing the economic factor also done accordingly.

Soft Skills:

- CFD using ANSYS FLUENT.
- Auto CADD, Microsoft – Word, Excel.

Workshop Attended:

- Presented a Paper “**Energy & Environment**” organized by **Central Electro Chemical Research Institute**, karaikudi on March 2011.
- Organized as a Team member in National seminar and Paper presentation on “Role of Renewable Energy in Energy Conservation (REEC 2010)”
“Recent trends in Renewable Energy and sustainable development (NCRES 2011)” at Anna University of Technology.
- Presented a Paper “**NATIONAL CONFERENCE ON SAFETY ENVIRONMENT AND INDUSTRIAL APPLIED SCIENCE AND TECHNOLOGY (SEIAST-2015)**” organized by **Department of Applied Science and Technology**, Anna University on February 2015.

In plant Training:

- Attended In plant training from 6th to 9th June 2011 at **DHARANI SUGARS & CHEMICALS LIMITED**.

Area of Exposure:

- Distillation column.
- Shell & Tube Heat Exchanger
- Centrifugal pump.

Personal Details:

Name : K.VAIJAYANTHI
Father's Name : G.KARUPPAIYAN
Age : 23 years
Gender : Female.
Languages Known : English, Tamil.
Permanent Address : 8, Vanniyar Street,
Vangaram Pettai,
Papanasam (TK), 614 -205
Thanjavur (DT).

Declaration:

I declare that all the above details are true to the best of my knowledge and belief.

Place: Chennai

Date:

Signature
(K.VAIJAYANTHI)