

RAHUL K RAVINDRAN

A perpetual learner and Chem Engineer

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EDUCATION

M-Tech in Chemical Engineering

Manipal Institute of Technology

2015- 2017

GPA

9.42 & 9.27*

B-Tech in Chemical Engineering

TKM College of Engineering

2009- 2013

CGPA

6.58

CERTIFICATION COURSE

Process Design Engineering

Petro Institute

10th March 2014 to 30th May 2014

Vellayambalam, Trivandrum

INTERNSHIPS & TRAINING

Bharat Heavy Electrical Ltd (BHEL)

4th July 2016 to 30th June 2017

Bangalore, Malleshwaram

EQUATE Petrochemical Company

- EQUATE Basic safety training
- EQUATE Electrical Level-I training

23rd July 2014 to 23rd August 2014

Kuwait

Travancore Titanium Products LTD, TVM (TTP)

2nd April 2012 to 6th April 2012

Trivandrum

MOST PROUD OF

Student Coordinator
IChE Trivandrum chapter

LANGUAGES

Malayalam
Native

English
Proficient

Tamil
Intermediate

Hindi
Intermediate

Arabic
Beginner

SKILLS

AutoCAD
Beginner

SOLIDWORKS
Beginner

Aspen Plus
Intermediate

PROJECTS

Process design and testing of Selective Catalytic Reduction (SCR) catalyst module for power plant NO_x reduction

📅 4th July 2016 to 30th June 2017

📍 BHEL, CTI

- Process design for testing of DeNO_x catalyst in laboratory scale
- Design and fabricate parts associated for testing
- Performance evaluation of catalyst in the testing facility
- Timely reporting of results to Sr.Dy.General Manager
- Give training to lab technicians and apprentice

Electrocoagulation

📅 2013

📍 TKM College of Engineering, Kollam

Various techniques prevail for removal of water hardness with its pros and cons. Electrocoagulation method due to its simplicity has gathered a great attention and used to remove various ions and organic materials. This work aims to investigate the efficiency of this technique in removal of hardness, chloride and sulphate contents

- Comparative study between iron and aluminium electrode in electrocoagulation process w.r.t % of hardness removal, sulphate removal and chloride removal at different pH and different currents were done
- Cell constant for iron and aluminium electrodes were determined
- Design of 10 m³ electro coagulator was done
- Cost analysis was also done

ACHIEVEMENTS

- Won first prize in *Chem cruise event* as part of **Conjura'12**
- Part of the editorial board in publishing the proceedings of the technical paper presentation event **CHEMFEST 2012**. Proceedings were adjudged as the best proceedings of **CONJURA 2012'**
- Bagged 3rd place in paper presentation, conducted jointly by IChE and VSSC
- Participated in deliberations of the National Conference on **"CHEMICAL AND BIOLOGICAL WASTE TREATMENT PROCESSES FOR GREEN ENVIRONMENT"** conducted by IChE and Kerala State Pollution Control Board
- Participated in the **Econ club** orientation programme organized by BPCL Kochi Refinery
- Participated in **Astral'12** a National Level Technical Festival held at **Sree Buddha College of Engineering**
- Was elected as the student coordinator of IChE students chapter during the period 2009-2013
- Has qualified IELTS exam and secured a grade point of **7**

MEMBERSHIP

📍 INDIAN INSTITUTE OF CHEMICAL ENGINEERS TRIVANDRUM REGIONAL CENTRE

📅 2009-2013

PRESENTATIONS

📄 Presented a seminar on the topic **"Detection of chemical and biological warfare agents"**

📄 Presented a seminar on the topic **"Energy crisis, Where we are leading to"** under IChE

REFERENCES

1. Dr. Krishna Bhandaru

Associate Professor
Department of Chemical Engineering
Manipal Institute of Technology
Mob: 7204101602
krishna.bandaru@manipal.edu

2. Dr. Jyothi S.N

Principal, Amrita School of Engineering, Amritapuri
Mob: 9995446841
jyothisn@am.amrita.edu