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# Prasanth P

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## CAREER OBJECTIVE

Seeking an opportunity to work related to Chemical Engineering. Since I'm just starting my career I'm giving more importance to my experience and exposure, hence I'm looking opportunities where I can maximize the usage my skills and knowledge and also tests my capability and capacity to constantly grow.

## WORK EXPERIENCE

### **Graduate Engineering Trainee (Production Operations) INDCARB ACTIVATED CARBON, KANJIKODE (February 2021-Present)**

#### **Pre-Production**

- **Role: Raw-Materials Handling And Storage**

**Overview:** Safe handling of incoming loads of Coconut charcoal (Raw material), Oversee the Sampling process, Stacking of the loads according to the need.

- **Role: Supervising Raw Material Feeding**

**Overview:** Oversee the raw material feeding and make arrangements based on the instructions from the management, Based on the moisture content decide whether load is to be directly fed or feed it to the dryer.

- **Role: Dryer Operations**

**Overview:** Based on the dryer output and input moisture content results adjust the feeding operations to the dryer, Oversee the steam feeding operations to the dryer.

#### **Production**

- **Role: Supervising Rotary Kiln Operations**

**Overview:** Maintaining the constant feed flow rate, Recording the temperature output from various zones in the KILN, Controlling the air and steam flow rate based on the feed moisture content(Automated), Oversee the startup operations of the rotary kiln, Controlling the outflow of the vent gas based on the adsorption capability results(Automated), Adjusting steam flow rate based on the temperature measurements.

- **Role: Basic Boiler Operations**

**Overview:** Fire tube boiler operations(WASTE HEAT BOILER), Maintaining constant flow rate of steam.

#### **Post-Production**

- **Role: Supervising The Post-Production Crushers**

**Overview:** Overseeing the feeding operations of the Base metals obtained from the rotary kiln to the post production crushers, Overseeing the production of JUMBO bags with respect to the instructions from the management.

- **Role: Supervising The Acid Wash Process And Drying**

**Overview:** Supervision of acid washing process as per the instructions of the management, Overseeing the drying operations of the acid washed samples.

## EDUCATION

- ❖ B-Tech Chemical Engineering, **TKM COLLEGE OF ENGINEERING, KOLLAM** 2016-2020  
**CGPA- 7.07**
- ❖ H.S.E Kerala State board 2013-2015  
**Percentage- 98**
- ❖ S.S.L.C Board, Kerala 2013  
**Percentage- 98**

## ACADEMIC PROJECTS AND INTERNSHIP

### PROJECT

- **SMALL SCALE BIODIESEL REACTOR FOR THE UTILIZATION OF WASTE COOKING OIL.**

Due to the worldwide diesel fuel demand and the environmental and health impacts of its direct combustion, biodiesel production and consumption is growing globally as the best short-term substitute for mineral diesel. The use of edible and non-edible oil feedstock in biodiesel production has however led to many controversial problems, including availability and cost of feedstock, greenhouse emissions (GHG), land use changes (LUC) and competition for food. These problems can be addressed effectively with non-crop foodstuffs, such as waste cooking oil (WCO). In this case, waste-based oil / fat is recommended because it ignores the cost of collection and reuse as the best alternative to biodiesel dispensing. Due to concerns about the availability of recoverable and environmentally sustainable fossil-fuel supplies, greater emphasis has been placed on biodiesel production rather than Petro-diesel. According to the findings of this study, among all the feedstocks being used for biodiesel production, waste cooking oil is the most appropriate feedstocks for biodiesel production in terms of feedstock availability and cost, energy balance, GHG footprint, LUC, and more importantly sustainability for short period of time.

- Internship at HOCL(Hindusthan Organic Chemicals Limited),Ernakulam.
- IV at FACT,Ernakulam
- IV at HIL,Ernakulam.

## TRAINING AND MOOC ATTENDED

- Successfully completed an online certification course in Introduction to household water treatment and safe storage.
- Successfully completed a course in UNISIM Steady state simulation from ZenChem-Tech Academy Mumbai, Maharashtra.

## SOFTWARE PROFICIENCY

- UNISIM
- C++
- MS Excel

## AREAS OF INTEREST

- Technical services
- Process Design Engineering
- Operations and Productions
- Project Engineering
- Heat transfer operations
- Fluid mechanics
- Process engineering

## ADDITIONAL INFORMATION

Date of Birth : October 13,1997  
Gender : Male  
Nationality : Indian  
Father's Name : Prathivekumar R  
Languages :English, Malayalam, Tamil, Hindi  
Hobbies : Reading books, Watching Cricket, Football, Travelling.