

INDHRAJITH M

Salem - 636455, Tamil Nadu, India.



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Objective

To learn and gain experience and knowledge that will allow me to grow professionally, while being able to utilize my versatile skill set for the betterment of the organization with the best use of my dedication, determination and resourcefulness

Work Experience

Contact:

Ranjith - 7893400649

Graduate Engineer Trainee

Agri Life & SOM Phytopharma (India) Limited Hyderabad, Telangana, India.
(10/2022 - 10/2023)

- Conducted lab trials for various products including biopesticides, biostimulants, and biofertilizers.
- Managed stock details and daily production reports using Excel.
- Updated equipment specifications and status in Excel.
- Maintained detailed records for over 450 product containers.
- Prepared and managed batch sheets, totaling more than 8, alongside maintaining 35 others.
- Attended online lectures and produced reports based on them.
- Conducted analytical tests such as HPLC analysis, Kjeldahl nitrogen analysis, pH measurements, and specific gravity assessments.
- Successfully reformulated previously failed products.
- Supervised a team of 6 to 10 workers to ensure timely task completion.
- Oversaw production processes, including operating evaporators, distillation columns, cooling towers, and pulverizers. Reported daily work updates to management in meetings.

Project Intern

Seshasayee Paper & Boards Limited Erode, Tamilnadu, India.
(03/2022 - 06/2022)

Contact:

Siva Kumar DGM @ SPB
Ltd
- 8971983293

- Proposed a design for effectively collecting and stripping low-volume high- concentration and high-volume low-concentration non-condensable gases. Closely monitored the amount of NCG released from various sources such as evaporators, digesters, seal tanks, liquor storage tanks, and washer hoods using mass balance. Designed an NCG collection and stripping system using P&ID and estimated the construction cost to be 60 lakh rupees, with a fuel consumption cost of 33,319 Rs. Suggested the idea of producing sulfuric acid from the pulp mill's NCG stream to make the plant self-sufficient in sulfuric acid usage and to minimize sulfur emissions.

Online Summer Internship Programme

Indian Institute of Chemical Engineers Kolkata, West Bengal,
India · Remote (05/2020 - 06/2020)

- Internship program on the subject "Process Safety Management".
- I have learned HAZOP study, checklists, compliance audits, emergency response planning, incident investigation, and OSHA instruction.
- I passed the course with a grade greater than 75%.

Contact:

Niranjan Sr.factory manager
-8489913912

Internship - Core

INDIAN MAGCUPEL, Omalur, Tamilnadu, India (07/2021 - 08/2021)

- Gained knowledge on the purification of expensive metals from impurities using magnesia cupels.
- Worked with cold presses and large tray dryers with more than 200 trays.

Software Skills

Design: Sci-lab, Open modelica, DW-SIM, AutoCAD, Chemsep, Ansys, P&ID & Aspen PLUS, MATLAB.

Others: MS Office, C++, Java(Basic), Java Script(Basic), Python(Basic), IOT(Arduino UNO).

Skills: HPLC, Nitrogen analysis (Kjeldalh), Management, Soft skills & QC

Education Qualification

B.Tech Chemical Engineering, SASTRA DEEMED TO BE UNIVERSITY,
THANJAVUR, TAMIL NADU, INDIA| 68.71% (2022)

12th, Sri Vidya Mandir Sr Secondary school, Salem |81.0% (2018)

10th, Sri Vidya Mandir Sr Secondary school, Salem | 74.1% (2016)

Projects

MINI PROJECT (08/2021 - 02/2022)

- Heavy metal removal from industrial effluent using deep eutectic solvents-
An literature review

FINAL YEAR PROJECT (03/2022 - 06/2022)

- Collection and Stripping of Low volume High concentration and High Volume Low Concentration non-condensable gas at Sheshasayee paper and board, Erode.

Certifications

- Responsive web design - Free Code Camp (09/2024 - Present)
<https://freecodecamp.org/certification/Indhrajith/responsive-web-design>
- Employment Communication A Lab based course (01/2021 - Present)
NPTEL21HS06S12240700
- Developing Soft Skill and Personality (11/2020 - Present)
NPTEL20HS43S82230008
- Career Edge - Knockdown the Lockdown (07/2020 - Present)
TCS iON -119854-8872901-1016

Languages

- English.
- Kannada.
- Tamil.
- Telugu
- Hindi (Beginner)