

Sanjay Sushil Biswas

Mb No. +91-9096246615

A-wing, flat no. 202, Aanandi Park Society

Email: sanju625@gmail.com

Manjri Bk, Pune.

SUMMARY:

A Process Engineer with 1 year of relevant experience in “DISTILLERY & SUGAR”.

Seeking for a position in process division in your organization, where my knowledge of Chemical Engineering can be best utilized and where I can get a good career growth, both intellectually and economically.

PROFESSIONAL EXPERIENCE:

Presently working with Baramati Agro Ltd as Junior Officer – Chemical Engineer (Operations-Distillery & Sugar) since October 2016.

- Within the period of 11 months, achieved impeccable technical professional knowledge.

Distillery Division:

- Created Material & Energy balance sheet for 60 klpd Distillery unit.
- Created a daily production report for 60 klpd ENA plant.
- Calculated “Heat transfer coefficient” for the condensers used in Multi-Pressure Distillation Column.
- Traced and drawn complete P&ID on MS-Excel software for the Distillery unit.
- Designed a close loop air supply system for Distillery plant.
- Researched about “Tray-Hydrodynamics” for distillation column using “Ludwig and Wan Winkle formulas.”

Sugar Division:

- Executed “Basic Process Engineering” calculation for the production of Sucrose like:
 1. Calculated “Steam/ Vapor” bleeding for stage wise juice heating and also velocity of juice inside the tube of a shell and tube heat exchanger.
 2. Calculated “Heat Transfer Coefficient” in a Multiple Effect Evaporator (M.E.E).
 3. Calculated “Evaporation Rate” in a multiple effect evaporator and there by calculated actual “Heating Surface Area” required in each stage of a M.E.E.
 4. Calculated “Actual Line Sizes” for vapor, condensate and syrup in each effect of multiple effect evaporator.
- Created Material and Energy balance sheet for sugar process of capacity 7500 TCD.
- Calculated actual steam consumption required for 7500 TCD.
- Handled production of “500 TPD Raw Sugar Processing” in shift and also calculated steam consumption required for the process
- Created P&ID, PFD and Water layout for the sugar plant.
- Recorded various process parameters and prepared process analysis reports for the same using excel.

EDUCATIONAL QUALIFICATION:

Sr No.	Qualification	University	Institute	Year of Passing	Result
1	B.E Chemical	Savitribai Phule Pune University	Pad. Dr. D. Y. Patil Institute of Engineering, Research and Management	2015-2016	69.40%
2	H. S. C	Pune	S.V.Union Junior College	2011-2012	70.83%
3	S. S. C	Pune	The Aranhas's Rosary School	2009-2010	83.09%

PROJECT EXPERIENCE:

- Project Name: "Reduction of CO₂ from Vehicle Exhaust Using Packed Bed Column."
- Project Specification: IC Engine, Gas Analyzer, Solvents, Packed Bed Column.
- Project Description: This project was executed keeping climate change as a threat to environment. Various study was done in order to reduce carbon emission from the vehicle. In this project, study of various solvents were done in order to reduce CO₂ from vehicle exhaust using packed bed column and analysis of product obtained was done using analytical equipment.

INDUSTRIAL INTERACTION:

1) WYTE WATER TECHNOLOGIES PVT LTD (www.wyewater.com)

2nd June 2014 to 21st June 2014

A brief introduction and basic understanding of various unit operation and processes in waste water treatment plant and effluent treatment plant.

2) WYTE WATER TECHNOLOGIES PVT LTD

1st June 2015 to 15th June 2015

In this session we had gained knowledge regarding water treatment and the parameters included in it, Coolant Recovery, Lab Testing of sample and brief introduction in Piping and Designing.

TECHNICAL AWARENESS:

- Know to use computer software's such as MS Office, MAT Lab, Auto Cad etc.
- Performed product analysis of "Sucrose" using Spectro-photometer, Polari meter etc
- Calculated concentration of "Alcohol" using Anton Paar and Brix hydrometer.

Extra-Curricular Activity:

- Completed training program on unit process with plant visit in “RASHTRIYA CHEMICALS AND FERTILIZERS LTD.”
- Industrial visit to “AJINKYATARA SAHAKARI SAKHAR KARKHANA LTD.”
- Successfully completed training in basic and advanced level in automobile development under the guidance of experts from research and development from “EZENITH EDUCATION LTD”
- Completed training in “ADVANCED INDUSTRIAL AUTOMATION” which includes PLCs, HMI, Scada software and PLC programming.

STRENGTHS:

- Cost effective professional with analytical, problem solving and organizational abilities.
- Impeccable communication, presentation and listening skills.
- Driven by good leadership skill, I can manage a team to be dedicated and goal oriented.

PERSONAL INFORMATION:

1. Date Of Birth : 16th November 1994
2. Gender : Male
3. Language : English, Hindi, Marathi and Bengali
4. Passport Availability : Yes

REFERENCES:

Mr. T. Chandran

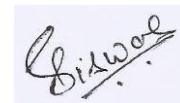
Chairman and Managing Director

WYTEWATER TECHNOLOGIES PVT LTD

Mb No. +91- 9422507965

Place: Pune

Date: 16th July 2017



Sanjay Sushil Biswas