

SANTOSH BANGONDE

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PROFILE

Post Graduate Degree in chemical engineering from IIT Delhi, India and having 10 years of experience in the field of process dynamic simulation, operator training simulator (OTS) development for refinery and petrochemical industries, plant operation in specialty chemical industry.

SKILLS

- Process Dynamic Simulation Software: UniSim Design, DYNsIM, Hysys
- Steady State Process Simulation for generating Heat and Material balance.
- Experience with Honeywell TDC3000 and Experion control systems
- Operator Trainee Simulator (OTS)
- Steady state process simulator experience: UniSim Design, Proll, Hysys
- Leading OTS and De-bottlenecking projects
- Distributed Control Systems (DCS) experience: Honeywell Experion, Emerson Delta V
- Chemical Process plant operation Chemical Process Design and Process Calculation

AWARD AND RECOGNITION

- Received Partner award from Honeywell Singapore office for outstanding performance in ExxonMobil Cepu OTS project. Saved more than 10% Man hours.
- Received Honeywell Bravo Gold award for successfully completing a very challenging LyondellBasell POTBA OTS project.
- Received Honeywell Bravo Silver award for first time modeling Hydrocracker and CCR reactor from GES India office.
- Received Quality award of the month for completing KNPC hydrocracker and CCR unit OTS FAT with zero outstanding punches and high customer rating.

PROFESSIONAL EXPERIENCE

09/2015 to Current

Project Lead (Process Simulation)

Honeywell Process Solution, Pune, India

- Leading Process modeling and Simulation project.
- Role mainly involves leading team size of 3-5 engineers. Developing process model of critical section of process such as reactor, furnace etc.

- Responsible for making project specific standards.
- Developing steady state model for generating Heat and material balance for building dynamic model.
- Ensures that the implementation of application engineers is reviewed with respect to project standards and quality documents.
- Participating in Model acceptance test, Factory acceptance test and Site acceptance test with customer.
- As project lead successfully completed ExxonMobil OTS (Indonesia), LyondellBasell OTS (USA), Kemya LLDPE OTS (Saudi Arabia), KNPC MAB OTS (Kuwait) and Egyptian Refinery Company OTS (Egypt).

09/2013 to 08/2015 Senior Application Engineer (Process Simulation)
Honeywell Process Solution, Pune, India

- Modeled complex process like CCR reactor section, TEG dehydration and amine absorption.
- Sub Model integration and dynamic testing such as startup/shut down etc.
- DCS and ESD integration with process model developed in UniSim Design/UniSim Operation.
- Participation in model testing with client Ensures timely completion of projects on schedule and within the allocated budget.
- Delivered successfully one Operator Trainee Simulator (OTS) project from beginning to end.
- Worked as lead Engineer/ Team member in ExxonMobil Cepu Indonesia, Edward Grieg OTS and Aramco RNGL OTS.

04/2011 to 09/2013 Process Engineer
Hyperion System Engineering, Pune, India

- I undertook different tasks as a member of the project team to various high fidelity dynamic process simulators projects.
- This role involves Process modeling and simulation of refinery and petrochemical process using DYNsIM (dynamic simulator software of Invensys).
- Delivering training to client on dynamic simulator, Instructor Station etc.
- Model integration with DCS, emulation software (Process Studio and Proteus).
- Safety instrumented System (SIS) development and implementation in Programming Logic Editor (PLE) of process studio and in Dynsim Factory acceptance test (FAT) with client.
- Internal Quality Assurance procedures implementation.
- Internal training and knowledge transfer session (presentation) for engineers

- Selected execution experience includes the following OTS projects:
ONGC Petro Addition Ltd Ethylene OTS project, Aramco Uthamaniya Gas Plant OTS, Luke Oil OTS

07/2009 to 04/2011

Sr. Process Engineer

Galaxy Surfactant Ltd, Mumbai, India

- Worked on commissioning of Thin Falling film Sulphonation, Formulation and Spray Dryer unit.
- Stabilized plant after commissioning.
- All the quality parameter brought down under the norm by implementing some ideas.
- I oversaw Sulphonation, Formulation and Spray dryer unit for 1 year.
- Handled all the issue related plant operation and planning.
- Designed heat exchanger, pneumatic conveying system, Pump head calculation etc.
- Initiated Total Productive Maintenance (TPM) program in new plant

07/2006 to 04/2007

Process Engineer

Galaxy Surfactant Ltd, Mumbai, Maharashtra

- Worked as trainee Process Engineer this tenure.
- My responsibilities included management of the operational activities to ensure smooth, safe & efficient operation of Sulphonation Plant and Dryer Plant.

EDUCATION

07/2007 to 05/2009

Master of Technology –Process Engineering & Design

Indian Institute of Technology, Delhi, India

CGPA -8.46

07/2002 to 04/2006

Bachelor of Engineering –Chemical Engineering

Shivaji University, Kolhapur, India

Rank 3rd in batch of 70 students. All India GATE exam rank 148 in 2007 and 300 in 2006

PERSONAL INFORMATION

Date of Birth: 05 June 1985

Marital Status: Married

Gender: Male

Passport No: H3083446