

Curriculum Vitae

Mr. Chetan P Malode

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RESIDENTIAL ADDRESS:

H. No. 538, N/r Water Tank,
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Nashik, Maharashtra- 422401.

CAREER OBJECTIVE

To work with sincerity and dedication in an organization to enhance my knowledge and adjacent skill to get better results in favor of all.

PROFFESIONAL EXPERIENCE

- Serving an Engineering solution providing company **Technoforce Solutions (I) Pvt. Ltd** since **20th September 2014** to till date as a '**Process Design Engineer**'.
- Current CTC- 4.5 LPA.

Company Profile:

- Technoforce is a leading engineering company which manufactures variety of Heat and Mass Transfer equipment. It includes High Vacuum/Short Path distillation units (**SPD**) Wiped/Thin Film Evaporators (**ATFE**) and dryers (**ATFD**), Falling Film evaporators (**FFE**), Rising Film evaporators (**RFE**), Suppressed Boiling evaporators (**SBE**), Liquid-Liquid extraction units (**LLE/ACE**), Plug flow crystallizers (**PFC**) and Gas-liquid stripping units, waste water treatment and zero discharge.

Job Profile:

- Scale up of an evaporation unit based on Pilot scale trials along with its Basic & Detail engineering, process design & integration of various heat and mass transfer equipment.
- Prepare/review heat & mass balance, PFDs, P&IDs, Line list, Plot plan, 2D Layouts, Equipment datasheet.
- Pump hydraulic calculations, Pipe line sizing, Control valve sizing, relief valve sizing, Vacuum system sizing.
- Familiar with softwares like ASPEN ONE Exchanger Design, AUTOCAD, BENTLEY OPENT PLANT PID, UNISIM.
- Prepare/review instruments technical datasheets, heaters/chillers specifications sheet and all types of bought outs specification sheet.
- Technical evaluation & finalization of quotations for all types of bought out materials.
- Prepare/review Control Philosophies, instruction manuals processing equipment.
- Review & finalization of 3D Layout, Pipe routing, equipment GA Drawings for production in coordination with clients.
- Attend meetings with customers as and when required.

EDUCATIONAL QUALIFICATIONS

Year	Course/ Examination	Institution	Grade	Marks (%)
2010-2014	B.E. in Chemical Engg.	K.K.Wagh Institute of Engineering Education & Research. Pune University	Distinction	70.73 %
2009-2010	H. S. C.	Bytco College, Nashik Road. Pune University	Distinction	75.83 %
2007-2008	S. S. C.	Deolali High School, Deolali Camp Nashik.	Distinction	85.83%

ACADEMIC PROJECTS

- ***An Innovative Approach towards Waste Tire Recycling.***

Disclosed is a system for recycling of waste tyres. In this project a new process development was carried (viz. Simple Distillation, Distillation using Catalysts) for potential recovery of energy in the form of oil, along with its equipment design (viz. Reactor Design, Catalyst Bed Design, Condenser). Two new techniques were developed which yielded fruitful results. It was concluded that tyre pyrolysis oil showed remarkable properties similar to diesel fuel and can be seen as a possible alternative fuel in future.

- ***Extraction of Curcumin from Curcuma Longa (Turmeric Roots).***

This project was a research oriented with an objective of process to optimize the yield of Curcumin. The whole process was optimized at each step of its unit operations viz. particle size, solvent selection, extraction time, solvent recovery, crystallization, chromatography for economic feasibility of the process. Later HPLC analysis showed satisfactory results.

SEMINAR

- Radioactive Waste Management.

TRAINING

- Trained for twelve days at ***Nuclear Power Corporation of India Limited (NPCIL), Tarapur Atomic Power Station, MUMBAI.*** Observed and studied the Demineralized Water treatment plant and Chlorination plant.
- Trained for seven days at ***Saikrupa Industries Ltd, Nashik.*** Observed and studied the processes of Milk Chilling Plant.

ACHIEVEMENTS

- Awarded 1st prize for working model titled "**Extraction of Curcumin from Turmeric Roots**" at National level Working Model Contest "**IET-KARMAVEER EXPO 2014**" at K.K.WAGH Institute of Engg in association with IET Mumbai network.
- Awarded 1st prize in working model competition at '**CHEMCOALESCE 2013**' at SVIT, Nashik.
- Awarded 2nd prize for working model titled "**An Innovative Approach towards Waste Tire Recycling.**" in National level Working Model Contest "**IET-KARMAVEER EXPO 12**" at K.K.WAGH Institute of Engg in association with IET Mumbai network.

CO-CURRICULAR ACTIVITIES

- *General Secretary* of Association of Chemical Engineering students (ACES-2012-13) Chemical Department, KKWIEER-Nashik.
- Organized a national level technical symposium '**CHEMFEST-2k13**'.
- **NSS BLOOD DONATION CAMP** –member of NSS wing of K.K.Wagh College of Engineering.

PERSONAL INFORMATION:

- Date of Birth : 18th August 1992
- Nationality : Indian
- Father's Name : Prakash Khandu Malode
- Languages Known : English, Hindi and Marathi

REFERENCES:

- Name : Dr. Venkat S Mane
- Designation : Head of Chemical Engg Dept.
- Organization : K. K. Wagh Institute of Engg. Education & Research Nashik
- Contact Details : 9823996232