

Raj Modi

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WORK EXPERIENCE

WORK EXPERIENCE	
	Executive, Mechanical Engineer Oct, 2020 – Present
Godrej Industries Ltd, Chemicals, Valia, Ankleshwar.	<ul style="list-style-type: none">• Maintaining Plant Reliability & availability by reducing plant downtime hours.• To maintain Overall Equipment Efficiency for the assigned plants.• Spares & Material Management for all equipment.• Preventive Maintenance documentation as per ISO standards.• To implement condition monitoring and do breakdown analysis.• IMS documentation and conducting IMS Audits.• Cost Optimization by reducing manpower & fabrication costings.• Looking over Plant Safety & compliance of EHS related points.

ACHIEVEMENTS

Godrej Industries Ltd, Chemicals, Valia, Ankleshwar.	<ul style="list-style-type: none">• Best Safety Ambassador of the Year for 2023-24.• Certified Integrated Management System Lead Auditor.• Certified Energy Management Systems Internal Auditor.• Achieved ChemStar of the month 08 times.• Best Team (Project: SPDU Revamping) Nominee at GIL Chemical Awards 2023.• Best Safety Team of the year Nominee at GIL Chemical Awards 2022.
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PROJECTS

Godrej Industries Ltd, Chemicals, Valia, Ankleshwar.	<ul style="list-style-type: none">• Batch Fractionation Plant Revamping Project (2021) (Production: 25 MT per day): Revamping project of unutilized and old batch fractionation plant to make it productive. Overhauling of all existing pumps was carried out. Equipment were erected and lines were fabricated as per required P & ID.• Stand by Pump installation Project (2021-22): For all plants and for all single available pumps, stand by pumps with similar specifications were identified from shut-off plants and were installed to increase plant reliability. Total 6 pumps were installed.• Cooling Tower Pump Resizing Project (2022) Saving: 12 Lacs per year: Resizing of cooling tower water pump was carried out as the plant was not used at its full capacity. Hence, a pump with lower specifications was identified and installed as stand-by pump.• Erucic Acid plant Debottlenecking Project (2022) (Production Increase: Erucic- 20 to 35 MT per day. Lubolic- 24 to 42 MT per day): To increase production, existing Erucic Acid plant was expanded by procuring additional Distillation Column and its corresponding equipment with pumps. Structures and equipment were erected and lines were fabricated as per required P & ID.• Reboiler Replacement & Resizing Project (2022-23) (Total: 5 Nos.): New Reboilers with similar specifications were procured to replace with the existing ones whose tubes were plugged and were out of capacity. 1 reboiler was resized to increase production.
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SKILLS

Technical	• IMS Lead Auditor SAP PM Module EnMS Internal Auditor AutoCAD 3D
Social	• Self Starter Team-driven Troubleshooting Creativity Adaptability Result Deliverer

EXTRA-CURRICULAR ACTIVITIES

Languages	• English (Advanced Proficiency), Gujarati (Native Proficiency), Hindi (Advanced Proficiency).
Hobbies	• Travelling, Watching Movies/TV Series, Reading Books, Art & Craft, Infotainment.

INTERNSHIPS	
L & T Hydrocarbon Engineering, Powai, Mumbai	Internship Trainee May, 2019 – Jul, 2019
	<ul style="list-style-type: none"> • Subsea Pipeline Installation Engineering • Worked on Cluster-8 Marginal Fields Project for ONGC. • Acquired information about Piping Standards.
ONGC, Hazira	Winter Trainee Dec, 2018 – Jan, 2019
	<ul style="list-style-type: none"> • Acquired beginners training on Plant maintenance. • Accumulated information regarding condition monitoring & its instruments. • Acquired basic knowledge about cooling towers & its types. • Learned about Co-generation Plant.

EDUCATION			
B.Tech (Mechanical Engg.)	Sardar Vallabhbhai National Institute of Technology, Surat	9.70 CGPA (Silver Medallist)	2020
Class XII (HSC)	Ryan International School (CBSE), Surat	93.6 % (top 1% rank holder)	2016
Class X (SSC)	Ryan International School (CBSE), Surat	9.60 CGPA	2014

ACADEMIC ACHIEVEMENTS	
Competitive Exams	• Qualified GATE, 2020 – Mechanical (Top 6%) among 1,37,826 candidates.