



DHARMESH M. TEMKAR
Senior Engineer Design & Quality Assurance

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Summary

Performance driven professional of hands-on engineering design experience. Talent for designing and producing innovative products that promote maximum efficiency while requiring minimal maintenance. Dynamic and Skilled engineering professional with experience in the development and design of process equipment for Industries and product engineering applications. Looking for an opportunity to work in Design/R&D Department in a renowned Organization.

Core competencies

- Product design and New Product development
- Proactive problem solving
- Root cause analysis
- Process Improvement
- Lean activity (5s, SMED, Easy Cilto, Kaizen event, RPS, Six Sigma)

Design software expertise

- AutoCAD (2D)
- Solid Edge
- Solid works
- E3D (Piping & Structure)
- PV Elite (Pressure Vessel & Heat Exchanger)

Professional Training

- QMS & EMS internal auditor certificate course
- Lean leader certificate course
- **ASME Section VIII Division-1 with PV-Elite**
 - Code Calculation with PV-Elite
 - Shell design under internal pressure and temperature on [PV-Elite](#)
 - Nozzle design under internal pressure and temperature on [PV-Elite](#)
 - Support design refer from [EIL Standard](#) as size of Vessel.
 - Material awareness for Cast Steel & Stainless Steel in general using Plate, Pipe, Standard flanges or Non-standard flanges, Supports, Nut Bolt etc.
 - Nozzle & Support design through EIL standard
 - For Material properties: "**ASME Section-II Part-A & D**" in Table-1 for allowable stresses Table-U for tensile strength and Table Y1 for Yield strength.
 - For pressure vessel design refer "**ASME code**" concern "**UG**"
 - Thickness Of shells under Internal Pressure: welding joint for Longitudinal Joint (Circumference Stress) & Circumference Joint (Longitudinal Stresses) refer ASME Section VIII division 1 ([UG 27](#))
 - Thickness of shells and Tubes Under external pressure: ASME Section VIII division 1 ([UG 28](#))
 - Estimation from design by experience.
 - UG 22 – Loading

Description	Cast Steel	Stainless Steel
Plate	SA 516 Gr 70 / SA 516 Gr 60	SA 240 Gr304 / 304L / 316 / 316L
Pipes	SA 106 Gr B / SA 333 Gr 6	SA 240 Gr304 / 304L / 316 / 316L
Flanges	SA 105	SA 240 Gr304 / 304L / 316 / 316L
Skirt	SA 516 Gr 70 / IS 2062 Gr A/B/C	SA 240 Gr304 / 304L / 316 / 316L
Fabricated Nozzle	SA 516 Gr 70 / SA 516 Gr 60	SA 240 Gr304 / 304L / 316 / 316L
R.F. Pad	SA 516 Gr 70 / SA 516 Gr 60	SA 240 Gr304 / 304L / 316 / 316L
Bolt/Nut	SA 193 Gr B7 / SA 194 Gr2H / SA193 Gr8 / SA 193 Gr B7M	SA193 Gr8 / SA 194 Gr8
Anchor Bolt	SA 36	SA 36 / SA 193 Gr 304 / 304L / 316 / 316L
Non-Standard Flanges	SA 266 Gr2 / Gr4	SA 240 Gr304 / 304L / 316 / 316L

Achievements

- Recognized by “**Best Valuable Contribution Award – 2012**” in Netafim irrigation India pt. Ltd.
- Recognized by “**Best 5S Auditor Award – 2015**” in Netafim irrigation India pt. Ltd.
- Recognized by “**Values Award – Team – 2018**” in Netafim irrigation India pt. Ltd.
- Recognized by “**Top Performer Award – 2019**” in Netafim irrigation India pt. Ltd.
- Recognized by “**Innovator Team – 2023**” for selection projects globally from India Netafim irrigation India pt. Ltd.

Education Qualification

Sr. No.	Name of Examination	Board of University	Year of Passing	Percentage %	Class
1	Mechanical Draughtsman	Industrial Training Institute (ITI) Tarsali Vadodara	July – 2003	72 %	Distinction
2	Diploma in Mechanical	The Maharaja Sayajirao University of Baroda	April- 2013	59 %	Second
3	Bachelor of Engineering – Mechanical (PTD)	The Maharaja Sayajirao University of Baroda	Completed 2 nd year out of 4 th year now I have dropped education		

Professional Experience

- 1. Netafim Irrigation India Pvt. Ltd.** - Manjusar GIDC, Vadodara, Gujarat, India.
 Designation: Senior Engineer Design & Q.A. June/2008 - Present
 - Involved new product development.
 - Reverse engineering (Metal & Plastic parts)
 - Community irrigation project
 - Assist fabrication as required in the resolution of construction difficulties relating to design problem.
 - Inspection activity for barrel & Screw of extruder machine
 - Lean activity – 5S, Kaizen event, SMED, Easy Cilto, RPS, Six sigma
 - Project – developed metal & Plastic manifold.
 - Root cause analysis – Customer complaint
 - New Product sample - check performance process application
 - QMS & EMS internal audit and create report.
 - Deal with Israel project team and local purchase team for design discussion
 - Deal with engineering standard – ASME, ISO, DN, BS for hydraulic application
 - Create design plastic product for Mold manufacture.
 - Using design software AutoCAD, Solid edge, Solid works
- 2. Themis Medicare Ltd.** - Vapi GIDC, Vapi, Gujarat, India
 Designation: Project Officer March/2007 - May/2008
 - Create Process instrument diagram (P&ID)
 - Create process flow diagram (P&FD)
 - Inspection activity for chemical equipment and make report.
 - Create fabrication drawing of chemical equipment (Reactor, heat exchanger, pressure vessel, packed column)
 - Piping isometric (made bill of material)
 - Supervise all contractual activities perform by skilled & Unskilled Technician for Erection & Commissioning work as per project requirement.
 - Used design software AutoCAD.
 - Involved drawing approval from factory inspector.
 - Created building layout with Chemical & Machinery equipment.
 - Made Project bar chart of project activity on xls
- 3. Sabero organics Gujarat Ltd.** - Sarigam GIDC, Bhilad, Valsad, Gujarat, India
 Designation: Draughtsman Mechanical April/2005 - February/2007
 - Preparation of drawing on CAD for P&ID, P&FD Heat Exchanger, Vessel, Column, Two Stage Ejector, Four Stage Ejector, Pressure Reactor, Plant Modification drawing. Plant Layout, Recovery System, Packed Column, MSGL Reactor, Recovery System Drg. Fabrication drawing etc.
 - Weight calculation for Reactor, Storage Tank, & Condenser.
 - Estimate calculation Overall Project Costing

Personal Profile:

Father Name : Mahendra Bhai Vitthal Rao Temkar
Nationality : Indian
Marital status : Married
Languages Know : Marathi, Gujarati, Hindi & English
Passport : Available
D.O.B. : 03/10/1984

Declaration: I declare that the information and facts stated here in are true and correct to the best of my knowledge and belief.

Location : Vadodara

Date :