Curriculum-Vitae

Pradeep Kumar Mishra

Founder and Director
RIME (Research and Innovation in Materials Engineering)

Specialization:

Welding, Quality System, Metallurgy, Heat Treatment, Fabrication, Training, International System Implementation, Inspection and expediting.

Services:

- **Training**
- **Qualification**
- **Skill Development**
- **Certification**
- **Research and Development**
- **Testing and Failure Analysis**
- **Industrial Services**

Contacts:

Mobile No.:+91 9909270912
Email. ID: pradeepmishra919@gmail.com / rimelabindia@gmail.com
Website: www.rimelab.in

Address :

F-72, Tirthdham Apartments,
B/H StyagrahChhavani, Bodakdev
Ahmedabad – 380054, Gujarat, India

EDUCATIONAL QUALIFICATION:

1. **M. Tech. (Metallurgical Engineering) - IIT BHU, Varanasi, 1997**
2. **B. E. (Metallurgical Engineering), NIT Raipur, Chhattisgarh 1992**

PROFESSIONAL QUALIFICATION:CSWIP 3.1 Welding Inspector Course by The Welding Institute, UK. (Certificate Expired in 2012)

PROFESSIONAL MEMBERSHIP: Life Member of ISNT (Indian Society of Non Destructive Testing), Mumbai Chapter

PASSPORT NO. :S 8466046 (Valid up to 21/11/2028)

PROFESSIONAL EXPERIENCE	**24 Years.**
1. Apr. 09, 2019 to July, 21, 2021	**Head –Quality , The Anup Engineering Limited, Ahmadabad** Quality department comprises of QA&QC, NDT, Mechanical Test Lab ♦ As an MR responsible for ensuring Quality System per ISO & QMS. in the Organization ♦ Ensuring compliance of Code and standard requirement as per ASME, EN, PED, PD5500, IBR ♦ Co-ordination with Client, TPIA ♦ Inter-department Co-ordination. ♦ Continual Improvement in System, Process and Training to Personnel ♦ Metallurgical support, Heat treatment & Testing
2. Nov. 01, 2016 to Jan, 2019	**VP & Head of Department (Oct 2017 to Jan, 2019)** **AVP & Head of Department (Nov.2016 to sept.2017)** **Welding Department, thyssenkrup Ind. India, Pimpri, Pune** • Welding control of Material handling Equipment, Boiler Pressure Parts and structure, Kiln Shell, Standard machines. • Responsible for all welding activities in all workshop of tkII and all Vendors locations. • Heat Treatment and Metallurgical activities • Technical Training to all departments
May 09, 2014 to Aug. 31, 2016	**AVP Manufacturing and Plant Head , Hyderabad Works, thyssenkrup Ind. India** ♦ Responsible for all manufacturing activities for Boiler Pressure and Structural Parts. MHE, Sugar, Cement Plant Equipment in plant. ♦ Ensuring implementation of System, Safety and Quality. ♦ Co-ordination with Client, Head office and TPI. ♦ Ensuring smooth functioning of the plant.
3. July 5, 2010 to May 06, 2014	**Head –Quality & Welding , The Anup Engineering Limited, Ahmadabad** Quality department comprises of QA&QC, Welding Technology, NDT, Mechanical Test Lab
Job Profile	♦ As an MR responsible for ensuring Quality System per ISO & QMS. in the Organisation ♦ Ensuring compliance of Code and standard requirement as per ASME, EN, PED, PD5500, IBR ♦ Co-ordination with Client, TPIA ♦ Inter-department Co-ordination. ♦ Continual Improvement in System, Process and Training to Personnel ♦ Responsible for all welding activities in the organization. Welding of Pressure Vessels, Heat Exchanger, Reactors made of various material Carbon Steel, Cr-Mo Steel, Stainless Steel, Titanium. ♦ Metallurgical support, Heat treatment & Testing ♦ Deciding productive processes&New Development
Company profile	The Anup Engineering Limited (ANUP) holder of U, U2, S, R certification , is the heavy engineering company of Lalbhai Group and subsidiary of Arvind mills engaged in fabrication of critical process equipments like pressure vessel, heat exchanger, column /Towers, Centrifuge, dished Ends for their clients operating core sector of Petrochemicals, Fertilizers, Power-Nuclear & Thermal, Space Research, Pharmaceuticals
4. Dec 04, 2009 to July 3, 2010	**Head & Dy. General Manager – Welding Technology & Productivity with Process Equipment Division of ISGEC, Yamuna Nagar, Haryana**
Job Profile	♦ Responsible for all welding activities in division. Welding of Pressure Vessels, Heat Exchanger, Reactors, Gas Cylinder made of various material Carbon Steel, Cr-Mo Steel, Stainless Steel. ♦ Ensuring quality in welding and related activities

	♦ Metallurgical support ♦ Heat treatment & Testing ♦ Deciding productive processes ♦ New Development
Company profile	Manufacturers of Pressure Vessels , Heat Exchangers, Columns & Reactors, Gas Cylinder.
5. June 26, 2000 to Dec.01, 2009	**Senior Manager – Welding , with Process Equipments Division of Godrej & Boyce Mfg. Co. Ltd., Mumbai**
Job Profile	• Responsible for welding activity in fabrication. Welding of Pressure Vessels, Heat Exchanger, Reactors made of various material Carbon Steel, Cr-Mo Steel, Stainless Steel, Titanium. • Preparation & Qualification of Welding Procedures as per the design code like ASME, AD Merkblett & specifications. Coordination with TPI & Surveyors for Welder / Procedure Qualifications. • Selection of Welding Processes (SMAW / SAW / GTAW / FCW / ESSC) and Preparation of Welding Control Plan. • Selection, Estimation and approval of Welding Consumables. • Preparation and Execution of Heat Treatment Procedures. Study of Heat treatment characteristics of specific materials (e.g. Cu Alloys) • Using specialized welding software for Generation of WPS, WPQ & PQR. • Development of new procedures for critical materials & design. • Monitoring Welding activities on Shop floor and defect & repair analysis .
Company Profile	Manufacturers of Pressure Vessels , Heat Exchangers, Columns & Reactors
6. Sept 23, 1997 to June 23, 2000	**Deputy Chief Welding Engineer with Welding Development Section, Walchandnagar Industries Limited, Walchandnagar, Pune.**
Job Profile	♦ Preparation & Qualification of Welding Procedures as per the design code like ASME & specifications. Coordination with TPI & Surveyors for Welder / Procedure Qualifications ♦ Selection of Welding Processes (SMAW / SAW / GTAW / GMAW) and Preparation of Welding Control Plan. ♦ Welding of Pressure Vessels, Heat Exchanger, Reactors made of various material Carbon Steel, Cr-Mo Steel, Stainless Steel, Titanium. ♦ Monitoring Welding activities on Shop floor and defect & repair analysis .
Company Profile	Manufacturers of Pressure Vessels, Heat Exchangers, Columns, Reactors, Steam Generation Equipments, Cement Plant Turnkey, Sugar Plant Turnkey, Gear, Precision Equipments for Government Organisations like BARC, ISRO, DRDO, NPCIL

SPECIAL PROJECT

- Led the team for the certification ofU, U2, S & R, ISO3834 in ANUP.
- Developed an ERP system " Online Welding Information System " with the help of Godrej Infotech for providing all information about WPS / PQR & welder qualification for any project.
- Conducting Training session for Company Engineers for ASME codes, Metallurgy & Heat Treatment
- Actively involved in welding & fabrication of equipments for various reputed client UHDE, Conoco Philips, Shell, Petrobras, Petrofac, Technip, Technimont, Bechtel, Reliance, IOCL, BPCL and others.
- Welding Procedure Qualificationof enhanced quenched & tempered V-modified 2.25Cr-1Mo-0.25 V steel for DHDS reactor.
- 1.25 Cr – 0.5 Mo & 2.25Cr-1Mo steel up to 200 mm thickness for DHDS reactor.
- Duplex & Super Duplex Stainless Steel with requirement of corrosion & impact properties.
- Heat treatment of C18150 (Cu-Zr-Cr) & C15000 (Cu-Zr) alloy for achieving mechanical properties & electrical characteristics.
- Vacuum brazing of C18500 & C15000 Cu- alloy with SS304 tube

- Aluminizing of SS347 bolts by pack diffusion process to achieve diffused layer of 50 microns to 250 microns as per Chevron specification.
- Ti tube to tube sheet joint welding by Orbital welding.
- Internal Auditor for IMS

SPECIAL MATERIAL HANDLED

- Cr-Mo (up to 200 mm thickness) & Cr-Mo-V(225 mm thick qualification) for DHDS reactor
- Duplex & Super Duplex Stainless Steel
- Maraging Steels, Titanium& Co-based alloys
- HSLA
- Above are apart from Carbon Steel (up to 150 mm thickness) , Alloy Steel (200 mm thickness) , All types of Stainless Steel (up to 123 mm thickness)

EXPERIENCE WITH AUTOMATION /SPECIAL PROCESSES

- Orbital Tube to Tube Sheet welding (Polysoude Make)
- Vacuum Brazing
- Nozzle Welder

TECHNICAL PAPERS PRESENTATIONS / PUBLICATIONS

- **"A Mathematical Model for Calculation of Ferro-Alloys addition during Basic Oxygen Steel Making"**

Co-Authors: Prof. Surender Singh & Prof. A.K. Ghose, I.T. BHU, Varanasi
Journal: Mineral & Metals Review, June 1997.

- **"Standard Overlay Practices**"

Forum: International Seminar organized by IIW, in 2001.

- **"Weldability of High thick Cr-Mo Steel"**

Forum: IIW, Mumbai chapter in 2005.