

MOHAMED HASEEM RAZA

[Process Automation] Operations & Maintenance

Six Sigma Green Belt certified professional proficient in running successful method-oriented operations & taking initiatives for business excellence through process improvement

Industry Preference: Automation

Executive Profile

A result-oriented **Oil & Gas (Operations & Process Automation)** professional offering **over 8 years** of a successful career by commended performance in **MES Process Automation (Engineering & Project Management), Refinery Operations (Control Panel), Planning & Scheduling**

- Worked on **DCS (Experion, TPS, Yokogawa Centum VP, CS300), Blending movement applications (Honeywell & Yokogawa)**
- Developed & streamlined systems with proven skills to enhance operational /project effectiveness and meet goals within cost, time & quality parameters
- Skilled in assessing requirements, determining priorities, analyzing courses of action & making adjustments for peak efficiency in operation to reduce downtime
- Expertise in identifying appropriate control schemes / systems, managing enquiry specifications and selecting instruments as per type of application; skilled in managing instrumentation & control engineering / technology including system applications, principles, techniques & procedures to optimize productivity
- Proficient in implementing maintenance schedules for various field instruments, process control units & process plants, conducting periodic checks and handling documentation with a key focus on reduction in delays & equipment uptime
- Possess strong communication, analytical, planning & execution skills with an capability to adapt to constantly changing priorities

Education & Credentials

- **BE (Chemical)** from RV College of Engineering, Bangalore (VTU, Belgaum) in 2011 with 8.5/10
- **12th** from SM.S. PU College, Udupi, Karnataka in 2007 with 81%
- **10th** from Little Rock Indian School, Udupi, Karnataka in 2005 with 85%

Professional Experience

Dec'15 – Apr'19 with Accenture Solutions Pvt. Ltd., Bangalore as Process Engineer (Energy Downstream MES)

Key Result Areas:

- Rendering services as Business Analysts for various applications in Global Projects
- Performing functional role of applications, its configuration and commissioning
- Attending training of Aspen Petroleum Scheduler and Schneider Wonderware MES Applications
- Managing process instrumentation to optimise productivity
- Preparing documentation for Instrumentation & Control System and reviewing 3rd party drawings on commissioning accordingly; reviewing & updating various engineering & vendor documents
- Executing predictive, preventive & breakdown maintenance schedules (daily & turnaround) for various equipment and conducting regular inspection, repair & replacement of spare parts to control operations
- Reviewing schematic / engineering drawings, layouts & technical specifications for testing & commissioning; analyzing contractor's order proposals & submittals
- Directing project activities with liability for strategic utilization of available resources as per schedules; executing cost saving techniques to achieve reduction in terms of mandates, raw materials & energy consumption



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(1 year old transferrable)

Key Impact Areas

Project Management
Process Automation
Maintenance Operations
Instrumentation & Control
Team Management
Testing & Commissioning
Liaison & Coordination
Site Management

Soft Skills

Change Agent	██████████
Collaborator	██████████
Communicator	██████████
Planner	██████████
Thinker	██████████
Innovator	██████████

Career Timeline

Dec'15-
Apr'19

Accenture Services Pvt.
Ltd., Bangalore

Mar'14-
Nov'15

Honeywell Automation
India Ltd., Pune

Sep'11-
Feb'14

Yokogawa India Ltd.,
Bangalore

Projects:**Title:** Rio Tinto Pilbara Utilities**Description:** Analyzed & configured electricity & water matters and their invoices which are generated**Title:** Fuji Electric Thermal and Nuclear Power Plant**Roles:**

- Executed procurement operations including pipe sizes their schedules and materials, fittings, gaskets, bolts and many other fittings based on isometric drawings
- Calculated pressure drop based on line size and flow parameters that gives us pressure limits required for various case scenarios
- Checked quality of isometric drawings and calculation of elevation using references in respect to geographical direction from support isometric drawings
- Used tools like Autodesk Trueviewer 2017 for viewing P&ID's and Navisworks Freedom 2018 for Plant 3D models

Mar'14-Nov'15 with Honeywell Automation India Ltd., Pune as Application Process Engineer (Advance Process Control Solutions)**Key Result Areas:**

- Worked on various Global & Domestic projects starting from Kick-Off to final commissioning (includes all phases of project like Kick-off, Site Survey, FDS, Implementation, FAT & SAT, AS Built Documentation)
- Customized project/customer requirements using Stored Procedure, DCS Logics (TPS & Experion)
- Implemented & configured OPC (OPC Tools: OPC Test, Matrikon OPC)
- Steered BRC/EBC, movement automation, IM/MM, BPC/OBPC, LIMS, LIMS viewer (Design, Implementation, Commissioning & Customization)
- Led & provided path forward for team members to provide training plans in addition to better people management
- Acted as technical interface to customers & ensured that project is delivered effectively
- Prepared functional design specification, as-built document, project closure note for complete BMA suit
- Identified:
 - Improvement opportunities and encouraged team as well
 - Required information/data, contributed and interacted with customer throughout project lifecycle
- Ensured all deliverables meets expectation and quality
- Took customer feedback at different project milestones
- Provided software details, hardware details, integration, conducting FAT, conduct site commissioning & system cut-over
- Encouraged team & ensured usage of standard templates, POG documents, SOP
- Ensured that solution meets project requirements in terms of functionality, standards, quality, and supported documentation and implementation process very effectively

Highlights:

- Steered product Operation & Implementation (Honeywell Products)
 - Refinery Offsite Operations
 - Blend Optimization System
 - BRC/EBC/ERC (Blend Ratio Control /Experion Blend Control System /Experion Ratio Control)
 - BPC/OBPC (Open Blend Property Control)
 - IM (Inventory Management)
 - MA (Movement Automation)
 - SDM (Storage Data Management)

Projects:**Title:** OBPC Project , BPCL - Mumbai**Roles:**

- Executed kick-off & site survey; prepared FDS using site survey data
- Steered commission of OpenBPC on 3rd party DCS like YOKOGAWA

Technical Skills**Tools & Technology:** openBPC, MA, ERC, IM, IP21,BPC, BRC, Matrikon OPC, Autodesk Truviewer, Navisworks Freedom**Database:** Oracle, MS SQL**Operating System:** Windows XP Professional/2003, Server/2008, Server/ Vista/ 7**Software Package:** MS Office (Excel/ Word/ PowerPoint)**DCS:** CS3000/ Centum VP – Yokogawa, TPS/Experion- Honeywell**Personal Details****Date of Birth:** 6th November 1989**Languages Known:** English, Hindi, Kannada and Urdu**Permanent Address:** Haseem Manzil, Uppinakote, Brahmavar Udupi, Karnataka-576213**Passport Details:** H6917079

- Implemented & integrated OBPC custom
- Successfully ran PGTR for 6 MS batches with quality of MS within permissible limits

Title: P66 Borger – Migration Project SDM to IM, BRC to ERC and OpenBPC

Roles:

- Implemented & integrated IM, ERC and OpenBPC

Title: BPCL AMC Project

Roles:

- Checked:
 - Routine checklists at site for all the machines
 - Healthiness and communication at various interfaces
- Verified & tagged custom logics on TPN server side

Title: MPC Garyville Project

Roles:

- Executed configuration, testing & quality checklists completed for ERC, OpenBPC, IM and MM

Sep'11-Feb'14 with Yokogawa India Ltd., Bangalore as Executive Process Engineer (Advance Process Control Solutions)

Key Result Areas:

- Managed engineering & commissioning of Yokogawa Blending Software Packages including Blend Ratio Controller (BRC), Blend Property Controller (BPC) and Tank Inventory Monitoring (TIM)
- Engineered all system required for blending operations with different functional blocks and commissioned control valves with tuning for blending system
- Prepared blend feasibility report and NIR analyzer model building of Motor Spirit (MS) and High Speed Diesel (HSD) Euro-III and Euro-IV specification using blending rule for analyzing properties such as for
 - MS: RON, MON, Sulphur, Density, Viscosity, Benzene, Olefins, Aromatics, and E70, 100,180
 - HSD: Cetane Number, Cetane Index, Density, Sulphur, Viscosity, Flash Point, Pour Point
- Steered PGTR of whole blending system by engineering (BRC) Blend Ratio Control software and (BPC) Blend Property Control for both MS & HSD with support of software DCS (Distributed Control System) by tuning flow & pressure control valves with defined target flow rates and provided proper properties ranges in BPC to get desired specification product
- Engineered (TIM) Tank Inventory Management software that included measuring parameters such as level, density, pressure, volume, and temperature of crude, intermediate and product tanks

Projects:

Title: MS Blending Automation System:

Client: M/s Hindustan Petroleum Corporation Ltd., Vizag (AP)

Roles:

- Spearheaded installation & commissioning of fitOMS packages like Blend Ratio Controller (BRC), Blend Property Controller (BPC) and Tank Inventory Monitoring (TIM) and established MODBUS communication
- Build NIR Analyzer Model of properties of Euro III and Euro IV grade

Title: MS Blending Automation System

Client: M/s Bharat Oman Refineries Limited, Bina (MP)

Roles:

- Build NIR Analyzer Model of properties of Euro III, Euro IV grade MS & Streams Isomerase, Reformate, HDT HN, HCU Heavy Naphtha, DEC5 & HC Light naphtha such as RON, MON, RVP, Benzene, Olefins, Aromatics, Recovery at 70,100,180 deg C & FBP
- Administered operation & maintenance of Yokogawa NIR analyzer and sample handling system

Title: MS and HSD Blending Automation System

Client: M/s Hindustan Petroleum and Mittal Energy Limited, Bathinda-Punjab

Roles:

- Spearheaded installation & commissioning of fitOMS packages like Blend Ratio Controller (BRC), Blend Property Controller (BPC)

Highlights:

- Completed FAT and SAT procedure for HMEL Bhatinda, MRPL Mangalore, HPCL Vizag and BORL Bina