## CURRICULUM VITAE

# ***NEHA TYAGI*** *(Process Engineer)*

*A-584 Sanjay Vihar Avas Vikas Colony,*

*Meerut Road Hapur 245101*

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| **Career Objective** |

Seeking a challenging career in the field of Process Engineering that utilizes my skills to provide professional & Personal growth.

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| **Experience Summary** |

I have a dynamic professional more than 8+ **years**’ experience in Process design & detailing, project co-ordination & Production and Product Development Field..

I have been actively involved in Basic & Detailed Engineering for **Chemicals,** **Specialty** **Chemical, Petrochemical, Textile & Food Industries** project as a Process Engineer

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| **Work Experience** |

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| **S. No.** | **Duration** | **Name of the Company** | **Designation** | **Location** |
| **1** | Jan 219- till date | Honeywell UOP | Control Engineer II | Gurgaon |
| 2 | August 2014 – till date | Nuberg Engineering Ltd. | Sr. Engineer - Process | Noida |
| 3 | August 2011 – July 2014 | Continental Carbon India Ltd. | Executive Engineer – R&D | Ghaziabad |

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| **Job Responsibilities With** **Honeywell UOP** |

* Preparation of Instrument datasheet for control valves, flow elements, analyzers, pressure, temperature and misc. instruments.
* Preparation of Cause &amp; Effect matrix, logic diagrams, alarm summary, basic specifications for control systems etc. and review of SIL ratings, as part of UOP Sch. A.
* Participation in internal design review meetings for finalizing the hydraulics, selection of appropriate instrumentation, developing and optimizing process schemes and safety interlocks.
* Preparation of control narratives as per the developed process scheme.
* Review of basic design inputs from customer for completeness and consistency.
* Review of engineering design data for completeness, accuracy and consistency prior to completion of specification release.
* Preparation of customized and client-specific instrument specifications for various process units, as required for the UOP’s Schedule A, basic design package.
* Participation in customer review meeting to answer customer queries regarding UOP’s design philosophy, control schemes and safety aspects.
* Delivering required outputs to meet established work-plan milestones and quality assurance plan.
* Close coordination with other engineering disciplines, which will include process, project, mechanical, piping, rotating equipment, metallurgy and drafting.
* Close coordination with other global engineering offices and specialists on regular basis.

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| **Project Covered (NUBERG ENGINEERING LIMITED)** |

* Preparing Engineering deliverable for
* 125 TPD hydrogen peroxide plant, INDIAN PEROXIDE , GUJRAT.
* 77 TPD hydrogen peroxide plant, NCIC, EGYPT.
* 60 TPD hydrogen peroxide plant for AL Gaith Industries, UAE.
* 2000 Nm3/hr hydrogen (Natural Gas ) plant for INDIAN PEROXIDE , GUJRAT.
* 1000 Nm3/hr hydrogen (Natural Gas ) plant for AL Gaith Industries, UAE.
* 100 TPD Caustic Soda Flakes Dissolver Plant, Alfa Al-arab Chemicals, Dammam, Saudi Arabia.

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| **Job Responsibilities With** **Nuberg Engineering Limited.** |

**KEY SKILLS/ RESPONSIBILITIES:**

(Basic engineering, Detailed Engineering, Procurement Engineering, Safety Engineering, Manual Preparation, Pre commissioning & Commissioning, Plant Start up & shutdown, Project Management & vendor management)

**BASIC ENGINEERING**

* Block Diagram.
* Preparation of Process design basis.
* Preparation of Process Flow Diagrams (PFDs)
* Piping & Instrumentation Diagram
* Utility consumption
* Chemical consumption.
* Process Data sheet for static and rotating Equipment.
* Process Data sheet & RFQ Documents for packaged item.
* Control philosophy
* Alarm List Preparation.
* Process Instrument data sheet.
* Control valve Sizing & Selection.
* Pressure safety valve (PSV) sizing
* Line list, Valve list
* Valve data sheet. & RFQ Documents Preparation.
* Electrical Load or Drive list
* Effluent schedule
* Preparation of BOM, (Bill of material),
* Line Sizing and network analysis.
* Preparation of Utility Summary.

**DETAILED /PROCUREMENT ENGINEERING**

* Vendor offer review & clarifications for Bought out Item .i.e. Pump, Blower, Agitator, PHE, Ejector etc.
* Vendor offer review & clarifications for Package Item i.e. DM water, cooling tower, Compressor, Boiler, Candle filter, ETP.
* Final vendor data incorporation for technical order specification.
* Technical order preparation.
* After offer Order Vendor Documents Review & Approval.
* Equipment & Piping Layout Review as Approved Documents.
* Technical Query, Clarification & Recommendation for vendor item.

**PROJECT ENGINEERING**

* Engineering deliverable Control i.e. Documents Control.
* Vendor Co-ordination During commissioning
* Inspection of various rotary and static equipments.
* Co-ordination with various department & client regarding engineering deliverable.
* Vendor Follow up and meeting arrangement

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| **Job Responsibilities With** **continental Carbon India Ltd.** |

* Controlling each and every parameter in manufacturing of Specialty Carbon black through Ericsson Delta-V DCS.
* Worked as Product Development Engineer for development of New Products to meet Market Requirement.
* Troubleshooting various problems which come in plant during operations of High Shear Inline Mixer, Vibro

Separators, Filter Press, Rotary Vacuum Drum Filter, Pelletizer, Dryer, Vacuum Pumps, Valves and Pumps.

* Responsible for manpower management.
* Ensure that all the plant operational activities, start-ups and shutdowns are carried out safely as per the SOPs.
* Responsible for following up of Preventive maintenance of equipments.
* Responsible for following Permit to Work system and safety procedures as per CCIL standards.
* Responsible for calculating Yield & conversion cost of products.
* Responsible for Implementing Production plan in SAP planning module & material Handling.
* Responsible for Developing SOP for each new product.
* Responsible for implementing KAIZEN.
* Responsible for the development of New Product as per Market Demand.

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| **Academic & Technical Qualification** |

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| **Degree** | **Board/University** | **Year of Passing** |
| **PGDM (Operation Management)** | Institute of Management & Technology, Ghaziabad | 2014 |
| **B.Tech Chemical Engineer** | Punjab Technical University | 2011 |
| **Senior Secondary** | C.B.S.E. | 2007 |
| **High School** | C.B.S.E. | 2005 |

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| **Projects &Training** |

**PROJECT:**

(a) Organization : Jubilant Organosys, Gajraula

Duration : Six weeks (14th may 2008-5th July 2008)

Project description : Production of Benzene, Aldehyde, Operation of ETP

(b) Organization : Continental Carbon India Limited, Ghaziabad

Duration : Six months (1st August 2010 – 30th December 2010)

Project description : Process modification & development for meeting standards of the product

(c) Organization : Indian Institute of Petroleum, Dehradun

Duration : Major Project (Final Year, 2011)

Project description : Development of Indigenous Sweetening Catalyst

**TRAINING:**

1. Training : PG Diploma in Process Design Engineering

Duration : 3 months (June 2012 to August 2012)

Institute : Smart Brain Institute of Engineering & Research, Ghaziabad

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| **Personal Skills** |

Leadership skills

Team management

Effective time management

Analytical skills and problem solving ability

Adept at written and oral communication, all Medias

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| **Personal Information** |

Father's name : Late Mr. Virendra Tyagi

Mother's Name : Mrs. Kavita Tyagi

D.O.B. : August 13th, 1991

Gender : Female

Nationality : Indian

Marital status : Married

**Acknowledgement**

I here declare that the above-furnished details are correct to the best of my knowledge and belief.

**Place: GUARGAON (NEHA TYAGI)**