

CV

PRABIN BASNYAT

Personal information

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Key capabilities

- Graduate M.Sc. in Process Engineer with good technical knowledge in Process equipments, Process Control, Modeling & Simulation, CFD, Process Safety , Project Management and cost engineering.
- Graduate Bachelor in Mechanical Engineering with good technical knowledge in Advanced Machine design, Advanced Manufacturing Process, FEM, Engineering Management, Computer Aided design(CAD) and others.
- Capable of working in group as well as an individual with experience in successful completion of different group project and individual work.
- Very good Technical skills – MS Office, MS Visio, AutoCAD 2D/3D, Solidworks, ANSYS, HYSYS.

Education

2012 – 2014 **M.Sc. in Process Engineering**, Høgskolen i Telemark
2007 – 2011 **Bachelor in Mechanical Engineering**, Kathmandu University.
2004 – 2006 **High School**, United Academy
Major: Mathematics

Work Experience

Oct. 2012 – Dec 2014 **Engineer**, Metro AS
Sept 2011 – Jul 2012 **Safety Engineer**, Sharma & Company – Full time job.
Responsibilities: Ensure safety during installation of heavy machineries, investigation and documentation of any incident, near miss of accident, conducting toolbox talks, support safe Operability studies and Hazard Identification, promote & monitor implementation of EHS in accordance to EHS plan..
Jul 2011 – Aug 2011 **Mechanical Engineer**, Dairy Development Corporation– Summer Job.
Responsibilities: Monitor and service in maintenance of Milk processing equipments and Utilities.

Jul 2010 – Aug 2010 **Mechanical Engineer**, Nepal Hydro and electric LTD.– Summer Job.
Responsibilities: Prepare CAD drawing, calculation and monitor in Fabrication and Repairing of Hydro-mechanical and electromechanical equipments.

Master's thesis

Jan 2014 – Aug 2014 **Simulating open channel flow for drill mud mass flow measurement**
Task: Develop a model for the rheology of the drilling fluids that can be used in Ansys. Furthermore, investigate the effects of transient mass flow as well as investigate effects of venture shape. It is of interest to explore the possibility of Venture type mass flow sensors both to reduce space requirements and to reduce the cost for necessary advances in Drilling.

Projects

Aug 2013 – Dec 2013 **Hydrodynamics and mass transfer related to small liquid droplets.**
Task: Measure rate of fall and mass transfer into droplets which is recorded using high speed camera. Furthermore, the observations are compared to estimates made from computational fluid dynamics (CFD) using the ANSYS software.

Aug 2013 – Dec 2013 **Temperature control of air heater.**
This is a LABVIEW based academic project done as implementation for the subject process control.

Part of Mechanical Engineering bachelor degree :

1st year Project: Design and Fabrication of Improved Water Mill.

2nd year Project: Research on Fabrication of CNC Lathe Machine.

3rd year Project: Fabrication, Installation and Testing of Scheffler Reflector.

4th year Project: Fabrication and Testing of Updraft Gasifier with Table Top Burner.

Other Skills and Competencies

2011 **Registered Engineer**, Nepal Engineering Council.
2010 **Organizer** of online Networking Game, IT Park, Nepal.
2010 **Organizer** of AMES cup football tournament, Kathmandu University

Languages: Nepali (Mother tongue), English (Excellent)

License: Class B.

Interests

I like reading and travelling with purpose. I also like to play online games.

References

Provided on request.