

MANUDHAR RANJAN VERMA

Email: manu078.linux@gmail.com

Contact no.: +91-7351688750

Correspondence Address

46/1 Teg Bahadur Road

Block 4 Dehradun

Uttarakhand 248001

CAREER OBJECTIVE

Seeking a position to utilize my skills and abilities that offers the professional growth while being resource full, innovative and flexible and where I can enhance my skills and strength in conjunction with the organization goals and objective.

BRIEF OVERVIEW

- M.Tech in "Manufacturing Process" from Quantum School of Technology, Roorkee.
- Sound conceptual knowledge of subjects like CAD/CAM/CAE, Advance manufacturing processes, TQM, Engineering Design etc through various academic and industrial projects.
- Knowledge of CAD/CAM/CAE software like AutoCAD, CATIA, Creo, ANSYS, Unigraphics NX, windows XP/Vista/7, Ms-office, Linux.
- Abilities to handle multiple priorities with a genuine interest in professional and personal development.

QUALIFICATION

- M.Tech in **Manufacturing Process** from Quantum School of Technology, Roorkee in 2017-2019.
- B.Tech in **Mechanical Engineering** from Dehradun Institute of Technology in 2006-2010.
- Master certificate in Computer Aided Tool Engineering from CENTRAL INSTITUTE OF TOOL DESIGN (MSME) Hyderabad.
- Senior Secondary from S.G.R.R.Public School Dehradun in 2004.
- Higher Secondary from Drona's International School Dehradun in 2002.

M.TECH THESIS (2018-2019)

Title- Parametric Performance Analysis of Self Developed Abrasive Water Jet Machining (AWJM) Process at Low Pressure

Description- This work concerned to investigate performance analysis of abrasive water jet machining (AWJM) process at extreme low pressure using self developed AWJM setup at low cost. We used garnet grain 80 mesh as abrasive cutting particles. It aims to study the feasibility of machining process on various materials at low pressure which later can aid in further development of an effective low cost Abrasive water jet machine. Two different materials aluminium alloy and acrylic sheet were taken as work material to analyze the performance of the abrasive water jet machine (AWJM) at extreme low pressure. The study on cutting performance at low pressure for different materials was conducted in terms of material removal rate (MRR). DoE was used to investigate the performance of AWJM process. Taguchi's methodology was applied to obtain the optimal parameter design. Later ANOVA was used to investigate the results to obtain percentage contribution of each process parameters selected for the work on response factors.

We select three process parameters namely stand off distance, water pressure and nozzle orifice diameter and Material removal rate (MRR) has been selected as response factor to analyze the performance of the machine.

OTHER PROJECTS

- Design of channel jig.
- Design and study of home made cooling appliance.

DESIGN SKILLS

MASTER CERTIFICATE IN COMPUTER AIDED TOOL ENGINEERING which includes

- **AutoCAD** : 2D, 3D Modeling
- **Creo** : Modeling, Surfacing, Assembly, Drafting, Sheet-metal, Mechanica and Manufacturing
- **CATIA** : Modeling, Surfacing, Assembly, Drafting and Sheet-metal
- **NX** : Modelling, Surfacing, Sheet-metal, Assembly, Drafting
- **Solid Works** : Modelling, Sheet-metal, Drafting
- **ANSYS** : Structural, Thermal and CFX
- **Tool Design** : Design Practice, Tooling Materials, Press Tools, Plastic moulding tools, Die casting dies, Jigs and Fixtures and Cutting Tools

WORK EXPERIENCE

1: Extrude Engineers, Haridwar 15 June 2016 to 30 Nov 2016

Worked as a Mechanical Design trainer to provide training in AutoCAD and Creo.

2: Knowledge Podium Systems Pvt. Ltd. , Dehradun.

Worked with **KNOWLEDGE PODIUM SYSTEMS Pvt. Ltd.**, IT Park, Dehradun-248001, as a **Development Engineer**, from 6th Nov 2013 to 11 Dec 2014.

My responsibility as a development engineer is to handle a team working on NX-9 and develop an interactive system DAIS (Digital Advanced Interactive System) for SIEMENS.

COMPANY PROFILE: The Company is into manufacturing, product development and design of Interactive Technical Manuals such as Digital Advanced Interactive System (DAIS) for SIEMENS, which is a platform for learning technical and engineering skills using interactive, self-paced and self directed, audio-visual learning solutions. Developing skills for the world is a step taken by the company and comes with well polished and new ideas to train people around the world through videos and POCs.

ROLES & RESPONSIBILITIES:

- Worked as development engineer to develop an interactive system **DAIS** (Digital Advanced Interactive System) for Siemens.

3: CADD ARENA, Dehradun 10 Aug 2012 to 30 July 2013

Worked as a Mechanical Design trainer to provide training in AutoCAD, Pro-E Wildfire 5.0, Catia V5R16 and Solid Works

SUMMER TRAINING:

- Organization : **Hindustan Aeronautical Lmt, Lucknow**
- Designation : Trainee
- Period : 4 weeks

KEY SKILLS

- Ready to take up challenges with high adaptability and will power
- Passionate about continuous learning and acquiring new skills and technologies
- Good communication skills
- Goal oriented and positive attitude, can work effectively in a team

PERSONAL INFORMATION

Father's Name	:	Mr. C.P.Verma
Mother's Name	:	Mrs. Vimla Verma
Date of Birth	:	15 Dec 1986
Marital Status	:	Single
Permanent Address	:	46/1 Teg Bahadur Road Block 4 Dehradun Pin: 248001 Uttarakhand

Declaration:

I hereby, declare that the aforesaid information is true to the best of my knowledge.

Place: Dehradun

(Manudhar Ranjna Verma)