

### Job Objective

**Obtaining the post of a college professor in an organization that will give me the chance to utilize my teaching skills for the progress of an organization.**

### Summary of Skills

- Profound knowledge of this field and ability to assimilate the skills for the better results.
- Ability to provide a training program to the undergraduate students as well as motivating them for achieving the desired effects.
- Ability to collect the material and chunk it for the proper lesson planning. Ability to advise the students on their academic problems.
- Good organizational skills and problem solving attitude.
- Highly skilled in doing research and having an analytical approach.
- Ability to grasp new concepts in less time as well as a capacity to tackle with the student related issues.

### Education Qualification

- **Pursuing P.hD (course work completed) in Machine Design from Bhagwant University, Ajmer (Raj.)**
- **M.E. in Design of Mechanical Systems** from Rajiv Gandhi Prodyogiki Vishvidhyalya (M.P.) in **2012** with **68%**.
- Title of M.E. Thesis "**Design & Development of Load Cell Base Tool Dynamometer to Measure Drill Forces**".
- **B.E. Mechanical Engineering** from Rajiv Gandhi prodyogiki vishvidhyalya (M.P.) in **2005** with **68.47%**.
- **Hr. Sec.Certificate Examination** (M.P. Board), from Saraswati Vidhya Mandir Hr. Sec. School, Rishi Nagar, Ujjain (M.P.). In **2001** with **66.2%**.
- **High School Certificate Examination** (M.P. Board) from Sarswati Vidhya Mandir Hr. Sec. School, Agar-Malwa, Shajapura (M.P) in **1999** with **70.02%**.

### Membership of Professional Body

Member of Society of Automotive Engineers (SAE) as a Faculty Adviser.

### Work Experience

**Working as a Assistant Professor in Swami Vivekanand College of Engineering (SVCE), Indore (M.P.) from 02 June 2015 to till now.**

**Worked as a Assistant Professor in S.D. Bansal College of Technology (SDBCT), Indore (M.P.) from 16 July 2012 to 31 December 2013.**

**Worked as a Lecturer in Lakshmi Narain College of Technology (LNCT), Indore from 25 September 2008 to 18 September 2009 and 03 January 2011 to 14 July 2012.**

#### Responsibilities:-

- Conducting lectures and preparing the material for undergraduate students.
- Providing guidance to the students for developing their career as well as making them familiar with different career opportunities.
- Advising the assistant teachers and new candidates for making them efficient in their work.
- Carrying out the managerial as well as administrative duties i.e. serving as the head of department and representing the University Charing Committee.
- Preparing teaching material and utilizing it for the progress of students.
- Faculty adviser of BAJA-2014, Effi-Cycle-2013 & Ekokart-2014.

**Worked as a Production Executive (Heavy Press Shop) in Mahindra Forging Limited, Pune (M.H.) from 19 April 2007 to 18 August 2008.**

**Worked as a GET (Hammer Shop) in K.H.K. Pressing & Forging Limited, Indore (M.P.) from 6 July 2005 to 25 March 2007.**

#### Responsibilities: -

- Handling production related tasks including planning controlling, troubleshooting and achievement of targets in Adapting process improvement measures to maximize capacity utilization Prevention of the In-House rejection of the Vendor.
- Implementation of foolproof system in production line to prevent the Quality defects and break down of machines.
- Tool & die change time reduction. Exposer of kaizen, kanban.

### Area of Interest

- Theory of Machine, Dynamics of Machine, Machine Design, Mechanical Vibration. Manufacturing Process, Machine Tool Design, Quality Control.

### Paper Presentation

- Rahul Joshi, Prof. Pradeep Patil and Prof. Sanjay T. Purkar "**Design and Development of Load Cell Base Tool Dynamometer to Measure Twisting Moment and Drill Forces of Twist Drill using Visual Basic**" in VSRD International Journal of Mechanical, Automobile & Production Engineering ISSN No. 2249-8303.
- Joshi Rahul, Sharma Aayush, Chouhan Deepak, Devagan Kaushal, Kumat Lalit, Garg Narpan "**Research for compiling a data book for the Designing of Belt Driven Power Transmission System**" in IJSRST International Journal of Mechanical, Automobile & Production Engineering online ISSN No. 2394-4099, print ISSN: 2395-1990, Volume II Issue II, March-April 2016, Scientific Journal Impact factor=3.632.
- Kiran Shete, Rahul Joshi, Dr. Pradeep Kumar Patil "**Study And Analysis Of Wear And Micro Structural Changes On Cast Iron Under Laser Treatment**" in Thomson Reuters IJESRT International Journal of Engineering Sciences & Research Technology ISSN: 2277-9655 (I2OR), Volume 5 Issue V, May 2016, Journal Impact factor=3.785, ICTM Value: 3.00.PP 713-718.
- Rahul Joshi, Dr. Sanjay T Purkar "**Vehicle seat Design Strength Assessment using FEA**" in Thomson Reuters IJRME International Journal of Research in Mechanical Engineering ISSN: 2349-3860, Volume 4 Issue I, March 2017, Journal Impact factor=2.08, Page No. 57-60.
- Rahul Joshi, Jeevan Jathar "**Methodology of Virtual Design Verification of Modular Spike Shaft through Semi-Automatic Differential Locking for Compact SUV.**" in SAE International(Abstract Accepted only)
- Rahul Joshi, Dr. Sanjay T Purkar "**Vehicle seat Design Strength Assessment using FEA (Cornering Event)**" in Thomson Reuters IJRME International Journal of Research in Mechanical Engineering ISSN: 2349-3860, Volume 5 Issue I, March 2018, Journal Impact factor=2.08, Page No. 19-21.
- Kiran Jadhav, Rahul Joshi & Dr Pradip Kumar Patil "**Case Study Of Fuel Tank Design & Field Failure Analysis For Indian Commercial Vehicle**" In International Journal Of Engineering Sciences & Research Technology (IJESRT) In Mechanical Engineering ISSN: 2277-9655, Volume 7 Issue 6, June 2018, Journal Impact Factor = 5.164, Page No. 174-178.
- Mukesh Tarone, Rahul Joshi & Manoj Sharma "**Design Analysis of Single Roller Regenerative Breaking System**" In International Journal Of Emerging Technologies and Innovative. In Mechanical Engineering ISSN: 2349-5162, Volume 5 Issue 9, September 2018, Journal Impact Factor = 5.87, Page No. 333-345.
- Subodh Mungre, Rahul Joshi, Amit Kumat Kundu, Rajesh Rathore, Chanchal Salode "**Design, Development and value analysis of Pneumatic manual flow control Valve**" In Journal of Emerging Technologies and Innovative Research. In Mechanical Engineering ISSN: 2349-5162, Volume 6 Issue 5, May 2019, Journal Impact Factor = 5.87, Page No. 1-11.

### Work Shop & Conference

- Two Day Work Shop on "**Introduction to MATLAB Simulink**" Conducted by Electrical & Electronics Engineering Department at LNCT, Indore on 25<sup>th</sup> & 26<sup>th</sup> November 2010.
- Two Day Work Shop on "**Faculty Leadership Development Programme**" Conducted by SAEINDIA at Priyadarshini College of Engineering, Nagpur on 21<sup>th</sup> & 22<sup>th</sup> June 2013.
- One Day Work Shop on "**E-Foundry: Casting Design & Simulation**" Conducted by E-Foundry Lab. IIT Bombay at Shri G.S. Inst. of Tech. & Science, Indore on 3<sup>rd</sup> August 2013.
- Three Day Work Shop on "**Advance Manufacturing Technologies**" Conducted by Mechanical Engineering Department at Jaypp University of Engineering & Technology (JUET),Guna (M.P.) on 27<sup>th</sup>-29<sup>th</sup> September 2013.
- Representing **Faculty Member** Participated in the **SAEINDIA Northern Section EFFI-CYCLE 2013** hosted at University Institute of Engineering & Technology, Punjab University, Chandigarh from 11-13 October 2013.
- Six day Faculty Development Programme on "**Numerical Methods for Engineers, Researchers & IT Community**" held at PDPM IITDM, Jabalpur (M.P.) during 04-09 July 2016.
- Three Day Work Shop on "**BASIC COURSE ON ANSYS CFD**" Conducted by MINDBOX Evolving Education at Shri G.S. Inst. of Tech. & Science, Indore from 27<sup>th</sup> - 29<sup>th</sup> March 2017.
- One Day National seminar on "**Innovation and IPR**" Conducted by NRDC at SAGE University, Indore on 24<sup>th</sup> March 2018.
- Representing **Faculty Member** Participated in the **SAEINDIA Northern Section EFFI-CYCLE 2018** hosted at Gautam Buddha University, Noida (U.P.) from 24-27 March 2018.

### Honour & Award

- Participate as Judge in the Technical Festival "yuvanah 2k10" held at LNCT, Indore on 16-18 April 2010.
- Best Faculty Member for organizing extra-curricular activities and maintaining Discipline on April 2012.
- Faculty adviser in SAE Effi-Cycle 2013 Organised by Punjab Technical University, Chandigarh.
- Faculty adviser in SAE BAJA-2014.
- Faculty adviser in SAE ECO-CART 2018 Organised by GBU, Greater Noida (U.P.)
- Faculty adviser in SAE ECO-KART-2019 Organised By GBU, Greater Noida (U.P.)
- Faculty adviser in National Electric Kart Competition (N.E.K.C.)-2020 Organised By Credibile Future India pvt. Ltd held at National Institute of Design (NID), Bhopal (M.P.)

## **Personal Information**

Name:- Rahul Joshi

Languages Known:- Hindi, English

Father's Name:- Mr. Jagdish Chandra Joshi

Date of Birth:- 02 April1983

Nationality:- Indian

Category:- General

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Mother's Name:- Mrs. Manjula Joshi

Marital status:- Married

Religion:- Hindu