

## **RESUME**

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B/502, GREEN ACRES –I

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### **Career Objective:**

To take up challenging career by being associated with an esteemed organization, work collectively and strive for the growth of the same

### **Technical Qualification:**

- M.Tech (CAD/CAM), with 67% from VJTI, Matunga Mumbai University in Aug. 2007.
- Bachelor of Engineering in Mechanical discipline with 63% from Amaravati University in Dec 1997.

### **Technical Skills:**

- Engineering subject Taught: (undergraduate level)
  - i. Fluid Mechanics
  - ii. Internal Combustion Engines
  - iii. Hydraulic Machinery
  - iv. Mechanical Utility System
  - v. Energy conversion - II
- Software Packages: AutoCAD R-13,

### **Work Experience**

- More than twenty one years of experience in teaching.
- Worked as a Lecturer in Parshvanath college of Engineering, Kasarvadli Thane (w) from August 1998 to Feb 2008
- Worked as Assistant Prof. in Parshvanath college of Engineering ,Kasarvadli Thane (w) from Feb 2008 to 31/12/2012
- Worked as H.O.D of Mechanical Department in Parshvanath college of Engineering, from July 2011to Dec 2012
- Currently working as Assistant Prof. in K. J. Somaiya college of Engineering, Vidyavihar(E) since Jan 2013 till date.

### **Job Responsibility:**

- Teaching undergraduate student of Engineering.
- Developed laboratories of Hydraulics, CAD/CAM, and HMT.

## **Project Summary**

### **1. Project Title** Analysis of Robot gripper by Ansys work bench

Hand and finger force data are used in many settings, including industrial design and indicating progress during rehabilitation. The application of appropriate work design principles, during the design of tools and workstations that involve the use of the hand and fingers, may minimize upper extremity injuries within the workplace. Determination and integration of force capabilities and requirements is an essential component of this process. The present study compiled and examined maximal forces exerted by the fingers in a variety of couplings to both enhance and supplement available data. This data is used to determine whether finger strength could be predicted from other strength measures and anthropometry

### **Training Details:**

- One day national workshop on “**Technical writing and Presentation Skills**” conducted by P. C. O. E. Thane.

### **STTP/Courses Attended:**

1. One week Short Term Programme ISTE Approved on “**Emerging Trends in Mechanical Engineering**” at Sarswati college of engineering , Khar Ghar , Navi Mumbai.
2. One week QIP Short Term Course on “**Sustainable Engineering Theory and Practices For Engineers** ” at IIT Bombay.
3. One week STTP on “**Advances in Fluid mechanics** ” at K.J. Somaiya College of Engineering Vidyavihar Mumbai.
4. One week QIP Short Term Course on “**Laboratory and Ergonomic Safety** ” at IIT Bombay..
5. One week QIP Short Term Course on “**First Course in Computational Fluid Dynamics: Development, Application and Analysis**” at IIT Bombay.
6. Two days workshop on “**Internal Combustion Engine and Vehicle Dynamics** ” at K.J. Somaiya College of Engineering Vidyavihar Mumbai.

### **Research Project:**

1. Mumbai University Minor Research Proposal approved for Academic year 2018-19 “**Performance analysis of vapour absorption refrigeration system using engine exhaust as a hot fluid for regenerator.** ”

### **Publication :**

1. Impact of Alternative Fuels on Socio Economic Concern: Experiments, Experiences and Inferences- Journal of Engineering Education Transformations, Volume 33, January 2020, Special issue, eISSN 2394-1707.
2. Impact of experimental learning on performance of students and attainment of course and program outcome - Journal of Engineering Education Transformations, Volume 33, January 2020, Special issue, eISSN 2394-1707.

**Personal detail:**

- **Date of birth** : 17<sup>th</sup> August 1974
- **Nationality** : Indian
- **Marital status** : Married
- **Designation** : Assistant professor in Mechanical Engineering Department

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

**ATUL SARAF**