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# SHRINATH KULKARNI

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## OBJECTIVE

To associate and grow in an organization that provides opportunity to utilize my skills and knowledge in achieving its targets and thus gaining high level of hands-on experience.

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## Work Experience

**Organization:** Marathwada Institute of Technology, Aurangabad, Maharashtra.

**Designation:** Assistant professor

**Period:** 30<sup>th</sup> January 2016 to till date

**Subjects taught:** Metrology and Quality Control, Automobile Engineering.

## Educational Details

Qualification	Institute	University	%
Master of Technology (Computer Integrated Manufacturing)	Sir M Visvesvaraya Institute of Technology, Bengaluru	Visvesvaraya technological university, Belgaum	68.81
Bachelor of Engineering (Automobile Engineering)	PDA College of Engineering Gulbarga	Visvesvaraya technological university, Belgaum	69.80
Secondary School Leaving Certificate	Nutan Vidyalaya Comp Junior College Gulbarga	Karnataka secondary education examination board	74.72

## B E Project

**TOPIC:** Design and Development of Car Occupants Safety Using Sensors

**In Brief:** In this project a system of wheel locking using servo motors with an additional seat belt locking mechanism was developed. Due to this system wearing of seat belt under any circumstances will be compulsory. When seat belt is inserted, vehicle is started, hand break is released then the additional lock system will lock the seat belt and the wheel lock will be released then vehicle will move. When the vehicle is in moving state one cannot remove the seatbelt.

## M.Tech Project

### TOPIC: Auto KOMATSU Press Tool

In Brief: The project was done in Lucid Engineering and was commissioned at Bill Forge, Bengaluru. This project was carried out on KOMATSU 400TON press tool in view of increasing its production rate and to increase operator's safety using the concept of automation. When project was completed production, rate increased from six parts per minute to ten parts per minute and the operator's safety increased significantly.

## Other project work

**Organization:** Indian Institute of Science (IISc)

**Department:** Surface Interaction and Manufacturing Lab, Mechanical Engineering

**Project Title:** Study of Effect of Load on Coefficient of Friction in EN31 and SAE5120 Steels for successful implementation as automobile CVT component.

**Project Period:** From 4th August 2015 to 29<sup>th</sup> January 2016.

## Academic Activities

- Successfully completed an AICTE approved for week faculty development program on use of ICT in education for online and blended learning, conducted by Indian Institute of Technology Bombay, from 2<sup>nd</sup> May 2016 to 10<sup>th</sup> July 2016.
- Represented MIT, Aurangabad at 2 Pavilion (Industry - Institution Pavilion), IMTEX 2017 organized by Indian Machine Tool Manufacturers Association (IMTMA), Bengaluru.
- Participated in one day faculty development program on simulation modelling techniques in industrial automation hydraulics, pneumatics and digital CNC held on 11<sup>th</sup> February 2017 organized by Dept. of mechanical engineering MIT Aurangabad in association with Indiasoft Technologies Pvt. Ltd. Pune.
- Presented paper titled "Productivity improvement of KOMATSU forging press through Automation" in the Second International Conference on Recent Trends in Engineering and Technology conducted by International Junction for Business Review and Modern Manufacturing-2015 held in Cochin.
- Presented paper titled "Reduction of lube oil consumption and blow by in a diesel engine by study and development of piston ring parameters" in 2<sup>nd</sup> international conference on Engineering and physical sciences-2015 held in Pondicherry.
- Participated in pre-conference workshop in 1<sup>st</sup> National Conference on Micro & Nano Fabrication conducted by Central Manufacturing Technology Institute, Bangalore.

## Personal Profile

Date of birth : 01 November 1990  
Languages known : English, Hindi, Kannada, Telugu  
Father Name : V K Kulkarni  
Mother Name : Rajani Naik  
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