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To work in **product design** and development, **machine design** and control, research and development

WORK EXPERIENCE

ASSISTANT MANAGER, MAHINDRA SUSTEN (JUNE 2016 – PRESENT)

Operative in a team of engineers and technicians in developing products and solutions in the solar industry

- Led a team of 3 interns in preparing 3D models, machine drawings, assembly sequences, and conducted vendor interactions and inspections for development of **solar module cleaning robot**
- **Modeled vibration response** of single axis tracker structure for forced excitation due to wind for sizing and selection of oil dampers along with IIT Bombay, to reduce structural vibration
- Developed experimental procedures for troubleshooting problems with single axis tracker structure and conducted experiments using strain gauges on site for **proposing rectification**

RESEARCH ASSISTANT, DRAWING HALL IIT BOMBAY (JUNE 2013 – 2015)

In charge of **administrative** and minor **academic responsibilities** of the IIT Bombay Drawing Hall which is used in a mandatory course for upwards of 1000 undergraduate students annually

- Co-ordinated scheduling and **distributed work responsibilities** for a team of 40 TAs every semester for weekly grading and supervision along with lab maintenance
- Helped in introducing, for probably the **first time in India**, an advanced curriculum of 2D CAD, 3D CAD and introduction to 3D printing along with traditional paper based drawing
- Handled lab expenses and oversaw **massive upgradation in lab infrastructure** including setting up of ~120 computers, 6 3D printers and their periodic maintenance

EDUCATION

MASTER OF TECHNOLOGY, DESIGN ENGINEERING IIT BOMBAY

Graduated with a cumulative **CPI of 9.5**, course work in machine design, dynamics, control, robotics and a thesis in control of cabled robotic surgical simulator for haptic feedback (developed interest in controls) Involved in extracurricular activities in the campus along with assistance-ship and extra lab work

BACHELOR OF ENGINEERING, MECHANICAL ENGINEERING UNIVERSITY OF PUNE

Graduated with distinction (**70% marks**) and a final year project in designing of machining fixtures for machining cycle time reduction with single minute exchange of dies

SKILLS

- SolidWorks, AutoCAD (proficient), Ansys (basic)
- Manufacturing and DFM, DFA, poka-yoke
- MATLAB / Python (code for work and fun)
- Experimentation and analysis

Have an enthusiastic persona, assimilate in teams easily and flexibly, a quizzer since school, an avid reader, take initiative, quick witted and a confident public speaker