

# CURRICULUM VITAE



## Mr. Ambadas Auti

Male, Indian, Born on September 5<sup>th</sup> 1995.

*Profile:* Received his BE degree in Mechanical Engineering from The Institution engineers India. Further studied in Mechanical Engineering pursuing ME degree from Mumbai University. (Project of ME undergoing.)

*Research interests and expertise:* Additive manufacturing, machine design, CAM, Robotics, strength of material, tool engineering, Simulation and modeling, Mechatronics, Algorithm Design using Matlab

*Has more than 2 years of teaching/research experience and 2 year Industry experience*

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**SUBJECT & FIELD OF SPECIALIZATION** : Mechanical Engineering; CAD, CAM and ROBOTICS

Currently working

: Design Engineer (crane, goods lift design)  
HERC MATERIAL HANDLING Mumbai

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Vasnatvihar, Pwarnagar, Thane(W) 400610

## EDUCATION:

Qualification	Branch/Stream	University/Board	Year	Marks cgpa/percentage
ME	Mechanical Engineering Specialization in CAD CAM and ROBOTICS	Mumbai University ( Fr. Conceicao Rodrigues College of Engineering .Bandra West)	2019	8.4 <sup>1</sup>
BE*	Mechanical Engineering	The Institution engineers india	2016	8.2
DME♣	Mechanical Engineering	The Government polytechnic Ahmednagar	2014	83.28
SSC	-	Maharashtra state board secondary and higher secondary education Pune	2011	90

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\*\*\* Thesis entitled: "Design & Optimization of Dynamics Parameters and the Effect of Sway Angles in Hydraulic Crane Hook and Investigation of Stresses in Crane Hook by Finite Element Analyses".

♣ Project carried on: "Staircase clammers six wheels manually operated hand truck"

## PROFESSIONAL EXPERIENCE:

### (i) Industry:

- ✚ Worked as **Operation engineer** in Riverstone Energy LLP Mumbai for a period of Dec 2018 to March 2019

#### Responsibility:

- Identifies operational problems by observing and studying system functioning and performance results; investigating complaints and suggestions; interviewing process supervisors and operators; completing troubleshooting procedures
- Identifies operational priorities by assessing operational objectives; determining project objectives, such as, efficiency, cost savings, energy conservation, operator convenience, safety, environmental quality; estimating relevance, time, and costs
- Provides operational management information by collecting, analyzing, and summarizing operating and engineering data and trends.
- Develops operational solutions by defining, studying, estimating, and screening alternative solutions; calculating economics; determining impact on total system.

- ✚ Worked as **Service engineer** in Future Generali Insurance company Mumbai for a period of jun 2014 to jun 2015

#### Responsibility:

- Offering advice about making claims
- Tracking claims through to completion or settlement
- Verifying details with witnesses and insurance policyholders
- Visiting accident/loss scenes such as residential properties and workplaces make technical assessment report.
- Liaising with a range of professionals including the police, medical staff, solicitors and loss adjusters negotiating settlements with claimants or lawyers
- Carrying out background research and gathering information
- Writing reports and completing paperwork
- Organizing payments

### (ii) Teaching:

- ✚ Worked as **Lecturer** in the Department of Mechanical Engineering at Government polytechnic Mumbai for a period of 6 month from jun 2018 to December 2018.

**Course Taught:** Tool engineering, Machine Design, Engineering drawing, Machine Drawing etc  
**Laboratory Experiences:** Tool Engineering and Machine Design

#### Responsibility:

- Prepare and deliver lectures to undergraduate students on topics such Tool Eng. Machine Design
- Prepare course materials such as homework assignments, and handouts.
- Compile, administer, and grade examinations, or assign this work to others.
- Maintain student attendance records, grades, and other required records.
- Plan, evaluate, and revise curricula, course content, and course materials and methods of instruction

### Industrial training:

- Vocational implant Industrial training in "SIDDHI FORGE PVT. LTD. M.I.D.C." Ahmednagar"  
From 07/05/2013 to 21/05/2013 , **15days**
- Vocational implant Industrial training in "HUNDEKARI TATA MOTOR PVT.LTD." Ahmednagar  
From 31/05/2013 to 15/06/2013, **15day.**

### (iii) Academic activities:

- Participation in **2 days** FDP on "PERL and PYTHON " Organized by Department of computer engineering Fr. Conceicao Rodrigues College of Engineering in collaboration with TCS on 12<sup>th</sup> and 13<sup>th</sup> January 2018.
- Participation in **2 days** FDP on " Research Methodology and Statistical Techniques in research " Organized by Department of production engineering Fr. Conceicao Rodrigues College of Engineering on 09<sup>th</sup> and 10<sup>th</sup> March 2018
- State level Paper Presentation on "Scuderi Engine" Tantrasangram 2013, SND POLY.YEOLA (NASHIK), **One day.**
- National Level Technical Festival 2K14 "Bike Workshop" at Amrutvahini College of Eng. **One d**

### NATIONAL CONFERENCES:

- Participated at the national level conference on "**Challenges in Engineering Teaching and Research** " (NCCETR2018) organized by MGM's College of engineering and Technology at Kamothe, Navi Mumbai. Which held on 3<sup>rd</sup>-4<sup>th</sup> june2018
- Participated at the national level conference on "**Integrating Human Values in Professional Education** " (NCIHVPE2018) organized by MGM's College of engineering and Technology at Kamothe, Navi Mumbai. Which held on 12<sup>th</sup>-13<sup>th</sup> june2018

### NPTEL COURSE :

Course	Duration	Topic cover
Law of Thermodynamics	Aug 2017- Oct 2017	Introduction, properties of a pure system, Heat and work , 1st and 2nd law & entropy
Matlab Programming For Numerical Computation	Jan 2018- April 2018	Introduction to MATLAB Programming, Approximations and Errors, Numerical Differentiation and Integration, Linear Equations, Nonlinear Equations, Regression and Interpolation, Ordinary Differential Equations (ODE)




## Software skills:

Software	Duration	Grade	Content covered
Auto CAD 2016	Feb-2013 AICPTER'S Excel computers Ahmedagar	A++	(Fundamentals +Advanced) 2D, Isometric. 3D Drawing Modelling
CatiaV5R7	Sept-2013 Sai Institute of technology, Ahmednagar	A <sup>+</sup>	Introduction, Drawing Sketches in the Sketcher Workbench-1 &2, Creating Features, Wireframe and Surface Design, Advanced Modelling Tools-II
Master camX5	Jan-2017 to Jun 217 Udan CAD Thane	-	2D sketching, part modeling, surfacing , 2D Machining and 3D machining programming
NX11	Oct-2017 Fr.crce Bandra Mumbai	-	Modelling, Assembly, sketch, Manufacturing etc
Ansys 18.2	Oct-2017 Fr.crce Bandra Mumbai	-	Static Structure Analysis (FEA),
Arena	8 jan18-12 jan 18 Fr.crce, Bandra Department of Production Engineering	B <sup>+</sup>	Introduction to software, process, and Real Engineering case study
Solid works 2019	Lynda Solidworks training with Gabriel Corbett	-	Sketcher , part modeling, Assembly Modeling , Surface Modeling, Drafting , Sheet metal

## Other skills :

- Effective technical skills.
- Verbal and written communication skills.
- Problem-solving skills.
- Creativity.
- Interpersonal skills.
- Commercial awareness.
- Team working skills

## Member of professional bodies:

-  Institution Associate Member Institution Engineers (**AMIE**) And Chartered Engineer
-  [India] Student member of ASME
-  Associate member of Institution of Mechanical engineers (**AMIMEchE**)

Place : Thane

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