

**SIDDESH B. CHAVARE**  
**ME- MECHANICAL ENGINEERING**

**Career Objective:** To be a keen learner and to work hard to rise to the organization's expectations.

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**EDUCATIONAL QUALIFICATION**

Degree	Year of Passing	Institute/University	Percentage Or CGPA
M.E (Machine Design)	2017	Fr. Conceicao Rodriguez Institute of Technology, Vashi	64.3
B.E. (Mech)	2015	SIESGST, Nerul	60
H.S.C	2011	Fr. Agnells Junior College, Vashi	79.16
S.S.C.	2009	Navi Mumbai High School, Vashi	91.07

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**SOFTWARE EXPOSURE:-**

- Modelling and Analysis Softwares : - ,CREO, Auto CAD, ANSYS and CATIA
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**BE PROJECT:**

**Study of Manufacturing processes of I beams and stress analysis using ANSYS**

I-beams are steel structures used in construction work. Our project deals with the study of manufacturing processes of beams used in industry and their comparison with each other. It discusses about the effectiveness of using horizontal and vertical stiffeners for strengthening of coped beams using ANSYS. Assigning different steel grades to web and flanges, i.e., concept of Hybrid I-beams for strengthening of coped beams is also studied. It also discusses about the analytical study of girders with stiffeners and its comparison using ANSYS.

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**ME PROJECT:****Damage detection in a thin plate structure using Lamb waves with Linear PZT array**

The present work focuses on localization of a damage in an aluminium plate using lamb waves. Experimental study is carried out on the specimen plates with and without damage, and the response data are collected at various sensor locations. Piezoelectric Transducers (PZT) are used for the actuation and sensing of Lamb waves. The group velocity dispersion curves are obtained through the experiments and compared with those obtained analytically to ensure effective actuation and sensing of Lamb waves. An Elliptical loci method along with the linear arrangement of PZT array is used to find the location of the damage.

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**EXTRA CURRICULAR ACTIVITIES:**

- Participated in the workshop on Advanced IC Engine Technologies, 2013.
  - Participated in Gaming Competitions in College Festivals.
  - Achieved **2<sup>nd</sup> Rank** in ICCSME conference (April, 2015) at Bharti Vidyapeeth in Pune.
  - **GATE 2016** Qualified with **83.15** Percentile.
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**PERSONAL DETAILS**

- Date Of Birth – 3<sup>rd</sup> May, 1994
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