

## AMOL VAMAN DESHMUKH

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### PROFILE SUMMARY

- ❖ M.E. in Machine Design (Pursuing)
- ❖ B.E in Mechanical Engineering from University of Mumbai.
- ❖ Like to adapt new things
- ❖ Learner
- ❖ Social Worker

### ACADEMIC PROJECTS

#### Project Title: DESIGN & DEVELOPMENT OF E-POWERED BICYCLE.

I have successfully contributed for creative design of Gear, Sprocket and Chain Assembly of E-Powered bicycle as a part of final year project. For that we used 12V, 12Ah sealed Lead Acid Battery to power ½ HP & 1500 RPM DC motor with 2 stage reduction. The lightweight Bicycle is useful for all ages. It is 100 % Eco-friendly Bicycle. The remarkable point of this Bicycle is, when battery discharges, one can paddle it. The initial cost and maintenance cost are low. The E-Powered bicycle is designed for 100kg weight. Hence, can carry luggage as well. This Bicycle is smart replacement for petrol and diesel based vehicle for shorter distance.

### PAPER PRESENTED

- Author of "A Review on Research and Development in Wind Turbine Blade Design using Composite Materials" Published in International Journal of Engineering Trends and Technology (IJETT) ISSN: 2231-5381 Page No.104-110.

### SCHOLASTIC

| Academic            | University / Board | Year of Passing | Percentage                                      |
|---------------------|--------------------|-----------------|---|
| M.E. (Machine Des.) | NMU                | Appearing       | 2 <sup>nd</sup> Topper from University in Sem I |
| B.E. (Mechanical)   | Mumbai             | 2012            | 60.80%  |
| H.S.C.              | Nasik              | 2008            | 71.50%  |
| S.S.C.              | Nasik              | 2006            | 77.86%  |

### EXTRA CURRICULUM

- ❖ Member of Vanyajiv Sanrakshan Sanstha, (वन्यजीव संरक्षण संस्था), Jalgaon, NGO working for Conservation of Wildlife & Forest Freelance Snake-Friend
- ❖ Blood donation ( Once in four months )
- ❖ Rock Climbing and Mountaineering Expeditions.
  - Certificate in Basic course of Rock Climbing
  - Certificate in Advance course of Rock Climbing
  - Summited 3 virgin pinnacles of 300 feet in Mahuli Range, Aasangaon.
  - Summited a virgin face of 300 feet near Pimpaljoga Dam, Malshej.
  - Summited a virgin face of 450 feet at Manikilingi near Pen.

### SOFTWARE SKILLS

- ❖ CAD/CAM/CAE/PLM (EDS Technologies, Pune)
- ❖ CATIA V5 (EDS Technologies, Pune)

### PERSONAL SNIPPETS

**Date of Birth:** Aug 13<sup>th</sup>, 1990

**Languages Known:** English, Hindi and Marathi.

**Interest and Hobbies:** Trekking, Reading, Musical Instrument, Photography.