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## PROF. MEETA.P. CHAUHAN

Assistant Professor  
Mechanical Engineering Department,  
Government Engineering College, Valsad  
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Mobile: 9426481059

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### EDUCATION

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<b>M.E. in Mechanical CAD/CAM</b> L.D.College of Engineering,Ahemdabad	<b>2011</b>
<b>BE in Mechanical Engineering</b> Government Engineering College,Modasa	<b>2006</b>

### TEACHING EXPERIENCE

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<b>Assistant Professor</b> Government Engineering College, Valsad	<b>2012-present</b>
<b>Ad hoc Lecturer</b> Government Engineering College, Bharuch	<b>2008-2012</b>

### FIELDS OF RESEARCH INTEREST

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*Computer Aided Design:* Expert CAD Systems, Knowledge based CAD Systems, Artificial Intelligence in CAD Systems

*Rapid Prototyping:* FDM and 3D printing

*Manufacturing:* sustainable Manufacturing, Machining

### TECHNICAL SKILLS

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- Programming languages: Python, C, C ++, AutoLisp
- Computer Aided Design packages: AutoCAD, Creo, Catia, SolidWorks, Solidedge,Inventor
- FEM : ANSYS,CATIA
- Other: Latex, Linux (openSUSE, Ubuntu), Windows OS

### PUBLICATIONS

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#### Journal Papers

1. "FINITE ANALYSIS OF A RECTANGULAR PLATE WITH ABAQUS SOFTWARE",IJARSE VOLUME 3
2. A RESEARCH PAPER PUBLISHED IN INTERNATIONAL JOURNAL FOR ADVANCED ENGINEERING SCIENCE AND TECHNOLOGY.

#### Conference Papers

1. "Numerically predicted failure of pressure vessel ", 5th International conference on AIME(ICAME-2011),SVNIT
2. "ANALYSIS OF CREEP MODEL RP NANOCOMPOSITES WITH FEA ABAQUS

- SOFTWARE"4TH NATIONAL CONFERENCE ON ETIME,VALLABH VIDHYANAGAR  
3. "ANALYSIS OF STEEL MATERIAL FOR STRESS ,STRAIN AND CREEP",ADSS-11  
NATIONAL CONFERENCE AT SVNIT,SURAT

### **WORKSHOP / TRAINING ATTENDED**

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- STTP on "Creo for Mechanical Engineering", Government Engineering College, Valsad, 18-22 May 2015
- Workshop on NITTTR,BHOPAL GOV.POLITECHNIC FOR GIRL"S ,SURAT fabruary-2014
- KARMAYOGI RESIDENTIAL TRAINING COMMISSIONARATE OF TECHNICAL EDUCATION ,December-2013
- COMPUTER AIDED DESIGN AND MANUFACTURING AIC,SVNIT,SURAT,August-2010

### **PROFESSIONAL MEMBERSHIPS**

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- Life Member, Indian Society for a Technical Education

### **PORTFOLIOS**

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| ▪ Member of student section at department level | 2012-present |
| ▪ Member of women cell committee                | 2012-present |
| ▪ Member of women sports team committee         | 2016-present |
| ▪ Member of tablet yojna                        | 2017-present |
| ▪ Girl's Hostel warden/co-warden charge         | 2013-2018    |
| ▪ Department overload in charge and verifier    | 2013-present |

### **SUBJECT TAUGHT**

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|--------------------------------|---------------------------|
| ▪ Computer Aided Design        | ▪ Operations Research     |
| ▪ Computer Aided Manufacturing | ▪ Manufacturing Processes |
| ▪ Production Technology        | ▪ Industrial Engineering  |
| ▪ Control Engineering          | ▪ Engineering Graphics    |