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## ALPESH R PATEL

Assistant Professor  
Mechanical Engineering Department,  
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### EDUCATION

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<b>PhD in Mechanical Engineering</b> Gujarat Technological University, Chandkheda <i>Guide: Dr. K. V. Modi</i>	<b>(Pursuing)</b>
<b>M E in Mechanical (Energy Engineering)</b> Government Engineering College, Valsad	<b>2017</b>
<b>BE in Mechanical Engineering</b> C. K. Pithawala College of Engineering & Technology	<b>2003</b>

### TEACHING EXPERIENCE

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<b>Assistant Professor</b> Government Engineering College, Valsad	<b>2013-present</b>
<b>Assistant Professor</b> Government Engineering College, Modasa	<b>2010-2013</b>
<b>Lecturer</b> A Y Dadabhai Technical Institute, Kosamba	<b>2008-2010</b>
<b>Lecturer</b> Bhagawan Mahavir Polytechnic, Surat	<b>2005-2008</b>
<b>Adhoc Lecturer</b> N G Patel Polytechnic, Bardoli	<b>2004-2005</b>

### PROFESSIONAL EXPERIENCE

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<b>Quality Control Engineer</b> Q. C. Department, Pat-Fab Engineers Pvt. Ltd., Ahmedabad	<b>2003-2004</b>
<b>Quality Control Engineer</b> Q. C. Department, Tech-Sharp Engineers Pvt. Ltd., Chennai	<b>2004</b>

### FIELDS OF RESEARCH INTEREST

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*Heat transfer, Solar Energy*

*Vertical Axis Wind Turbine: Aerodynamics of Savonius and Darrieus type VAWT*

## **TECHNICAL SKILLS**

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- Programming languages: Python
- Computer Aided Design packages: AutoCAD, SolidWorks
- CFD: Ansys Fluent
- Other: Latex, Windows OS

## **WORKSHOP / TRAINING ATTENDED**

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- STTP on “Beyond the classroom towards excellence”, DTE, Government of Gujarat and I.I.T.E. Gandhinagar, 23-28 September 2018.
- Workshop on “Wind Tunnel Experiments Techniques and Applications” , Parul University, Vadodara, 17 March 2018
- STTP on “CATIA for Mechanical and Allied Engineering”, Government Engineering College, Valsad, 25-29 May 2015
- STTP on “Creo for Mechanical Engineering”, Government Engineering College, Valsad, 18-22 May 2015
- STTP on “Master CAM for faculty of Mechanical Engineering”, NITTTR, Bhopal, 02-06 February 2015
- STTP on “Induction Training Programme Phase – II” , NITTTR Extension Centre, Ahmedabad, 01-12 September 2014
- Workshop on “Recent Trends in Manufacturing & Quality Engineering”, J H Desai Polytechnic, Surat, 1-2 March 2014
- STTP on “Karmayogi Residential Training for Quality Improvement Program in Technical Education”, CTE, Gandhinagar, 06-08 February 2014
- Workshop on “Manufacturing Excellence”, Tatve Institute of Technological Studies, Modasa, 16 October 2012
- STTP on “Induction Training Programme Phase – I” , NITTTR Extension Centre, Ahmedabad, 02-13 July 2012

## **PROFESSIONAL MEMBERSHIPS**

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- Life Member, Indian Society for a Technical Education
- Associate Member, Indian Institute of Industrial Engineering

## **PORTFOLIOS**

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- G.T.U. Coordinator, GEC, Valsad **2017-present**

## **SUBJECT TAUGHT**

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- Dynamics of Machinery
- Theory of Machine
- Machine Design and Industrial Drafting
- Design of Machine Elements
- Machine Design
- Engineering Graphics
- Operations Research
- Wind and Small Hydro Systems
- Kinematics of Machine
- Renewable Energy Engineering
- Solar Energy Engineering
- Elements of Mechanical Engineering