

# GIDC DEGREE ENGINEERING COLLEGE

## FACULTY PROFILE



<b>Name of Teaching Staff</b>	MR. JAY RAJESHBHAI DESAI		
<b>Designation</b>	ASSISTANT PROFESSOR		
<b>Department</b>	ELECTRICAL ENGINEERING		
<b>Date of Joining</b>	31/08/2015		
<b>Qualifications with Class/Grade</b>	<b>UG</b>	<b>PG</b>	<b>Ph D</b>
	ELECTRONICS AND COMMUNICATION WITH DISTINCTION. 7.48 CGPA	ELECTRONICS AND COMMUNICATION WITH DISTINCTION. 7.91 CPI	-----
<b>Total Experience in Years</b>	<b>Teaching</b>	<b>Industry</b>	<b>Research</b>
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<b>Area Of Interest</b>	MICROPROCESSOR, MICROCONTROLLER, DIGITAL SIGNAL PROCESSING, SPEECH PROCESSING, IMAGE PROCESSING, DIGITAL ELECTRONICS, ANALOG ELECTRONICS, DIGITAL COMMUNICATION, WIRELESS COMMUNICATION		
<b>Papers Published in Journals</b>	<b>National</b>	-	<b>International</b> 3
<b>Papers Presented in Conferences</b>	<b>National</b>	-	<b>International</b> —

<p><b>Detail Of Publication</b></p>	<p><b>JOURNALS:</b></p> <p>(1) <b>MR. JAY R. DESAI</b>, PROF. MITUL M. PATEL, “ <b>AUDIO WATERMARKING : A SURVEY</b> ” , INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH &amp; DEVELOPMENT, VOLUME 1, ISSUE 12, 2014, ISSN(ONLINE): 2321-0613, PAGE NO.: 2696-2700.</p> <p>(2) MR. BHAVIN TRIVEDI, MR. JAYKISHAN RAVAL, <b>MR. JAY R. DESAI</b>, MR. KAMLESH SONWANE, “ <b>SOFT START OF INDUCTION MOTOR USING TRIAC SWITCHING</b> ” , INTERNATIONAL JOURNAL OF ENGINEERING DEVELOPMENT AND RESEARCH, VOLUME 5, ISSUE 2, JUNE 2017, ISSN: 2321-9939, PAPER ID: IJEDR1702256</p> <p>(3) MR. BHAVIN TRIVEDI, MR. BHAVESH PATEL, <b>MR. JAY R. DESAI</b>, MR. KAMLESH SONWANE, “<b>ANALYSIS OF SEPIC CONVERTER</b>”, INTERNATIONAL JOURNAL OF ENGINEERING DEVELOPMENT AND RESEARCH, VOLUME 6, ISSUE 2, APRIL 2018, ISSN: 2321-9939, PAPER ID: IJEDR1802085</p>
<p><b>STTP/WORKSHOP/ CONFERENCE / SEMINAR Organized or Participated</b></p>	<p>(1) ATTENDED “4TH NATIONAL CONFERENCE OF EMERGING VISTAS OF TECHNOLOGY IN 21ST CENTURY” HELD AT PARUL INSTITUTE OF ENGINEERING AND TECHNOLOGY, LIMDA.</p> <p>(2) ATTENDED “5TH NATIONAL CONFERENCE OF EMERGING VISTAS OF TECHNOLOGY IN 21ST CENTURY” HELD AT PARUL INSTITUTE OF ENGINEERING AND TECHNOLOGY, LIMDA.</p> <p>(3) PARTICIPATED IN “SHORT TERM TRAINING PROGRAM ON DIGITAL SIGNAL PROCESSING AND APPLICATIONS” HELD AT PARUL INSTITUTE OF ENGINEERING AND TECHNOLOGY, LIMDA</p>

(4) PARTICIPATED IN “ FACULTY DEVELOPEMENT PROGRAM ON DESIGN ENGINEERING” HELD UNDER THE AEGIS OF GTU-GIC NAVSARI SANKUL AT GIDC DEGREE ENGINEERING COLLEGE.

(5) ATTENDED 20TH ISTE STATE ANNUAL FACULTY CONVENTION 2015 WITH STATE LEVEL SEMINAR ON “ CHALLENGES AND OPPORTUNITIES IN TECHNICAL EDUCATION IN THE ERA OF SUSTAINABLE DEVELOPMENT”, JOINTLY ORGANIZED BY ISTE GUJARAT SECTION AND CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OF TECHNOLOGY, UKA TARSADIA UNIVERSITY, BARDOLI ON 27TH OCTOBER, 2015.

(6) ATTENDED NPTEL WORKSHOP AT CHANGA ON 8TH APRIL 2017 CONDUCTED BY IIT MADRAS

(7) ATTENDED ONE DAY WORKSHOP ON “ ENERGY CONSERVATION AWARENESS” SPONSORED BY GEDA, GANDHINAGAR ON 21ST JULY 2017 AT GIDC DEGREE ENGINEERING COLLEGE, ABRAMA

(8) ATTENDED PRINCIPAL – TPO MEET AT SIGMA INSTITUTE

(9) PARTICIPATED IN “SHORT TERM TRAINING PROGRAM ON DESIGNING of MATHEMATICAL MODELS IN DIFFERENT FIELDS of ENGINEERING” HELD AT GIDC DEGREE ENGINEERING COLLEGE, ABRAMA DURING 19TH TO 23RD MARCH 2018

(10) ATTENDED ONE DAY WORKSHOP ON “ START-UP & INNOVATION PROTOTHON” HELD AT GIDC DEGREE ENGINEERING COLLEGE, ABRAMA AT NOVEMBER 24, 2017

(11) PARTICIPATED IN 1-DAY SEMINAR ON “ POWER SYSTEM BASICS FOR ACADEMICIANS & PRACTICING ENGINEERS”AT MAHIDA

	BHAVAN, SURAT ON 27 FEBRUARY, 2018
<b>Projects Guided</b>	<b>DEPARTMENT:</b> <ol style="list-style-type: none"> <li>(1) GUIDED FINAL YEAR ELECTRICAL PROJECT ON “ SOIL MOISTURE SENSOR BASED INTELLIGENT IRRIGATION WATER PUMP CONTROLLING SYSTEM WITH GSM”</li> <li>(2) GUIDED FINAL YEAR ELECTRICAL PROJECT ON “ ENERGY THEFT DETECTION”</li> <li>(3) GUIDED FINAL YEAR ELECTRICAL PROJECT ON “ SAFETY FOR CASH CARRYING VAN IN BANKING SYSTEM WITH GPS.”</li> <li>(4) GUIDED DESIGN ENGINEERING PROJECT BASED ON “BRUSHLESS DC MOTOR”</li> <li>(5) GUIDED DESIGN ENGINEERING PROJECT BASED ON “ELECTRICITY GENERATION USING PIEZOELECTRIC MATERIAL”</li> </ol>
<b>Professional Memberships</b>	-----
<b>Administrative Responsibilities:</b>	<ol style="list-style-type: none"> <li>(1) FIRST YEAR TO FINAL(4<sup>TH</sup>) YEAR CLASS CO-ORDINATOR</li> <li>(2) DEPARTMENTAL EXAMINATION CO-ORDINATOR</li> <li>(3) DEPARTMENTAL DESIGN LAB CO-ORDINATOR</li> <li>(4) MEASUREMENT LAB INCHARGE</li> <li>(5) 100 POINT ACTIVITY CO-ORDINATOR</li> <li>(6) MEMBER OF DISCIPLINE COMMITTEE</li> <li>(7) MEMBER OF FRC COMMITTEE</li> <li>(8) COLLEGE REPRESENTATIVE OF THE PROGRAM “ VISAKA” WHICH RUNS BY MINISTRY OF HRD, GOVT. OF INDIA</li> <li>(9) PERFORMING OBSERVER DUTY AT GTU</li> <li>(10) PERFORMING EXTERNAL EXAMINER DUTY OF GTU</li> <li>(11) PERFORMING INTERNAL EXAMINER DUTY OF GTU</li> <li>(12) PERFORMING JUNIOR SUPERVISOR DUTY AT GTU EXAM</li> <li>(13) PERFORMING SUPERVISING DUTY ON MID SEM EXAM AT COLLEGE LEVEL</li> <li>(14) CONDUCTING STUDENT AWARENESS PROGRAM AT MAHIDA BHAVAN, SURAT</li> <li>(15) CO-ORDINATED THE ANCHORING PROCESS ON ANNUAL FUNCTION GUNJ-2016-17-18 AT GIDC DEGREE ENGINEERING COLLEGE.</li> </ol>

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|  | <p>(16) CO-ORDINATED CHESS COMPETITION ON SPORTS WEEK 2016<br/>AT GIDC DEGREE ENGINEERING COLLEGE</p> <p>(17) CO-COORDINATED GROUP DISCUSSION, CIRCUIT<br/>DEBUGGING EVENT UNDER TECHNICAL EVENT-2016 AT<br/>GIDC DEGREE ENGINEERING</p> |
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