


# GIDC DEGREE ENGINEERING COLLEGE

## FACULTY PROFILE

Name of Teaching Staff	DHAVALKUMAR KANTILAL PATEL			
Designation	ASSISTANT PROFESSOR			
Department	ELECTRICAL			
Date of Joining	01/07/2013			
Qualifications with Class/Grade	UG	PG	PhD	
		M.E. Electrical with first class with Distinction		
Total Experience in Years	Teaching	Industry	Research	
	10 YEAR, 9 MONTH			
Area Of Interest	ELECTRICAL MACHINES & DRIVES			
Papers Published in Journals	National		International	7
Papers Presented in Conferences	National		International	1

Detail Of Publication

Journals:-

1. Study Of Pid Controller Based Pitch Actuator System For Variable Speed Hawt Using Matlab, Issn: 2319-8753, Ijirset, Vol. 2, Issue 5, May 2013.
2. Mathematical Modeling Of Open Loop Pmdc M.otor Using Matlab/Simulink, Ijedr, Issn: 2321-9939, Volume 3, Issue-1, Jan-2015
3. Open Loop Speed And Direction Control Of Dc Motor Using Zigbee. Issn: 2321 9939.Vol.4, Issue 2, May 2016.
4. Analytic Different Approach Of Mathematical Modelling And Simulation Of The Dc Motor Using Matlab-Simulink Page No-43-48.Issn:2346-8527.Vol. 5, Issue 10, Oct-16.
5. “Wireless Home Automation System using Android”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Impact Factor: 5.621, ISSN: 2278 – 8875, Page no: 908-912, Vol. 6, Issue 2, February 2017.
- 6.“Real Time Vehicle Tracking & Protection System Using Microcontroller”, International Journal of Electronics, Electrical and Computational System, ISSN 2348-117X, Volume 7, Issue 3, March 2018.
7. “Patient health monitoring system using gsm”, International Journal of Advances in Arts, Sciences and Engineering (IJOAASE), May 2018, Volume 6, Issue 13, ISSN: 2320-6144

Conferences:-

1. Analytic Different Approach of Mathematical Modelling and Simulation of the Dc Motor Using Matlab-Simulink Page No-122-127. ICIRESM-16, IETE, On 9th October 2016. ISBN: 978-81-932712-8-5.

STTP/WORKSHOP/  
CONFERENCE / SEMINAR  
Organized or Participated

PARTICIPATED

STTP: -

1. On “Application of Power Electronics to Power System” on 13th June – 17th June, 2016. Organized By: SCET, Surat.
2. On “Advance in Electrical Machines” during 12th-16th December, 2016. Organized by: Electrical Engineering Department, SVNIT, Surat
3. One week STTP on Recent trends of Mathematics in Science & Technology during 2-6 January, 2017 at GDEC, Navsari.

FDP:-

1. Attended 5 day FDP on Digital CMOS circuits & devices, 22th – 26th ,May 2018, SVNIT surat

WORKSHOP:-

1. One day workshop on "Unmet Social Needs as Drivers of Innovations" on 22nd November, 2016. Organized by: GTU & in Collaboration with HONEY BEE NETWORK.
2. Attended three days' workshop on “ARMcortex-M4 Microcontroller based Power Electronics System Development” organized during 24- 26, February, 2017 at SVNIT, Surat
3. Attended Two day workshop on “Introduction of Robotics” organized by e-Yantra IIT Bombay at SCET, Surat on 17th & 18th November under Lab Setup Initiative (eLSI).

SEMINAR:-

1. One Day seminar on 100 Point Activity.

		<p><u>ORGANIZED:-</u></p> <p><u>WORKSHOP:-</u></p> <ol style="list-style-type: none"> <li>1) Workshop on “Industrial Electrical Engineering” for 3rd &amp; 4th year Electrical Engineering Students was organized for three days that is 15th - 16th &amp; 30th July, 2016. Total 55 students participated in this workshop. The workshop was organized by Prof. Dhaval K. Patel &amp; Rahat Electric Works.</li> <li>2) Workshop on “PCB Design and Simulation” for 3rd year Electrical Engineering Students was organized for Two Days 2nd &amp; 3<sup>rd</sup> September, 2016. Total 42 students have participated in this workshop. Workshop was organized by Prof. Ketan K. Lad, Prof. Dhaval K. Patel, Prof. Rohit B. Damor and Prof. Khyati K. Naik.</li> </ol> <p><u>SEMINAR:-</u></p> <ol style="list-style-type: none"> <li>1. On <b>Industrial Automation</b> for final year students from <b>EINSTROL AUTOMATION &amp; ELECETRICAL DEPARTMENT</b>.</li> </ol>
	Projects Guided	<ol style="list-style-type: none"> <li>1. Solar Car with Electromagnetic Braking System.</li> <li>2. Zigbee Based Dc Motor Control and Protection.</li> <li>3. Wireless Electromagnetic Crain.</li> <li>4. Comparative Analysis of Bldc Motor &amp; Conventional Dc Using Matlab &amp; Hardware.</li> <li>5. Remote Monitoring Of Transformer Parameter &amp; Control Using Gsm.</li> <li>6. Construction of Electrical Vehicle Driven By Permanent Magnet Motor. (Automobile Dept.)</li> <li>7. Wireless Firefighting Robo.</li> <li>8. Pedal Assist Vehicle. (Automobile Dept.)</li> <li>9. Fabrication of solar powered vehicle. (Automobile Dept.)</li> </ol>
	Professional Memberships	Life time member of “The Indian Society For Technical Education” (ISTE) Member no. - LM-114405.

	Administrative Responsibilities:	-In charge Head of Department.