


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	
	5 YEAR, 6 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.

Projects Guided	<u>ORGANIZED:-</u>
	<u>WORKSHOP:-</u>
	<p>1) Workshop on “Industrial Electrical Engineering” for 3rd & 4th year Electrical Engineering Students was organized for three days that is 15th - 16th & 30th July, 2016. Total 55 students participated in this workshop. The workshop was organized by Prof. Dhaval K. Patel & Rahat Electric Works.</p> <p>2) Workshop on “PCB Design and Simulation” for 3rd year Electrical Engineering Students was organized for Two Days 2nd & 3rd 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.</p>
	<u>SEMINAR:-</u>
	1. On Industrial Automation for final year students from EINSTROL AUTOMATION & ELECETRICAL DEPARTMENT .
	<p>1. Solar Car with Electromagnetic Braking System.</p> <p>2. Zigbee Based Dc Motor Control and Protection.</p> <p>3. Wireless Electromagnetic Crain.</p> <p>4. Comparative Analysis of Bldc Motor & Conventional Dc Using Matlab & Hardware.</p> <p>5. Remote Monitoring Of Transformer Parameter & Control Using Gsm.</p> <p>6. Construction of Electrical Vehicle Driven By Permanent Magnet Motor. (Automobile Dept.)</p> <p>7. Wireless Firefighting Robo.</p> <p>8. Pedal Assist Vehicle. (Automobile Dept.)</p> <p>9. Fabrication of solar powered vehicle. (Automobile Dept.)</p>
Professional Memberships	Life time member of “The Indian Society For Technical Education” (ISTE) Member no. - LM-114405.

Administrative Responsibilities:	-In charge Head of Department.