


GIDC DEGREE ENGINEERING COLLEGE
FACULTY PROFILE

Name of Teaching Staff	DHRUVANG RAJESH GAYAKWAD			
Designation	ASSISTANT PROFESSOR			
Department	ELECTRICAL			
Date of Joining	1-9-2014			
Qualifications with Class/Grade	UG	PG	PhD	
	68.80%	69.93%	Pursuing	
Total Experience in Years	Teaching	Industry	Research	
	9.5 Years	1 Year		
Area Of Interest	POWER QUALITY, ELECTRIC VEHICLE, POWER SYSTEM, MACHINE DESIGN			
Papers Published in Journals	National	-	International	3

	Detail Of Publication	<p>1. "Automatic Reactive Power Control using FC-TCR" in the International Journal of Advanced Computer Research (IJACR), Volume-4, No-2, Issue- 15, June- 2014.</p> <p>2. "Simulation of Power factor correction for the single phase and three phase loads by capacitors" in International Journal of Current Engineering and scientific Research (IJCESR), Volume V, Issue V, 2018</p> <p>3. "Analysis of full bridge Rectifier with filter capacitor" in International journal for scientific research & Development (IJSRD), Volume 7, Issue 9,2019</p>			
	Papers Presented in Conferences	National	-	International	-
	STTP/WORKSHOP/ CONFERENCE / SEMINAR Organized or Participated	<p>Attended FDP: Total= (10)</p> <p>1. "Graphical System Design in Engineering Application" conducted on 15-16 July 2015 at BITS, Vadodara</p> <p>2. "Design Engineering" conducted on 15-16 October, 2016 at GDEC,</p> <p>3. 8-week online course on "Electric Vehicle Technology" conducted by Deshya Technologies Pvt. Ltd. (IIT Guwahati) completed on 1-03-2017</p> <p>4. Completed 12-week NPTEL Course on "Design of photovoltaic Systems" with 60% marks from July-October 2017.</p> <p>5. Completed 4-week NPTEL Course on "Electric Vehicle Part-1" from Feb-March 2020.</p> <p>6. "An Online Faculty Development Programme on Research Opportunities in Power Engineering (ROPE – 2020)" during 22nd – 27th April 2020 organised by CMR College of Engineering & Technology, Hyderabad.</p> <p>7. Successfully Completed the E-learning program on PLCs in April-2020</p>			

8. 4-week Online course on “Introduction to BMS” conducted by Coursera in May 2020

9. “Simulation of Electric Machine's using ANSYS Electromagnetic Software and its Applications in Electric Vehicle” organised by the Department of Electrical Engineering, Bharati Vidyapeeth (Deemed to Be University) College of Engineering, Pune in association with Entuple Technologies Pvt Ltd and IEEE PES- IAS chapter, Pune Section from 3rd-5th September 2020

10. Advances in Renewable Energy and Electric Vehicles” from 26th March 2022 to 30th March 2022 organized by the Department of Electrical Engineering, National Institute of Technology (NIT), Silchar, Assam.

Attended STTP: Total= (09)

1. “Hands on Training: Mathematical modelling & software Simulation for Power System Engineering” held on 6 -15 June, 2016 at SVNIT, Surat.

2. Completed 2-week STTP on “Electric Power System” conducted by IIT Kharagpur from 12 June, 2017 to 15 July, 2017(Online as well as offline) with Excellent Grade.

3. “Designing of Mathematical Models in Different fields of Engineering “held on March 19-23, 2018 at GDEC, Navsari

4. “Computer Aided Techniques for Electrical Machines and Power Systems” from 11 -21 June 2018 (10 days) at SVNIT, Surat.

5. “TRAINING OF TRAINERS (TOT) FOR TEACHER EDUCATORS” from 5-10-20 to 9-10-20 by NITTR, Bhopal

6. “Microgrid: Integration and power Quality Issues” from 07-12-2021 to 13-12-2021organised by Nalla Malla Ready Engineering College, Ghatkesar Mandal, Hyderabad, Telangana.

7. Industrial Training of 21 days in “UNIQUE SUN POWER LLP” Surat.

8. Analytics of Power Systems” held during 29th November to 03rd December 2021, organized by Department of Electrical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat.

9. One-week Short Term Course on “EV Charging Technology and Infrastructure Development” (EVCTID-2023) organized by Department of Electrical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat from 30th March 2023 to 3rd April 2023.

Attended Workshop: - Total (8)

1. “Power system Stability Analysis” held on 11-12 March, 2016 at UTU, Bardoli.

2. “Moodle Workshop” held on 19 May, 2015 at GDEC, Navsari

3. one day “NPTEL Workshop” conducted on 8 April, 2017 by IIT Madras at CHARUSAT

4.” Energy Conservation Awareness” conducted on July 21, 2017 at GDEC, Navsari

5. “Start-up & innovation Protothon” conducted on 24, November 2017 at GDEC, Navsari.

6. One Day workshop on “Role of Energy Storage & Plug-in Electric Vehicles in Smart Grid: Challenges & Opportunities” on 30th May, 2020 organised by AUDISANKARA GROUP OF INSTITUTIONS Gudur, Nellore (Dt), A.P.

7. 6 days’ Workshop on Emerging Trends, Challenges and Opportunities in Wireless Charging of Electric Vehicles organized by Electric Vehicle Charging Research Centre, Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Kattankulathur from 20.02.2023 to 25.02.2023

8. 3 Day Symposium on Emerging Research Topics in Engineering 23 (ERTE - 2023), with the theme of 'Smart Energy Systems' organized by the Sarvajanic College of Engineering and Technology, Surat from 15 to 17^h September, 2023.

Attended Seminar: Total (09)

1. One day seminar on “Power System Basics for Academics & Practicing Engineers” conducted by The Society of Power Engineer, Vadodara Chapter on 27 February, 2018, Surat.

2. 4 Days Webinar on “Lithium Ion Batteries for your Evs” from 10th-13th April 2020, Organised by Credible Future India Pvt. Ltd. in association with Cyantron Synergies Pvt. Ltd.

3. Online webinar on “Internet of Things (IoT)” during 06.05.20 to 08.05.20 conducted by PSNA - Bluetronics CoE Department of EEE, PSNA College of Engineering & Technology, Dindigul.

4. Six-Day Webinar Series on “Battery Management System for electric vehicle”, Organized by Department of Electrical and Electronics Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur, A.P, on 12th to 17th May, 2020.

5. “Mathematics in Real Life” organised by ASH Department of GDEC, Navsari on 24th May 2020.

6. Completed “High Efficiency DC/DC Converters with a New Coupled-Inductor-Rectifier

Structure” on 26th May 2020 considered as one Professional Development Hours by IEEE.

7. “Role of Energy Storage & Plug-in Electric Vehicles in Smart Grid: Challenges & Opportunities” on 30th May-2020 by AUDISANKARA GROUP OF INSTITUTIONS Gudur, Nellore (Dt), A.P.

8. Completed Smart Battery Management & Health Conscious Fast Charging for Future Transport on 2nd June 2020 considered as one Professional Development Hours by IEEE

		9. Simulation of Electrical and Electronics Projects using Proteus Software” held on Google Meet platform, organized by Department of Electrical and Electronics Engineering of Sethu Institute of Technology, Pulloor, Kariapatti on Friday, August 7, 2020
	Projects Guided	1. Power factor improvement of induction motor. 2. Home automation system with electrical safety. 3. Protective Relay test set 4. Fault Detection in Transmission Line
	Books Published / IPRs/ Patents	-
	Professional Memberships	-
	Consultancy Activities	-
	Awards	-
	Grants Fetched	-
	Interaction with Professional Institutions	-