

Jigar N Mistry

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Career Objective:

To enhance my knowledge through teaching learning process and to build strong foundation in technical education and build the student for the holistic growth and provide him a quality education.

Educational Qualification:

Masters of Engineering: 8.28 (75 %)	College : S.C.E.T.; Surat	2010-2012
Bachelor of Engineering: 6.86 (65 %)	College: G.C.E.T.; V.V.Nagar	2005-2009

M.E. Dissertation:

Design and Implementation of Variable Frequency Control of AC Motor Using Multilevel Inverter.

Job Experience:

- Apprentice Design Engineer at Anupam Industries at Vithal Udyog Nagar till 2010.
 - Assistant Professor at *Vishwakarma Government Engineering College* till now.
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Training:

Training at "**ATLANTA ELECTRICALS PVT. LTD.**" in the area of maintaining & testing of high voltage transformer from 15th June 2007 to 30th June 2007.

Publications/Presentation:

❖ International Conference:

- Mistry, J. N., & Tailor, D. N. (December 2017). Gesture controlled smart wheelchair. *ADIT Journal of Engineering* , 35-37.
- Mistry, J. N., & Tailor, D. N. (March 2016). Software and Hardware Implementation of Five Level Neutral Point Clamped Inverter. *International Conference on Electrical, Electronics and Optimization Techniques* , 1-5.
- Mistry, J. N. (2012). Variable Frequency Using Multi Level Inverter. *International Conference in Electronics Computer Technology* , 228-232.

❖ **International Journal:**

- Mistry, J. N. (March 2019). Hardware Implementation of DC Drive Using Chopper. *Journal of Emerging Technologies and Innovative Research* , 150-152.
- Mistry, J. N. (September 2016). Managing 12 Pulse Converter. *Electrical India* , 74-76.
- Mistry, J. N. (September- October 2016). New Lighting Scheme for Laboratory. *Lighting India* , 54-57.
- Mistry, J. N. (December 2015). Five Level Flying Clamped Capacitor Multilevel Inverter. *ADIT Journal of Engineering* , 49-52.
- Mistry, J. N. (September 2013). Flying clamped Capacitor Multilevel Inverter in Variable Frequency Drive. *International Journal of Advanced Research in Computer and Communication Engineering* , 3697-3701.
- Mistry, J. N. (September 2012). Variable Frequency Drive. *Research Expo International Multidisciplinary Research Journal* , 252-256.
- Mistry, J. N. (March 2012). Variable Frequency Drive Using Neutral Point Clamped Multilevel Inverter. *International Journal of Advances in Management, Technology and Engineering Sciences* , 57-62.

Coordinator of Workshop:

Duration: From 3/9/2016 to 4/9/2016

Title: ISTE Sponsored “Hands on practice on Delta DVP14SS02 PLC” (in which Rs. 1700 was received From ISTE)

STTP/Workshop Attended:

Sr. No.	TITLE	DURATION	SPONSER	PLACE
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1	Two days e-yantra workshop by IIT, Bombay	16 th -17 th April, 2018	IIT, Bombay	Vadodara Institute of Engineering
2	IOT and Machine Learning Workshop	26 th – 27 th July, 2018	IEEE, ADIT Student Branch	A.D. Patel Institute of Technology, V.U.Nagar
3	Microcontroller Based Power Electronics System Implementation (STTP)	14 th – 18 th August, 2017	-	SVNIT, Surat
4	Theory and Hands On Practice on Electrical Machines and Power System (STTP)	6 th – 10 th March, 2017	Institution of Engineers (I.E.)	A.D. Patel Institute of Technology, V.U.Nagar
5	Sustainability of Energy Systems through Smart Grid and Renewable Energy Integration	12 th – 13 th December, 2017	Royal Academy of Engineering (UK)	M & V Department of Electrical Engineering (CHARUSAT)
6	Recent Trend in Automation and Control (STTP)	24 th – 28 th October, 2016	TEQIP II	Government Engineering College, Patan
7	Energy Conservation Awareness Program	22 nd September, 2016	Gujarat Energy Development Agency	A.D. Patel Institute of Technology, V.U.Nagar
8	Design Engineering	11 th April, 2015	-	A.D. Patel Institute of Technology, V.U.Nagar
9	Design and Development of Embedded System	30 th March To 3 rd April, 2015	Prolific Systems & Technology PVT. LTD.	A.D. Patel Institute of Technology, V.U.Nagar
10	Energy Conservation Awareness Program	22 nd July, 2015	Gujarat Energy Development Agency	A.D. Patel Institute of Technology, V.U.Nagar
11	Implementation of Power Electronics Systems (STTP)	29 th December to 2 nd January, 2014	TEQIP II	SVNIT, Surat
12	Recent Trends in Power System Protection	7 th – 8 th March, 2014	-	A.D. Patel Institute of Technology, V.U.Nagar
13	Faculty Development Program	13 th – 17 th November, 2013	IEEE Gandhinagar	IIT Gandhinagar

14	Three-day workshop on Microcontrollers & Interfacing	18th -20th Jan, 2013	Anchor Institute, CEPT, Skill Development for Infrastructure Sector, Commissioner of Industries, in association with, e-Prayog Virtual Labs (Electronics), IIT Bombay	B. V. M. Engineering College, V. V. nagar
15	Improvement in practical knowledge by using the electrical engineering laboratories effectively	6 th July to 7 th July, 2012		SVIT College, Vasad

Seminar/Expert Lecture Coordinated:

- “Carrier Options Seminar” on 15th March, 2019
- “Gate Awareness Seminar” on 31th January, 2018
- “Electric Machines” on 7th July, 2017
- “Automatic project report making using Microsoft word” on 23th August, 2017.
- “Carrier Orientation Program” on 12th August, 2016

Event Coordinator:

- “Poster presentation” of state level Tech-fest Spectrum’17 on 2/3/2017.
- “Gate Aptitude Test” for 3rd and 2ndyear students on 23/2/2017 and 9/3/2017 respectively.
- “Thalassemia Test” for all year students on 28/2/2017.

Visit Coordinator:

- Open House at “SPRERI” on 2/2/19
- Amul Chocolates Plant, Mogar on 10/1/19
- Atlanta Transformer, GIDC, New V V Nagar on 8/1/19
- Sardar Patel Memorial, Karamsad on 8/08/18
- Sophisticated Instrumentation centre for applied research and testing (SICART), V V Nagar on 8/08/18
- Mahatma Gandhi Institute, Amrol on 7/08/18
- Open House at “SPRERI” on 15/2/18
- Atlanta Transformer, GIDC, New V V Nagar on 19/04/17
- Open House at “SPRERI” on 16/02/17
- Open House at “SPRERI” on 15/02/17
- Anupam Industries Limited, V V Nagar on 20/7/16
- Atlanta Transformer, GIDC, New V V Nagar on 07/04/16
- Atlanta Transformer, GIDC, New V V Nagar on 20/08/2015
- Atlanta Transformer, GIDC, New V V Nagar on 19/09/14
- Open House at “SPRERI” on 22/01/14
- Atlanta Transformer, GIDC, New V V Nagar on 28/09/13

Expert Lecture:

- Modelling of Induction Motor in Matlab at G.C.E.T. College on 15th February 2013.

Softwares:

Matlab, P-Spice, E-Plan, E3-Series, Windows XP, C Language

Extra Curricular Activities:

- 1st in intra College Chess Competition.

- 1st in Essay Competition in Anand (About **KARGIL WAR**)
- Awarded prizes in painting competition till 9th standard.

Personal Information:

Date of Birth: 12/10/1986

Status: Unmarried

Hobby: Reading Religious Books
