



DEVENDRA N. TANDEL

Assistant Professor
Electrical Engineering Department,
Government Engineering College, Valsad

E-mail: dntandel@gecv.ac.in

Mobile: 9825997422

EDUCATION

ME in Electrical (Power Electronics and Machine Drives) Nirma University, Ahmedabad	2009
BE in Electrical Engineering Lukhdhirji Engineering College, Morbi	2007
Diploma in Electrical Engineering Government Polytechnic, Valsad	2003

TEACHING EXPERIENCE

Assistant Professor Government Engineering College, Valsad	2016-present
Assistant Professor S. N. Patel Institute of Technology and Research Centre, Umrah	2009-2016

TECHNICAL SKILLS

- Computer Aided Design packages: MATLAB, Psim, Keil, Ansys.
- HTML, PHP Web Development,

WORKSHOP / TRAINING ATTENDED

- "INDUCTION TRAINING PROGRAMME PHASE - I" at NITTTR, Regional Centre, Ahmedabad during 24/07/2017 to 04/08/2017 (Two Week)
- "Recent Technical Innovation and Development in Electrical Engineering" at Online training program organized by DTE, Gandhinagar during 1/1/18 to 11/1/18 (One Week)
- "Conditioning Monitoring of Power Transformer" at IITRAM, Ahmedabad during 05/03/2018 to 09/03/2018 (One Week)
- "Renewable Energy Technology" at NITTTR, Bhopal during 1 JULY 2019 to 5 JULY 2019 (One Week)
- "Electric Vehicles - Part 1" at NPTEL MOOC during 25 FEB 2019 to 20 MAR 2019 (One Week)
- "NBA ACCREDITATION" at NITTTR, AHMEDABAD during 26th Aug 2019 to 30th Aug 2019 (One Week)
- "Comprehensive Online Intellectual Property Rights (IPR)" at Gujarat Student Startup and Innovation Hub during Jul 6, 2020 to Sep 14, 2020.
- "Current Trends of Power Electronics Applications in Electric Vehicles" at Government Engineering College, Valsad during June 7, 2021 to June 11, 2021.
- "Introduction to Embedded System Design" at NPTEL-IIT, Madras during Jan 23, 2023 to Apr 14, 2023.
- "Design of Photovoltaic Systems" at NPTEL-IISC, Bangalore during Jul 24, 2023 to Oct 13, 2023.

PROFESSIONAL MEMBERSHIPS

- Life Member, Indian Society for a Technical Education
- IEEE Power Electronics Society Member for one year (2012-2013)
- Electronics for You 3Years Readers Member

PORTFOLIOS

- | | |
|---|---------------------|
| ▪ Institute NBA Co-Coordinator. | 2019-present |
| ▪ Institute Tech-fest Coordinator. | 2017-present |
| ▪ Institute Network Committee Member. | 2017-present |
| ▪ Institute Website Development Coordinator | 2019-present |
| ▪ Institute Anti Ragging Committee member. | 2019-present |
| ▪ Electrical Department NBA coordinator. | 2018-present |
| ▪ Electrical Department SSIP- Fab Lab Committee member. | 2017-present |

ACADEMIC PROJECTS GUIDED

- GSM based Solar Water Pump System
- BLDC motor-based DC Fan
- Smart-eye for Blind people
- Smart Library System

PUBLICATIONS

Journal Papers

- “Design, Simulation and Realization of Coreless Induction Heating by Induced Eddy Current in Conducting Work Piece”, SPECIAL ISSUE EIOCD-2015, ISSN: 2394-1766
- “Power Factor Correction by using Boost Converter”, EIOCD-2015, 11th April, 2015, ISSN: 978-81-929339-1-7
- “Design of a wide input range of power factor correction circuit using DSP (TMS320F2811) for single phase application”, EIOCD-2015, 11th April, 2015, ISSN: 978-81-929339-1-7

Conference Papers

- Presented a paper titled “Simulation Programming and Analysis of the Novel Technique for DC Drive for Electric Hoist Application” at the International Conference on Electrical Energy Systems & Power Electronics in Emerging Economies (ICEESPEEE '09) organized at SRM University, Chennai during 16th -17th April 2009.
- Presented a paper titled “Design and Implementation of Single Phase Single Switch Active Power Factor Corrector using DSP(TMS320F2811)” at the International Conference on Electrical Energy Systems & Power Electronics in Emerging Economies (ICEESPEEE '09) organized at SRM University, Chennai during 16th -17th April 2009.
- Presented a paper titled “Simulation and Implementation of DSP based Excitation Control System” at the International Conference on Electrical Energy Systems & Power Electronics in Emerging Economies (ICEESPEEE '09) organized at SRM University, Chennai during 16th - 17th April 2009.
- Presented a paper titled “Simulation of the Novel Scheme of DC Drive for Electric Hoist Application” in a National Level Conference “NUCONE-2008”. This conference was organized at Nirma University, Ahmedabad during 27th – 29th Nov. 2008. The conference was conducted for addressing the new technical advancements in the field of Electrical engineering.
- Presented a paper titled “Simulation of the Novel Technique for DC Drive for Crane Application” in an International Conference (TECHPOS2009) for Technical Postgraduates at the University of Malaya, Malaysia during 14th – 15th December 2009. **PAPER IS AVAILABLE ON IEEE X-plore**
- Presented a paper titled “Simulation of the Novel Technique for DC Drive for Crane

Application” in an International Conference (TECHPOS2009) for Technical Postgraduates at the University of Malaya, Malaysia during 14th – 15th December 2009.

- Paper Published titled as "Power Factor Correction by using Boost Converter" at the International Conference on: “Engineering: Issues, opportunities and Challenges for Development” on 11th April, 2015.

CONSULTANCY WORK

- TPQA for Electrical work as per IS at Dandi Memorial, Dandi Heritage, Navsari for 2019 to 2020 this project works worth Rs. 10Cr.
- TPQA for Electrical work as per IS of newly constructed Hostel, Quarters, Lecture Hall and Admin Budling at SVNIT, Surat from 2022 to till date this project work worth more than Rs. 200Cr.

SUBJECT TAUGHT

- Power Electronics
- Microprocessor and Microcontrollers
- Elements of Electrical Engineering
- Basic Electrical Engineering
- Control of Electrical Drives
- Basic Electronics