CURRICULUM VITAE

Mr. Dhaval N Tailor,
Assistant Professor,
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Academic Detail

Examination Passed	University / Board	Year of Passing	Class	Subjects / Discipline
Ph.D.	Gujarat Technological University	Pursue	-	Power System Protection
M.E.	Gujarat Technological University	2013	DIST	Power System Engineering
B.E.	Sardar Patel University	2010	FIRST	Electrical Engineering
H.S.C.	GSHSEB	2006	DIST	Science

Details of Professional Experience

Name & Address of the Employer	Designation of the post held	Period of Service	Nature of Service
Birla Vishvakarma MahaVidhyalaya (BVM), V V Nagar	Ad-hoc	June 2011 Oct. 2011	Ad-hoc Lecturer (4 Months)
A.D. Patel Institute of Technology, New V V Nagar	Pro-term Lecturer	Nov. 2011 Jane 2013	Pro-term Lecturer Full time, (1 Year 6 Month)
A.D. Patel Institute of Technology, New V V Nagar	Assistant Professor	1st July-2013 To Till date	Full time, (8 Years)

Sponsored Project

- **Design & Development of digital protection of power transformer**
  Working as Co-PI & It's sponsored by DST worth of **23,86,000/-.**

- *Co-coordinator of AICTE IDEA LAB worth of Rs.1,10,00,000/-*

Achievement

- Secured over all third rank & first rank in all girls' team in Gujarat HACKTHON 2018 under my guidance on "ONLINE POWER MONITORING SYSTEM".

- Selected for final National round from west zone in DRDO army event "DRUSE" which will held at PUNE on 24th -25th April 2018.
- Design Panel of "Stability enhancement in transmission line using single pole auto reclosing in three phase system" using STM32F405 ARM cortex in power system protection lab at ADIT.

Projects

- **Study the out of step phenomena along the EHV transmission line**
  ME Dissertation (1 Year)
  Developed MATLAB model to study stability of interconnected power system during small disturbances like Line outage, sudden increase in percentage load, switching of capacitor bank & decrease in generator output.

- **MATLAB Model Simulation of Adaptive Distance Relaying Scheme**
  BE Final Year Project (1 Year)
  Using Simulink model developed MATLAB program of an ADAPTIVE DISTANCE RELAY to simulate no load, half load, full load & fault conditions. Quadrilateral characteristic was used in relay operation.

Area of Interest

- Power system protection
- Electrical machine
- Microprocessor & Microcontroller
- ARM processor
- Arduino based programing & hardware interfacing
- Automation using PLC & Hardware Interfacing

Projects guided

- Detection of defects in solid & it's stacking using PLC & HMI
- Gesture Controlled Smart Wheelchair
- Controller based line protection using auto reclosing scheme
- Automatic generator mains changeover
- Differential protection of transformer using controller
- Radial Feeder Protection using controller
- Automated system for Air pollution detection & control
- Automatic Filler machine using PLC.
- Escalator using PLC
- Solar panel tracking using PLC
- Bascule bridge using PLC
- Colour ball sorting machine
- Moto-chair: Assistance for disabled

Proficiency

- Tools : Keil, MATLAB, Power world simulator
- Other Exposure : Simulink and Script file (MATLAB), C++
- Operating System : Windows, Word, PowerPoint, Excel
- Language Known : English, Hindi, Gujarati

Paper Publication

1. Dhaval Tailor, Vijay H Makwana, "Analysis of Faulted Power System During Simultaneous Open Conductor and Ground Fault", IET Generation, Distribution & Transmission", Volume 14, Issue 22, 13 November 2020, p. 5319 – 5326.
2. Ujjaval Patel, Dr. Pragnesh Bhatt, Dr.Nilesh Chothani & Dhaval N Tailor, "Novel Auto-Reclosing Scheme with Adaptive Dead Time Control for EHV Transmission Line" , IET Science, Measurement & Technology, partially accepted for publication.
3. Dharmesh Patel, K D Mistry, Dr. Nilesh Chothani & Dhaval N Tailor, "Adaptive Algorithm for Distribution Transformer Protection to Improve Smart Grid Stability", International Journal of Emerging Electric Power Systems, Volume 19, Issue 5, published on 04-Aug-2018
4. Ujjaval Patel, Dr. Pragnesh Bhatt, Dr.Nilesh Chothani & Dhaval N Tailor, "Emulation of Auto-Reclosing Scheme with Adaptive Dead Time Control for Transmission Line Protection" , Electric Power Components and Systems, Received 19 Feb 2017, Accepted 16 Jan 2019, Published online: 04 Mar 2019.
5. Dhaval N Tailor, Sejal Shah & Kunal Aaswani, July 2017 "GREEN HOUSE AUTOMATION USING ANDROID APPLICATION", International Journal of Engineering and Technology (IJET), Volume 9 No 3S, Page: 355-360.
6. Dhaval Tailor, Vivek Kamani, Ankit Ghetiya, Naresh Bhatiya, July 2017 "Object Sorting and Stacking Automation With PLC", International Journal of Engineering and Technology (IJET), Volume 9 No 3S, Page:197-201.
7. Ishant Sharma, Tarak Patela & Dhaval Tailor, June 2016," Differential Protection of Transformer Using Arduino", International Journal of Innovative and Emerging Research in Engineering,Volume 3, Issue 7, Page:7-16
8. Ishant Sharma, Tarak Patela & Dhaval Tailor, June 2016 "Radial Feeder Protection using Arduino", International Journal of Innovative and Emerging Research in Engineering, Volume 3, Issue 7, Page:17-25.
9. Anshul V Patel, Dr. P H Shah, Prof. D N Tailor, November 2015, "Automated system for Air pollution detection & control" International Journal of emerging technology & Advanced engineering, Volume5, Issue-11 Page: 104-109.
10. MaitreyTrivedi, Pragnesh H Shah & Dhaval Tailor, July 2014, "An Analysis of a Home Automation System using Universal Infrared Remote Control Scheme", International Journal of Advance Engineering & Research development, Volume 1, Issue 7, Page:23-29.
11. Dhaval N Tailor, Vatsal Shah & Jayna Donga, April 2014 "Effect of small disturbances on Inter-connected system "nternationa l Journa l of Advance Engineer ing and Research Development, Volume 1, Issue 3, Page:86-90.
12. Brijesh M.Patel, Minesh k. Joshi & Dhaval N. Tailor, Oct-2013 "Design and Simulation of Boost Converter for Constant Output Voltage" , International Journal of Emerging Trends in Electrical & Electronics, Volume 8, Issue 1, Page:19-24.
13. Dhaval N Tailor, Dr.Bhavesh Bhalja, Dr.Vijay Makwana, February 2012," Roll of PSS and SVC for improving the Transient Stability of Power System" International Journal of Engineering & Advanced Technology, Volume-1, Issue-3, Page: 137-140.

Delivered Expert lecture

1. I had delivered expert talk in one-day workshop "ARDUINO boards for beginners" on 21st March 2018 at GCET, organised by computer department.
2. I had delivered expert talk in one day workshop "ARDUINO board & its applications" on 24th February 2018 at GCET, organised by IT department.
3. I had delivered expert talk in one-day workshop "Hands on practice ARDUINO board" on 18th March 2017 at Birla Vishvakarma Vidhyalay (BVM), vidhyanagar organised by IT department.

Workshop/Trainings attended

Sr. No.	TITLE	DURATION	SPONSER	PLACE
1	Five days "Basic FDP on AICTE-IDEA Lab	26th -30th July, 2021	ATAL	COE, Pune
2	Five days online ATAL FDP on Internet of Things (IoT)"	13th -17th November, 2020	ATAL	Online
3	Five days online ATAL FDP on Electrical & Computer Engineering"	5th -9th October, 2020	ATAL	Online
4	Two days e-yantra workshop by IIT, Bombay	16th-17th April, 2018	IIT, Bombay	Vadodara Institute of Engineering
5	A week STTP on Exploring 32-bit microcontroller for power electronics application	21th-25th Dec, 2105	SVNIT	SVNIT, Surat
6	One week STTP on Advance microcontroller & application	7th -11th Dec, 2015	TEQIP-II Sponsored	B. V. M. Engineering College, V.V.Nagar
7	Two Week Iste Main Workshop On Control Systems	2nd -12th Dec, 2014	National Mission on Education through ICT (MHRD, Govt. of India)	. MBICT, New V.V.Nagar
8	Five-day Workshop On Automation Using Programmable Logic Controller and SCADA	19th – 24th Oct, 2015	Gujarat Council on Science and Technology (GUJCOST)	Charotar University of Science & Technology, Changa.
9	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

Details of any other innovations / activity involved

1) Lifetime member of ISTE chapter
2) Department coordinator of ISTE student chapter for last year
3) Applied for Lifetime member of IE (India) chapter

Workshops organized

Sr. No.	Workshop Title	Year	Organized by
1	Three days' Workshop on DVP14SS2 DELTA make PLC & HMI	24th to 26th March, 2018	Mr. Dhaval N Tailor EE department, ADIT
2	Two day's workshop on hands on practice on STM32F429 Discovery board	2nd – 3rd March, 2017	Mr. Dhaval N Tailor EE department, ADIT
3	ISTE sponsored "Two-day hands-on workshop on DVP14S502 DELTA make PLC	3rd -4th September, 2016	Mr. Dhaval N Tailor Mr. Jigar Mistry EE department, ADIT
4	One day workshop on Automation using programmable logic controller	1st August,2105	Mr. Dhaval N Tailor EE department, ADIT
5	"One-week STTP on Design & Development of Embedded system	30th march– 4th April, 2015	Mr. Dhaval N Tailor EE department, ADIT

Personal Particulars

Date of birth	:	13th November, 1988
Marital Status	:	Married
Permanent Address	:	4,'satsang', Sahajanand society, Behind swaminarayan temple, Jitodiya, Anand-388001
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