



PROFILE

I would like to utilize my lively and energetic attitude in being astute learner, teaching students and doing hard work with great enthusiasm.

CONTACT

EMAIL:

farha.naz@svkm.ac.in

LANGUAGES:

English, Hindi, Urdu, Marathi

POSTAL ADDRESS:

Dhule, Maharashtra

BLOG:

blogbypower.wordpress.com

SKILLS

**MATLAB – Programming & Simulink
Machine Learning with Python,**

CERTIFIED IN: COURSERA.COM

- [1] Machine Learning Foundation
- [2] Business English for Cross Culture Communication
- [3] Successful Presentation
- [4] Project: Writing a research paper
- [5] Professional English

ACHIEVEMENTS

- [1] Secured Institutional Level Third Rank in M.Tech.
- [2] 4th Rank holder of University in Electrical Engineering B.Tech.
- [3] Bronze Medalist of 100 m race at Regional level.
- [4] Once represented State at National level in Handball game.

FARHA NAZ

Assistant Professor – Electrical Engineering

- Presently working as an Assistant Professor of Electrical Engineering on Probation with Shri Vile Parle Kelavani Mandal's (SVKM) Institute of Technology (IOT), Dhule since last 6 months.
- An experience teaching professional carrying 2 academic years of teaching experience as an Assistant Professor of Electrical Engineering with Veermata Jijabai Technological Institute (VJTI), Mumbai.
- Honored with the full time M.Tech. Degree in Electrical Power Systems from the VJTI, Mumbai in July 2017 with 3rd rank and the B.Tech. Degree in Electrical Engineering with 4th University rank from MIT Purnia, Bihar

WORK EXPERIENCE

SVKM's IOT Dhule – Assistant Professor (Permanent) 10th Jun 2019 – Present Day

- ✓ Presently teaching Power Electronics (theory and labs) to TY B.Tech. students at SVKM's IOT, Dhule.
- ✓ Also teaching Basics of Electrical Engineering to FY B.Tech. students.
- ✓ Studying MACHINE LEARNING as a parallel Degree program along with students and mentoring students for the same.
- ✓ Handling departmental responsibilities in the form of:
 - i. Departmental coordinator for SPOKEN-TUTORIALS.
 - ii. Departmental Administrator of Coursera learning platform.
 - iii. Departmental coordinator of women's cell.
- ✓ Have taught Basics of Human rights and Engineering Economics in the last semester.
- ✓ Worked as a trainer in LED Fabrication Workshop.
- ✓ Completed NPTEL 12 Week Course on the subject - Fundamentals of Electrical Engineering in the month of Nov 2019

Veermata Jijabai technological Institute, Mumbai – Assistant Professor

17th Jul 2017 – 31st May 2019

- ✓ Worked as a professor for Electrical courses and lab experiments for B.Tech. students. Also taught MATLAB programming and Simulink to B.Tech. and M.Tech. Students.

Veermata Jijabai technological Institute, Mumbai – Graduate Teaching

Assistant 1st Jul 2016 – 30th Jun 2017

- ✓ Worked as an educator for Electrical courses and lab experiments for B.Tech. students. Also completed a yearlong academic project based on MATLAB programming, Simulink and a Texas instrument's DSP.

The Brihanmumbai Electric Supply & Transport Undertaking (BEST) Mumbai - Electrical Apprentice (Trainee) 5th May 2015 – 15th Aug 2015

TECHNICAL CERTIFICATIONS

[1] Python Workshop at SVKM's IOT, Dhule organized by ICT at IIT Bombay, June 2019

[2] Digital Signal Processing System Design at CDEEP, IIT BOMBAY (MHRD-TEQIP-KITE), Nov 2016.

[3] Real-time Simulation in Power Electronics at Power Electronics Dept. IIT BOMBAY (MHRD- NaMPET), May 2016.

[4] Simulation of Power Electronics Circuits at Power Electronics Dept. IIT BOMBAY (MHRD- NaMPET), May 2016.

GATE-2015

Graduate Aptitude Test Engineering

Score: **403** out of 1000
All India Rank: **8761** out of 125851

PARTICIPATION

Was a member of organizing committee of the **Faculty Development Program** at Electrical Department, VJTI Mumbai.

REFERENCES

Dr. A. N. Cheeran

Associate Professor (Electrical Department) at VJTI Mumbai
Mob. +91 9819048713
ancheeran@ee.vjti.ac.in

Santosh T. Sawant

Lecturer (Electrical Department) at VJTI Mumbai
Mob. +91 9920653088
stsawant@ee.vjti.ac.in

EXPERIENCE IN TEACHING

WITH SVKM'S IOT DHULE & VJTI MUMBAI

Department – Electrical Engineering

Assistant Professor, SVKM's IOT, Dhule – 10th Jun 2019 – Present day

Assistant Professor, VJTI, Mumbai – 17th Jul 2017 – 31st May 2019

Graduate Teaching Assistant, VJTI, Mumbai – 1st Jul 2016 to 30th Jun 2017

Teaching and Responsibilities–

- ✓ Conducted theory classes with labs & tutorials for the following subjects:

Electrical Machines	Basics of Electrical Engineering
Power Electronics	Basics of Human rights
Engineering Economics	

- ✓ Conducted labs for the following subjects:

Power System	Numerical Methods
Measuring Instruments	Control System

- ✓ Preparation of Course file for the subjects taught.
- ✓ Worked as an internal NBA coordinator for FY B.Tech. Dept.
- ✓ Attended One day online workshops conducted by IIT Bombay on: Linux, Python, eSim, Arduino, C & C++
- ✓ Worked on Electrical distribution system, Transformers and Underground and Overhead line with BEST, Mumbai during Apprenticeship.

Projects –

M.Tech. Project: A DSP Based Controller for DC-DC Converters used in Micro-grid.

- ✓ Created a virtual model of a Micro-grid with different energy sources in MATLAB and built a controlling module based on DSP for the Micro-grid.
- ✓ Worked on MATLAB for mathematical modelling and system designing, Code composer studio for communicating with TI DSP and Implemented the design on the DSP for testing.

B.E. Project: A SCADA based control for Induction Motor

- ✓ Prepared a small scale SCADA based model for Induction motor control and studied the control method employed on the induction motor.

Publications –

- ✓ Farha Naz, Dr. Alice Cheeran, Electrical Department, VJTI Mumbai, "Noise Analysis of RTD to study Degradation for Preventive Maintenance" 4th IEEE International Conference on Recent Trends in Electronics, Information, Communication & Technology, 17th May 2019.
- ✓ Farha Naz, Sarfaraz Shaikh, Dr. Alice Cheeran, Electrical Dept. VJTI, Mumbai, "DSP Based Controller for various Power Electronics Converters Used in Micro-Grid" International Journal of Recent Trends in Engineering & Research (IJRTER), Vol.02, Issue 10, pp. 18-23, Nov 2016.
- ✓ Farha Naz, Sarfaraz Shaikh, Dr. Alice Cheeran, Electrical Department, VJTI Mumbai, "A DSP based Controller for Boost converter and 3 Phase Rectifier with UPF used in Micro-grid" International Journal of Science & Engineering Development Research (IJSER), Vol.02, Issue 5, pp.497-503, May 2017.