

**Name** **Mr. RUPESH BHAGWAN INGLE**

**Designation** Assistant Professor

**Department** Electronics Engineering

**Date of Joining the Institute** 21/11/2016

**Education** BE Electronics Engineering (PES College of Engineering, Aurangabad)  
MTech Electrical Engineering (VJTI, Mumbai)  
NET (Electronic Science)

**Branch / Specialization** Electrical Engineering- Control Systems  
Control Systems, Machine Learning, Data Science, Linear Integrated Circuits, Image Processing

**Areas of Interest**

**Email** rupesh.ingle@famt.ac.in



**Academic Appointments**

Name of the University / Institute/ Industry	Duration	Designation
<b>Finolex Academy of Management and Technology, Ratnagiri</b>	<b>From 21/11/16 to till date</b>	<b>Assistant Professor</b>
<b>Atharva College of Engineering (ACOE), Mumbai</b>	<b>July 2016 to Nov 2016 Assistant Professor</b>	<b>Assistant Professor</b>
<b>Veermata Jijabai Technological Institute (V.J.T.I.), Mumbai</b>	<b>July 2014 to May 2016</b>	<b>Assistant Professor</b>

**Total Experience – 9 Years**

**Administrative Responsibility**

College/Department Level Committees/Responsibilities

1. NBA Criteria-2 and Criteria-4 member for Electrical Engineering Department.
2. Class Teacher of S.E. Electrical.
3. Internal Assessment Coordinator for Electrical Engineering Department.
4. NAAC Criteria -2 member for ETRX Department.
5. UiPath Academic alliance trainer for ETRX Engineering Department.

6. Infrastructure Committee member for ETRX Department. The role is to: 1. Keeping updated records of infrastructure available in the institute. 2. Dead stock verification, Procedure development, monitoring, and report submission of assets. from 13/05/2017 to 03/01/2022.
7. Departmental coordinator for Department of Lifelong Learning (DLEE) cell at FAMT. The work of the committee is to conduct extension and outreach programs useful for society and for holistic development of students. from 13/07/2018 to 03/01/2022.
8. Departmental coordinator for Attendance committee of FAMT. The role is to: 1. Create awareness among students about prescribed guidelines to maintain minimum attendance for various types of scholarship. 2. Effective use of ERP software. from 25/07/2018 to 03/01/2022.
9. CAP in-charge for university CAP at FAMT from 10/11/2019 to 02/01/2020.
10. Timetable Coordinator for ETRX Department from 01/07/2017 to 03/01/2022.
11. Departmental coordinator in Academic Diary Committee at FAMT. from 01/07/2018 to 01/01/2020.

### Awards / Honors / Prizes

1. **Top 1% with Silver Medal** in Swayam course "**Python for Data Science**".
2. Awarded an "**Elite Certificate**" in **NPTEL Online 8 Week Certification Course** conducted from August'17 to September'17 in the subject "**Basic Electrical Circuits**".
3. Awarded an "**Elite Certificate**" in **NPTEL Online 12 Week Certification Course** conducted from August'17 to October'17 in the Subject "**Control Engineering**".

### Papers Published - 03

#### International Journals – 02

1. Paper titled "Cup Segmentation by Gradient Method for the Assessment of Glaucoma from Retinal Image" International Journal of Engineering Trends and Technology, volume 4 issue 6-2013
2. Paper titled "Performance Evaluation of single Phase Bipolar and Unipolar SPWM Inverter" in International Journal for Science and Advance Research in Technology (IJSART) Vol-12, issue 3, Dec. 2017

#### National Conferences – 01

Paper Presented titled "Performance Evaluation of Single Phase Unipolar and Bipolar PWM Inverter", in national conference CTRD2K17 at RMCET Ambav, Held in Dec. 2017

### Number of FDPs, STTPs, Workshops, Seminars, Orientation Program Attended – 21

#### FDPs - 06

1. FDP on "Python for Data Science" conducted from July-Aug 2022 by NPTEL-AICTE.
2. ATAL FDP on "Electric Vehicles- The Future of Mobility" from 03-07 Jan 2022 at RIT Sakharale.
3. ATAL FDP on "Fundamentals of Electric Vehicle Technology" from 06-10 Dec 2021 at IIIT Bhagalpur.
4. "Advancement's in IOT, Cyber Security and Drone Technology" conducted by Lokmanya College of Engineering, Navi Mumbai on 07-12 June 2021.
5. "Moodle Learning Management Systems" held on 27 April to 02 May 2020 by Vidyavardhini COE & IIT Bombay.
6. "Introduction to Machine Learning" held on 16-17 December 2017 by IIT Kharagpur.

### **STTPs - 01**

1. One Week STTP on "Designing IOT Based Applications for Smart Cities" at FAMT Ratnagiri on 29 Jan to 02 February 2018.

### **Workshops - 08**

1. "Embedded Systems-An Application Driven Approach" in August 2021.
2. "One Day Workshop on Arduino" through Spoken Tutorial by IIT Bombay held in February 2020.
3. "One day Workshop on R" through Spoken Tutorial by IIT Bombay held in November 2019.
4. "One day Workshop on eSim, a First Course in the IoT Series for Teachers" through Spoken Tutorial by IIT Bombay held in September 2019
5. "Workshop on Python" through Spoken Tutorial by IIT Bombay June 2019.
6. "Embedded C Programming and Applications Development" held at FAMT in September 2018.
7. "Nonlinear Dynamical Systems: Modeling and Analysis" held at VJTI in May 2013.
8. "2nd Winter School on Control and Dynamical System-2012" held at IIT Bombay in January 2012.

### **Seminars / Webinars - 05**

1. "Image Classification using Edge Impulse (An Application of IoT and Machine Learning)" by The IoT Academy on 03 July 2022.
2. "IP Awareness/Training program" on 08 April 2022 by FAMT Ratnagiri under National Intellectual Property Awareness Mission".
3. "How To Develop Effective Research Skills" by Lokmanya COE on 28 June 2020.
4. "Cyber Security" by FAMT Ratnagiri held on 20 June 2020.
5. "Artificial Intelligence (AI) and Machine Learning (ML)" by LLAGT on 06 July 2020.

### **Orientation, Training Program - 02**

1. Attended Orientation program for the subject "Principles of Control Systems" of T.E. Electronics Engineering on 27<sup>th</sup> July 2020.
2. Attended Orientation program for the subject "Basics of Electrical Engineering" of F.E. Engineering at Bharti Vidyapeeth, Kharghar on August 2016.

### **Number of Workshops, Seminars, Training Conducted – 02**

1. Conducted workshop "Python and Its Application in DSP" on 10th October 2021.
2. Conducted workshop "Introduction to Data Science and its application in Electrical Engineering" on 06th October and 07th October 2022.

### **Number of Professional Certification Courses – 18**

#### **NPTEL - 03**

1. 4-Week Swayam course on "Python for Data Science" conducted from July-Aug 2022.
2. 8-Week NPTEL Course "Basic Electrical Circuits" conducted from August'17 to September'17.
3. 12-Week NPTEL Course "Control Engineering" conducted from August'17 to October'17.

### Coursera / IBM Skill-Build / Infosys Springboard / Simplilearn - 15

1. Coursera course offered by IBM on "Excel Basics for Data Analysis".
2. 7-week course on "Programming for Everybody (Getting Started with Python)" conducted by University of Michigan in association with Coursera
3. 7-week course on "Python Data Structures" conducted by University of Michigan in association with Coursera
4. 6-week course on "Using Python to Access Web Data" conducted by University of Michigan in association with Coursera.
5. 5-week course on "Using Databases with Python" conducted by University of Michigan in association with Coursera.
6. 7-week course on "Capstone: Retrieving, Processing, and Visualizing Data with Python" conducted by University of Michigan in association with Coursera.
7. 4-week course on "Python Basics" conducted by University of Michigan in association with Coursera.
8. 5-week course on "Python Functions, Files, and Dictionaries" conducted by University of Michigan in association with Coursera.
9. 3-week course on "Data Collection and Processing with Python" conducted by University of Michigan in association with Coursera.
10. 3-week course on "Python Classes and Inheritance" conducted by University of Michigan in association with Coursera.
11. 3-week course on "Python Project-Pillow, tesseract and OpenCV" conducted by University of Michigan in association with Coursera.
12. 6-week course on "Crash Course on Python" conducted by Google in association with Coursera.
13. "Math Refresher" Course by Simplilearn.
14. "Data Science 101" by IBM Skillbuild.
15. "Introduction to Data Science" by Infosys Springboard.

### Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience (Years)
1.	Control Systems (CS)	T.E. EXTC	1
2.	Analog Integrated Circuits & Applications (AICA)	T.E. EXTC	2
3.	Electronics Measurements & Instrumentation (EMI)	T.E. EXTC	1
4.	Basics Of Electrical Engineering (BEE)	First Year Engineering	2
5.	Advanced Instrumentation System (AIS)	T.E. ETRX	1
6.	Digital Control Systems (DCS)	T.E. ETRX	3
7.	Computer Organization & Architecture	S.E. IT	1
8.	Electronics Instruments & Measurements (EIM)	S.E. ETRX	2
9.	Mobile Communication	B.E. ETRX	1

10.	Instrumentation System Design	B.E. ETRX	<b>3</b>
11.	Linear Control Systems (LCS)	S.E. ETRX	<b>2</b>
12.	Internet of Things	B.E. ETRX	<b>2</b>
13.	Computer Organization & Architecture	T.E. ETRX	<b>1</b>
14.	Python Programming	S.E. ELECT	<b>2</b>
15.	Analog Electronics	S.E. ELECT	<b>1</b>
16.	Digital Electronics	S.E. ELECT	<b>1</b>
17.	IoT	B.E. ELECT	<b>1</b>