



Vinita Ameya Vartak

M.E (Instrumentation & Control)

B.E. (Instrumentation)

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Designation : Assistant Professor in Instrumentation Engineering Department.

Experience : Educational 15 Years
Industry 4.5 Years

Areas of Interest: Internet of things, Process Instrumentation, Embedded System, Basic Electrical Engineering, C Programming, Python Programming

FDP & CONFERENCE ATTENDED

INDUSTRIAL TRAINING: -

1. One week industrial training on DCS,PLC, Field Instrumentation and Industrial Automation from 02nd-06th December 2019 at Sajjan India Ltd Ankleshwar Gujarat

COURSES: -

1. “Introduction to Internet of things and embedded systems” course completed from Coursea in May 2020.
2. MATLAB Onramp course from MATLAB completed.
3. Industry 4.0 course from TATA Steel completed in April 2020.
4. Completed Universal Human Values course 3rd to 7th January 2022

STTP:-

1. 5 days Short Term Training Program on “MATLAB based Teaching-Learning in Mathematics, Science & Engineering” organized by Department of Electronics Engineering,

Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with Design Tech Systems Pvt. Ltd., Mumbai during 18th to 22nd May 2020.

2. 5 days Short Term Training Program on “Internet of things(IOT) & it’s applications in industry” organized by Department of Instrumentation Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai & B & R automation Pvt. Ltd., Pune during 8th to 12th June 2020.

FDP:-

1. One-week faculty development program on “Machine Learning with IoT” organized by Department of Computer Engineering and Department of Information Technology from 16th -20th December 2019
2. One Week Faculty Development Program on “Spoken Tutorial Technology” organized by Department of Mechanical Engineering of Smt. Kashibai Navale College of Engineering in association with Spoken Tutorial IIT Bombay from 18th to 22nd May 2020.
3. One Week Faculty Development Program on “Data Science with Python” organized by Department of Computer Engineering of Terna Engineering College in association with Techno Gurus Tutorials, Thane from 18th to 22nd May 2020.
4. One Week Online Faculty Development Program on “Innovative trends in engineering and technology” organized by IQAC, Shree. L. R. Tiwari College of Engineering from 25th May to 29th May, 2020.
5. AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things(IOT)" from 25th May to 29th May 2020 at Dr.Babasaheb Ambedkar Technological University, Lonere.
6. Two Week Online Faculty development program on “Prayog– Experiments on click” - Using Virtual Labs from 18th May 2020 to 27th May 2020 organized by Department of Instrumentation Engineering, Vidyavardhini’s College of Engineering and Technology, Vasai, (NC-17) in association with College of Engineering, Pune(COEP).
7. One-week Online Faculty Development Program on "Opportunities & Challenges in Electronics & Allied Industries in India post COVID-19"from 25th to 30th May 2020 organized by Department of Electronics Engineering in association with Institution’s Innovation Council (IIC)of Vivekanand Education Society's Institute of Technology.
8. Two Week Online Faculty development program “Automatus 2020 - Make Automation Yours” based on SCADA and PLC training from 1st June 2020 to 12th June 2020 organized by Department of Instrumentation Engineering, Vidyavardhini’s College of Engineering and Technology, Vasai, in association with Cierito Control & Solutions, Omron Automation Pvt. Ltd. and Allied Electricals.
9. One Week Online Faculty Development Program on “Engineering Education & the Industry: A Post COVID-19 Perspective” held during 1 June, 2020 to 5 June, 2020 at MCT’s Rajiv Gandhi Institute of Technology Andheri (West) Mumbai.
10. Three Days Faculty Development Program on “e-learning: Managing online classes and creating e-contents” Organized by “IQAC and Department of Information Technology” of MCT’s Rajiv Gandhi Institute of Technology, Mumbai held from 5th July to 7th July 2020.

11. Six Days Faculty Development Program on “AI & Data Science-The Future of Tomorrow” Organized by department of Computer Engineering of MCT’s Rajiv Gandhi Institute of Technology, Mumbai held from 29th July to 31st July 2021 and 5th August 2021 to 7th August 2021.

WEBINAR:-

1. One-day webinar on “IT trends post covid”, Organized by Department of Computer Applications, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai on 6th May 2020.
2. Four days webinar series on “IT and IPR 2020” organized by IQAC, Shree. L. R. Tiwari College of Engineering from 5th May to 8th May, 2020.
3. One-day webinar on “Use of excel skills in Research”, organized by Universal College of Engineering, Kaman on 12th May 2020 in association with Maharashtra Association of Minority Educational Institutes.
4. One day webinar on “Star certified DevOps Exert 2.0”, organised by star certification on 13th May 2020.
5. Three day “Tech Talk 2020 Webinar Series” organized by Department of Instrumentation Engineering from 13th to 15th of May 2020 at Vidyavardhini’s College of Engineering & Technology Vasai.
6. One day webinar on “IOT-Mechanical Engineering Prospective & Case Studies”, organized by Department of Mechanical Engineering, Amrutvahini College of Engineering, Sangamner on 15th May 2020.
7. One day webinar on “NAAC: Systematic Data Organization and Presentation”, organized by IQAC, Vidyalkar Institute of Technology, Mumbai on 16th May, 2020.
8. Two days webinar on "Startup Lifecycle and Patent Registration “jointly organized by ACE Innovation Cell, IPR Cell, ACE Institution Innovation Council- MHRD, ACE- Incubation Center- MSME, IEDC-DST, ACE Ember Ecell NEN, Atharva College of Engineering held on 18th - 19th May 2020.
9. One day webinar on “Insights & Data Visualization” organized by Department of Computer Engineering, SLRTCE on 19th May, 2020.
10. One day webinar on ‘Transaction Analysis in Education’ organized by Internal Quality Assurance Cell on 26th May 2020 at Vidyavardhini’s College of Engineering & Technology Vasai.

WORKSHOP:-

1. Two Days National Workshop on “Trends in Cyber Security” Organized by “IQAC and Department of Information Technology” of MCT’s Rajiv Gandhi Institute of Technology, Mumbai held on 13th & 14th June 2020
2. Five days online workshop on Universal Human Values on the theme “Inculcating Universal Human Values in Technical Education” during 2nd to 6th July, 2020 as organized by All India Council for Technical Education(AICTE).

3. Five days online workshop on Universal Human Values on the theme “Inculcating Universal Human Values in Technical Education” during 14th to 18th June, 2021 as organized by All India Council for Technical Education(AICTE).

ORIENTATION

Attended Online Orientation Program “ISM 301-MINI PROJECT 1 A AND ISM401-MINI PROJECT 1 B” organized by RAIT & VESIT on 15th July 2020.

PUBLICATIONS:-

- Published **IEEE** paper titled "Comparison and selection of appropriate PID controller for Nonlinear Unmanned Ground Vehicle" in ICSCET-2018 on January 2018.

EXTRA CURRICULAR ACTIVITIES:

- Training coordinator for instrumentation students
- Worked as Exam coordinator for online Exam conduction.
- Worked as S.E. Mini project coordinator for the department.
- Worked as Basic Electrical Engineering Subject convener
- Working as C Programming Subject convener
- Department Library In-Charge
- Working as Departmental G-Suite coordinator
- Working as Departmental Time-Table In charge
- NAAC Criteria-II department coordinator
- Class Advisor
- Departmental e-notice In-charge
- Institute sports committee member
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ACHIEVEMENTS:

1. NPTEL course on “**Introduction to Internet of Things**” of 12 weeks is successfully completed with 76 %
2. NPTEL course on “**Microprocessors & Microcontrollers**” of 12 weeks is successfully completed with 70 %
3. NPTEL course on “**Python for Data Science**” of 4 weeks is successfully completed with

62 %

4. NPTEL course on “**Problem Solving through Programming in C**” of 12 weeks is successfully completed with 76 % (Top 5% topper)

PATENTS DEVELOPED: -

“**SMART IOT-ENABLED ATTENDANCE SYSTEM UTILIZING RFID TECHNOLOGY**” -(Published—07/2024)-India Patent Application no.-202421051456