

## Curriculum Vitae

**Name:** Shital Mohan Mule

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**Date of Birth:** 19.03.1990



### Academic Credentials

| Class/<br>Degree | Specialization                          | Institution                   | Univer<br>sity                         | Year | %/CGPA         | Class                              |
|------------------|---|-------------------------------|--|------|----------------|------------------------------------|
| M.E.             | Control<br>System                       | M.B.E.S. C.O.E.<br>Ambajogai. | Dr.<br>B.A.M.<br>U.<br>Auranga<br>bad. | 2015 | 9.05<br>(CGPA) | First Class<br>With<br>Distinction |
| B.E.             | Electrical,<br>Electronics and<br>Power | M.B.E.S. C.O.E.<br>Ambajogai. | Dr.<br>B.A.M.<br>U.<br>Auranga<br>bad. | 2012 | 82.67          | First Class<br>With<br>Distinction |

### M. Tech. Project:

Sliding Mode Control based Maximum Power Point Tracking of PV System

### Key Research Areas:

Control System, Power System

### Experience

| Sr. No. | Organization                                    | Post        | From       | To         | Years   | Months   |
|---------|---|-------------|------------|------------|---------|----------|
| 1       | Marathwada<br>Institute of<br>Technology, A'bad | Asst. Prof. | 10-12-2012 | 18-10-2013 |         | 8 months |
| 2       | Marathwada<br>Institute of<br>Technology, A'bad | Asst. Prof. | 17-05-2014 | Till date  | 8 years | 3 months |

### **List of Courses Taught/Teaching at UG level**

- Power System Operation and Control
- Control System
- Power System
- Basic Electrical Engineering
- Recent Trends in Power System

### **List of Courses Taught/Teaching at PG level**

- DC Drives
- Electric Hybrid Vehicles

### **Additional Assignments/Duties**

- Working as a Departmental Training, Placement and Entrepreneurship Coordinator
- Working as a member of First Year Admission Committee
- Working as member of Departmental Academic Monitoring Committee
- Working as Departmental Library In charge
- Worked as a Class Teacher.
- Worked as Class Test Coordinator
- Worked as Term Work Coordinator
- Worked as trainer for Suryamitra Skill Development Program.
- Worked as an organizing committee member for various Events.

### **Membership of Professional Bodies**

Member of IAENG (International Association of Engineers)

### **Research Projects/Projects Guided**

NIL

## **Computer/Software Proficiency**

- C Programming

## **Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended**

- FDP on "Research Methodology and Techniques" organized by Sandip Institute of Engineering and Management Nashik from 04<sup>th</sup> -06<sup>th</sup> July 2020 (3 Days)
- FDP on "Renewable Energy Application in Smart Grid, Micro Grid and EVs" organised by GMR Institute of Technology, Rajam from 13<sup>th</sup> -17<sup>th</sup> July 2020 (5 days)
- Workshop on "Incorporating Universal Human Values in Education" by AICTE from 12/10/2020 to 16/10/2020
- One Week Online FDP on "Electric Vehicle Technology", organised by Department of Electrical Engineering, Nanasaheb Mahadik College of Engineering , Sangli from 5th to 9th July, 2021
- ATAL FDP on "Advances in Electrical Vehicle Technology(Basics of Electrical Vehicles-II)" organized by Thapar Institute of Engineering and Technology, Pataiala from 25/02/2022 to 01/03/2022
- Five Days National Level Faculty Development Program on "Renewable Energy for Sustainable Development" organized by BIGCE Solapur from 01/03/2022 to 05/03/2022
- Three Day National Level Workshop on "Design and Implementation of Solar Rooftop System" organized by Parul Institute of Engineering and Technology (Diploma Studies) from 10/03/2022 to 12/03/2022
- FDP on "Research Methodology and Techniques" organized by Sandip Institute of Engineering and Management Nashik 04<sup>th</sup> -06<sup>th</sup> July 2020 (3 Days)
- FDP on "Renewable Energy Application in Smart Grid, Micro Grid and EVs" organised by GMR Institute of Technology, Rajam 13<sup>th</sup> -17<sup>th</sup> July 2020 (5 days)
- Workshop on "Incorporating Universal Human Values in Education" by AICTE from 12/10/2020 to 16/10/2020
- One week STTP on Implementation of IoT using Raspberry Pi from 31/12/2018 to 4/1/2019

- One day Fronius Training Program conducted by Adiurja Pvt. Ltd on 4/12/2019
- ISTE workshop on Electrical Power System conducted by IIT Kharagpur 12/6/2017 to 15-07-2017
- Foundation Program in ICT for Education conducted by IIT Bombay from 8/3/2018 to 12/4/ 2018
- Pedagogy for Online and Blended teaching learning process conducted by IIT Bombay from 3/5/2018 to 30/5/2018
- FDP on "Embedding Research and Development in Academic Environment "organized by EEE Department, Sir M Visveshwaraya Institute of Technology, Bengaluru. 01st - 03rd June 2020 (3 days)
- FDP on "International Online FDP on Industrial Relevance of Electrical Engineering", organized by EEE Department, BVRIT College of Engineering for Women, Hyderabad. 15th -20th June 2020 (1 week)
- FDP on "Renewable Energy Systems" Organized by The Institution of Green Engineers in collaboration with Palimar Institute of Technology. 08th -12th June 2020 (5 days)
  - FDP on "Present Control Systems in Industry and Research Prospective" organised by S.V.C.E.T. Shrikakulam Andhra Pradesh 21st -23rd June 2020 (3 Days)
  - FDP on "A Journey into Manufacturing Sector in India in view of Industry 4.0 Practices and Covid-19"organised by Dwarkdas J. Sanghvi College of Engineering, Vile Parle Mumbai 09th -13th June 2020 (5 Days)
  - FDP on "PLC Programming and Industrial Automation" organised by Sri Eshwar College of Engineering, Coimbatore 16th -20th June 2020 (5 days)
  - FDP on "Harnessing Solar Energy for reducing Carbon Footprint" organized by Shree Shankaracharya Technical Campus Bhilai. 16th -20th June 2020 (1 week)
- 4 day STTP on "LATEX for Everyone" Organized by Department of engineering Sciences, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai from 18/06/2020 to 20/06/2020 18/06/2020 to 20/06/2020
- FDP on "New Challenges and Issue of Indian Electricity Market for Upcoming Decade-

2030"organised by EE Department, Sandip Institute of Technology and Research Centre, Nashik 11th-15th May 2020 (5 Days)

- 4 week Online Training on "Advanced Excel from 25/05/2020 to 24/06/2020, organized by IntershalaTrainings 25/05/2020 to 24/06/2020 Webinar on "Advanced Digital Content Creation Tools and Techniques for Education", organized by AISSMS College of Engineering Pune in association with The Institute of Engineering (India) and ioCare, Pune on 31st May 2020 31/05/2020
- Webinar on "Holistic Energy Management" organized by EE Department, K K Wagh Institute of Engineering Education and Research Nashik on 20th May 2020 20/05/2020
- Webinar Series on "Essentials of Soft Skills, Interpersonal Skills and Laboratory Documentation in line with NBA Accreditation”, organized by Automobile Engg. Department, Rajarambapu Institute of Technology, Sangali from 26th-30th May 2020 26/05/2020 to 30/05/2020
- Webinar on "Insight to Industrial Motor Drives", organized by EEE Department, Sri Venkateswara College of Engineering, Tirupati on 15th June 2020 15/06/2020
- Webinar on "Effective Conduct of Online Classes" organized by EEE Department, Sri Eshwar College of Engineering, Coimbatore on 20th June 2020 20/06/2020
- Webinar series on International Webinar series on "Emerging Green Technologies for Smart Cities" organized by RVS College of Engineering and Technology, Coimbatore and New Horizon College of Engineering, Bengaluru from 16th-20th June 2020 16/06/2020 to 20/06/2020
- Webinar on "Hybrid Electric Vehicles-Electrifying the Mobility in India" organized by K.S.R.M. College of Engineering Kadapa on 08th June 2020 08/06/2020
- Webinar on "Impact of Global Pandemic on Engineering" organized by G.S.Mandal’s Maharashtra Institute of Technology Aurangabad on 06th May 2020 06/05/2020
- Webinar on "How to write a Good Research Project Proposal for getting Grants" organized by Team LLAGT on 03rd August 2020 03/08/2020
- Webinar on “NAAC Revised Accreditation Guidelines& Role of IQAC in Post COVID-19 Era” , organized by IQAC cell by Vincent Pallotti College of Engg. Nagpur
- Online Course on "Learn to Design your own Solar Home System", organized by Energy

Swaraj Foundation on 07th May 2020 07/05/2020

- Workshop on “Effective and Efficient Online Teaching in the Age of Corona: A Hands-On Workshop” by IIT Bombay on 16/05/2020. 16/05/2020.
- "The Bodhitree and SAFE Tools for Effective Online Teaching: A Hands on Workshop" on 21/06/2020 organized by Teaching Learning Centre (IT) at IIT Bombay 20/06/2020

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized

- One day CEP on Power System Analysis using ATP-EMTP software on 2<sup>nd</sup> Jan 2020
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### **Invited talks delivered**

Conducted a crash course for Second year Polytechnique students

### **Projects, Research Grants and Consultancy**

NIL

### **Intellectual Property Rights**

Nil

| <b>Sr. No.</b> | <b>Registration Number</b> | <b>Detailed Work</b> | <b>Publication Date</b> |
|----------------|----------------------------|----------------------|-------------------------|
| 1              |                            |                      |                         |
| 2              |                            |                      |                         |

### **List of Research Publications**

**Papers in National/ International Journal**



- Aakanksha R. Vaishnav, Dr. S. M. Badave, Prof. S. M. Mule “Speed Control of BLDC Motor using PI and Fuzzy Logic Controller” ,The International journal of analytical and experimental modal analysis ISSN NO:0886-9367, Volume XIV, Issue I, January/2022  
Page No: 41
  - Aakanksha R. Vaishnav, Dr. S. M. Badave, Prof. S. M. Mule “Speed Control of BLDC Motor using PI and Fuzzy Logic Controller with Hardware Implementation”, The International journal of analytical and experimental modal analysis, Volume XIV, Issue I, January/2022 ISSN NO:0886-9367, Volume XIV, Issue I, January/2022, ISSN NO:0886-9367, Page No: 1460
  - Shital M. Mule, Prof.S.S.Sankeshwari “Sliding Mode Control based Maximum Power Point Tracking of PV System”, IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)e-ISSN: 2278-1676,p-ISSN: 2320-3331, Volume 10, Issue 4 Ver. II (July – Aug. 2015), PP 58-63
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### Papers in International Conferences Proceedings

- Arjun Hanumantrao Kardile, Abolfazl Zargari Khuzani, Shital Mohan Mule “SMC Based Nx Converter”, International Conference on Inventive Computing and Informatics, Coimbatore, 2017.

Bibliography: Proceedings of the International Conference on Inventive Computing and Informatics (ICICI 2017) IEEE Compliant-Part Number: CFP17L34-ART, Coimbatore, 2017.

- Arjun Hanumantrao Kardile, Abolfazl Zargari Khuzani, Shital Mohan Mule, “Sliding Mode Control Based 2Nx Interleaved Boost Converter for Solar PV Applications”, Second International conference on Intelligent computing and Control Systems (ICICCS 2018)

Bibliography: Proceedings of International Conference on Inventive Computing and Informatics Systems (ICICCS 2018). DVD Part Number: CFP18K74-DVD, IEEE DVD.

- Mahajan Sagar Bhaskar Ranjana, S. M. Badave, Pandav Kiran Maroti, S. M. Mule, Rishi M. Kulkarni

“DC-DC Current Buck Converter Through Duality Approach and its DC Transformer Modelling for Current Based Loads”,IEEE International Conference on Circuit, Power and Computing Technologies ICCPCT 2016

- Arjun H Kardile, Shital M. Mule, R. M. Nagrale, U.D.Shiurkar , “ Small Hydro Power Plant Control based on fuzzy sliding mode controller using particle Swarm Optimization Algorithm”, IEEE International Conference on Electrical Electronics, and Optimization Techniques (ICEEOT) – 3<sup>rd</sup> -5<sup>th</sup> March, 2016.

- Mahajan Sagar Bhaskar Ranjana, S. M. Badave, Pandav Kiran Maroti, S. M. Mule, Rishi M. Kulkarni, “ DC-DC Current Buck Converter Through Duality Approach and its DC Transformer Modelling for Current Based Loads”, IEEE International Conference on Circuit, Power and Computing Technologies ICCPCT 2016

### Books/ Book Chapter

NIL

### NPTEL Certification

| Start Date  | End Date        | Duration<br>(in Weeks) | Course Name                                    | Marks<br>(Out of 100) | Performance  |
|-------------|-----------------|------------------------|--|-----------------------|--------------|
| Aug 2019    | October<br>2019 | 12                     | Accreditation and<br>Outcome Based<br>Learning | 95                    | Gold         |
| 18 Jan 2021 | 12 Feb<br>2021  | 4                      | Product Design<br>Engineering                  | 78                    | Elite+Silver |

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## Awards, Achievements and Recognition



Date:

Place: Aurangabad