



Department of First Year Engineering

Faculty Profile

Prof. Almas Ambreen


Ph.D (Pursuing)

ME (Power Electronics and Drives)

Assistant Professor

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- https://scholar.google.co.in/citations?view_op=new_profile&hl=en



ResearchAreas/ Areas of Interest

Sliding Mode Control, Disturbance Observer

Personal Details

Date of Birth : 16 / 01 / 1992

Domicile: Maharashtra

Gender : Female

Blood Group: B-ve

Contact Details: Amyra Residency Bhagodyanagar Kondhwa,Pune.

**Academic Background
Qualifications**

| S. NO. | Qualification | Specialization | University | Class/Grade | Year of Passing |
|--------|---------------|------------------------|------------|----------------------------|-----------------|
| 1 | M.E. | Electrical (PED) | SPPU | 1st class with distinction | May 2016 |
| 2 | B.E. | Electrical Engineering | SPPU | 1st class | May 2013 |

Work Experience

| S. No. | Type of Experience | Years | Months |
|--------------|--------------------|-----------|-----------|
| 1 | Teaching | 6x | 09 |
| 2 | Research | -- | -- |
| 3 | Industry | -- | -- |
| 4. | Others | -- | -- |
| Total | | 6x | 09 |
| | | | |

Subjects/Courses Taught

| S. No. | Subject | UG/PG | Class (FE/SE/TE/BE/ME) | No of times Subject Taught |
|--------|------------------------------|-------|------------------------|----------------------------|
| 1 | Basic Electrical Engineering | UG | FE | 14 |
| 2 | Project Based Learning | UG | FE | 03 |

Research Publications

| | National | International | State | SCI/ Scopus Indexed | UGC Approved |
|--------------------|----------|---------------|---------------|---------------------------|-----------------|
| Journals | -- | -- | -- | -- | -- |
| Conferences | -- | 04 | MH, UP, TN | 01 | -- |

Publication Details (Journals)

| S. No | Document Details | Authors | Year | Source Details | ISBN/ ISSN | Publisher |
|-------|------------------|---------|------|----------------|---------------|-----------|
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Publication Details (Conferences)

| S. No | Document Details | Authors | Year | Conference Details | ISBN | Organised By |
|-------|-----------------------------------------------------------------------------------------------------|------------------------------------|------|--------------------------------------------------------------------------------------------------|-------------------|----------------------------|
| 1. | Robust control of industrial mechatronic drive unit system with generalized extended state observer | Almas Ambreen, AA Godbole | 2016 | 2016 International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT) | 978-1-5090-2080-5 | I2IT Pune, MH |
| 2. | Disturbance Observer | Almas Ambreen, | 2016 | 2016 2nd International | 978-1-5090- | GLA University Mathura, UP |

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| | Augmented Sliding Mode Control for Mismatched Uncertain System | AA Godbole | | Conference on Communication Control and Intelligent Systems (CCIS) | 3210-5 | |
| 3. | “Higher Order Sliding Mode Control of Mismatched Uncertain System Employing Disturbance Observer” (Paper ID) ICICCS-0492” | Akshay Vilas Shebe A.A Godbole. Almas Ambreen. | | International Conference on Intelligent Computing and Control Systems [ICICCS 2019] | ISBN 978-15 386-81 13-8 | Vaigai College of Engineering, Madurai, India |
| 4. | “Review of Robust Control Techniques for DC DC Converter | Almas Ambreen. A.A Godbole | | National Conference on “Advances in Science, Engineering and Technology for sustainable Development (NCASETSD-2022) | | Government College of Engineering Karad |

PhD / ME / BE Student Guided for Project

| Level | Ph.D. | M.E. (PG) | B.E. (UG) |
|-----------------------|-------|-----------|-----------|
| No. of Student guided | -- | -- | -- |

Professional Memberships

| Professional Body | Level (National/ International) | Type (Fellow/Life/Annual) | Membership No. |
|--------------------------|---------------------------------------------|--------------------------------------|-----------------------|
| IETE | National | Life | AM-502260 |
| SESI | National | Life | LM/2598/2021 |

Patents/IPR Filed/Granted

| S. No | Investigator Details | Title | Year | Status (Filed/Granted) | Details |
|--------------|-----------------------------|--------------|-------------|------------------------------------|----------------|
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Books Published

| S. No | Title | Name of the Publisher | ISBN/ISSN Number |
|--------------|--------------|------------------------------|-------------------------|
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Research Grants Received

| S. No | Program | Duration | Funding Agency | Grant Amount |
|--------------|----------------|-----------------|-----------------------|---------------------|
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Details of Workshop/STTP/FDP/Seminar / Conferences Organized

| S. No | Title | Type | Duration | Level (State/National/ International) | Sponsoring Agency |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|------------------------------------------------------|-------------------------------|
| 01 | Faculty Orentation Workshop on Revised Curriculum of Basic Electrical Engineering | Worksh op | Half Day | University level | AissmsCOE |
| 02 | National Level Online Quiz on "Basic Electrical Engineering (BEE)" organized by the Department of First Year Engineering | Quiz | 4-5 Days | National Level | AissmsCOE FE Department |
| 03 | National Level Online Webinar on "Motivational Talk by Raghvan Koli" organized by the Department of First Year Engineering | Webina r | 8th June 2020 | National Level | AissmsCOE FE Department |
| 04 | National Level Online Webinar "Career in Government Sector -If choose Graduation in Engineering" by "Bhushan Sureshkumar Dhoot" organized by the Department of FE | Webina r | 1st August 2020 | National Level | AissmsCOE FE Department |

Contribution as Resource Person

| S. No. | Place/ Organization | Topic | Level(National/Int/ State/Regional) | Date |
|--------|---------------------|-------|-------------------------------------|------|
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Details of Workshop/STTP/FDP/Conferences Attended

| S.N | Title | Type | Duration | Organizer | Sponsoring Agency |
|-----|------------------------------------------------------------------------------|------|------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------|
| 1 | Vision-Mission-PEO-PsSO-P O-CO: Framing, Mapping, Assessment and Attainment | FDP | 10-15 June 2019 | AISSMS College of Engg, Pune | ISTE |
| 2 | FDP on LaTeX | FDP | 26-04-20 to 01-05-20 | AISSMS COE and Spoken Tutorial Project, IIT Bombay | National Mission on Education through ICT, MHRD, Govt. of India. |
| 3 | FDP on MOODLE | FDP | 26-04-20 to 01-05-20 | AISSMS COE and Spoken Tutorial Project, IIT Bombay | National Mission on Education through ICT, MHRD, Govt. of India. |
| 4 | Technical Teacher's Training | FDP | 22nd to 27th May, 2020 | VVIT, Pal | FREE |
| 5 | Solar Energy and Energy bill Audit | FDP | 25 th to 27 th May, 2020 | PCCOE Nigdi | FREE |
| 6 | Paradidgm Shift in Higher Education Institutes: Opportunities and Challenges | FDP | 1 st to 12 th June 2020 | D Y Patil Pimpri | FREE |

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| 7 | Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education | FDP | 01-05 June 2020 | AISSMS COE | ISTE & IEI |
| 8 | Introduction to VHDL & FSM | FDP | 20 th and 21 st June 2020 | SVERI's College of Engineering (Polytechnic), Pandharpur | FREE |
| 9 | E- Learning and ICT Tools for Effective Teaching and Learning | FDP | 29 th & 30 th June 2020 | Green Heaven Institute of Management and Research | Bajaj Steel Industries Ltd |
| 10 | Research Opportunities In Advanced Manufacturing Processes | FDP | 22nd June, 2020 To 28th June, 2020 | Bharati Vidyapeeth College Of Engineering, Pune | FREE |
| 11 | Waste Management & its Impact on the Environment | FDP | 20 th to 25th July 2020. | G. H. Raison College of Engineering, Nagpur | Institution of Engineers (India), Nagpur Local Centre & Indian Water Works Association (IWWA), Nagpur Centre |
| 12 | Research in Energy Technologies | FDP | 6th July, 2020 to 11th July, 2020 | Bharati Vidyapeeth College Of Engineering, Pune | FREE |
| 13 | Writing and Publishing Quality Research Papers in Scholarly Top Tier Journals | FDP | July 19, 2020 to July 20, 2020 | RMD Sinhgad School of Engineering, Warje | FREE |
| 14 | Developing Soft Skill and Personality' | FDP | 8 Week | IITK | SWAYAM |

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|----|--------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------|---------------------------------------------------|------------|
| 15 | Enhancing Soft Skill and Personality | FDP | 8 Week | IITK | SWAYAM |
| 16 | Advanced Linear Continuous Control Systems | FDP | 8 Week | IITR | SWAYAM |
| 17 | Outcome Based Education: A step towards excellence” organized by Government Engineering College, Karad | FDP | 20 th to 31 st 2020 | Government Engineering College, Karad | AICTE |
| 18 | Water management and Energy Conservation | FDP | 14 th July 2018 | AISSMS-COE | AISSMS-COE |
| 19 | Optimal operation of power system incorporating renewable energy sources | STTP | 27 th july 2020 to 1 st august 2020 | Sagar Institute of Research and Technology Bhopal | AICTE |
| 20 | ICT Mode on Effective Teaching | STTP | 15th to 19th July 2019 | AISSMS-IOIT | NITTTRK |
| 21 | ICT Mode on Problem based learning | STTP | 20 th to 31 st 2019 | AISSMS-IOIT | NITTTRK |
| 22 | Virtual Conduct of Basic Electronics and Integrated Circuits LAB | Workshop | 13-07-2020 | SRM IST Rampur | IIC MHRD |
| 23 | BEE subject syllabus orientation | Workshop | 8th August 2019 | AISSMS-COE | AISSMS-COE |
| 24 | 'PROJECT BASED LEARNING | Workshop | 24 th January 2020 | AISSMS-COE | AISSMS-COE |
| 25 | FDP on "Green Technology & Sustainability Engineering" from 2021-1-11 to 2021-1-15 at KLS Gogte Institute of Technology. | FDP | 11-15 January 2021 | KLS Gogte Institute of Technology. | FREE |

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| 26 | FDP on "Control Systems & Sensors Technology" from 2021-1-19 to 2021-1-23 at Manipal Institute of Technology. | FDP | 19th -23rd January 2021 | Manipal Institute of Technology | FREE |
| 27 | STTP on "Recent Advances in Industrial Robotics & Applications" organized by Department of Electrical Engineering, SRES's Shree Ramchandra College of Engineering, Pune under AICTE Quality Improvement Schemes (AQIS). | STTP | 7-12 November 2020 | SRES's Shree Ramchandra College of Engineering, Pune | FREE |
| 28 | STTP on "TECHNICAL WRITING & RESEARCH METHODOLOGY" held on December 14 – December 19, 2020 organized by Department of Electrical and Electronics Engineering, Chaitanya Bharathi Institute of Technology, Proddatur, in association with All India Council for Technical Education (AICTE) | STTP | 14-19 December 2020 | Chaitanya Bharathi Institute of Technology, Proddatur | FREE |
| 29 | 1. Attended webinar on symbol of knowledge | Webinar | 5th June 2021 | AISSMS COE | FREE |
| 30 | Attended 1 week FDP Program on modern trends in energy system organized by department of electrical engineering in association with IETE, IEI, IEEE. | FDP | 7 th to 11 th February 2022 | Department of electrical engineering in association with IETE, IEI, IEEE. | FREE |
| 31 | Completed NPTEL course on Control and Tuning Methods in Switched Mode Power Converters | NPTEL course | 2 Week | SWAYAM | SWAYAM |
| 32 | Attended the One Week Faculty Development Program on Augmented reality and virtual n reality | FDP | 1 Week | IETE and IEEE | IETE and IEEE |

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| 33 | Attended webinar on Beyond BIM: A peek in the future of construction management | Webinar | 22 nd June 2021 | AISSMS COE Pune | AISSMS COE Pune |
| 34 | Attended webinar on OBE-in pursuit of academic excellence-II | Webinar | 24 th June 2021 | Karpagam academy of higher education, coimbatore | Karpagam academy of higher education, coimbatore |
| 35 | Attended inuagural function of AISSMSCOE ISTE student chapter | Inuagural function | 26 th June 2021 | AISSMS COE Pune | AISSMS COE Pune |
| 36 | Attended Webinar on “Keys to Manage Time & Stress” | Webinar | 24 August 2021 | AISSMS-COE Pune | AISSMS-COE Pune |
| 37 | Participated in Session 2 of Impact Lecture Series 2021 on “DEVELOPING ENTREPRENEURSHIP PERSONALITIES” on 4 th October 2021. | Lecture Series | 4 th October 2021. | AISSMS-COE Pune | AISSMS-COE Pune |
| 38 | Participated in Session 3 of Impact Lecture Series 2021 on “IPR with reference patent drafting and filing in Indian context” on 14th October 2021. | Lecture Series | 14th October 2021. | AISSMS-COE Pune | AISSMS-COE Pune |
| 39 | Participated in Session 4 of Impact Lecture Series 2021 on “Role of IPR In Start-up” on 14th October 2021. | Lecture Series | 14th October 2021. | AISSMS-COE Pune | AISSMS-COE Pune |
| 40 | One week Faculty Development Program On “Amazon Web Services”; | FDP | 2022 | Organized by Department of Computer Enginnering, AISSMS COLLEGE OF ENGINEERING, PUNE in collaboration with | FREE |

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| | | | | BRAINOVISION SOLUTIONS INDIA PVT.LTD & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION - AICTE | |
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Major Professional Responsibilities Handled

| S. No. | Role and Responsibilities |
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| 1 | Gaurdian Faculty Member from last 6 years |
| 2 | Department Exam Incharge |
| 3 | Mentor from last 6 years |
| 4 | NBA Criteria-8 Co-coordinator |
| 5 | Work in FE Admission Process from last 6 years |
| 6 | NAAC Criteria-V Incharge |
| 7 | Basic Electrical Engineering Lab Incharge |

Awards Received

| S. No. | Awards |
|--------|-------------------------------------------------------------|
| 1. | First Rank Holder in ME (Power electronics and Enginnering) |
| 2. | 5% Topper in NPTEL Course "Control Engineering". |

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

Almas Ambreen

(Name with Signature)