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| Name | MR. Vaibhav Ajit Sansare ME (Power System) |
| Designation | Lecturer |
| Department | Electrical Engineering |
| Date of Joining the Institute | 16/07/2012 |
| Education | Diploma in Electrical Engineering, 2009 BE (Electrical Engineering), FAMT, 2012 ME, Pune University, Dec.2017 |
| Branch / Specialization | Power System |
| Areas of Interest | Network Theory, Power System Protection, Power System Analysis, Electrical Machines, Renewable Energy. |
| Email | vaibhav.sansare@famt.ac.in |



Academic Appointments

| Name of the University / Institute / Industry | Duration | Designation |
|--|-------------------------------------|-----------------|
| Finolex Academy of Management and Technology, Ratnagiri | From 12/07/2012 to till date | Lecturer |

Total Experience – 5.5 Years

Awards / Honors / Prizes

1. Secured 17th rank in BE Electrical Engineering exam in July 2012 conducted by University of Mumbai.
2. ISTE best student award for year 2009 in Government Polytechnic, Ratnagiri.

Students projects Guided at UG Level

1. Solar Powered Auto-Irrigation System.
2. Transformer less Variable Frequency Drive.
3. Space Vector PWM Inverter using DSP.

4. Design and Implementation of three phase fully controlled converter drive for 1HP DC motor.
5. Design and Implementation of Buck, Boost and Buck-Boost converter.
6. Demonstration panel of directional over current relay.

Seminars/Lecture/Invited Talks Conducted

1. Conducted Seminar on "**Ancient India**" as a resource person at NSS camp Kotavade, on 1st November 2017, organized by Gogate Jogalekar college, Ratnagiri.
2. Conducted workshop on "**PCB design and circuit making**" at FAMT, Ratnagiri, on 09th & 10th and 23rd & 24th September 2017.
3. Conducted Two-days workshop on "**Basics of Wiring**", on 8th and 9th October 2016 at FAMT Ratnagiri.
4. Conducted Two-days workshop on "**Basics of Wiring**", on 5th and 6th September 2015 at FAMT Ratnagiri.

Papers Published

Papers Presented/Published in National / International Journals - 02

International Journals – 02

1. Vaibhav A. Sansare, Nikhil N. Kasar, Jayant J. Mane and Asha Gaikwad, "**Development of Solar PV Battery Charger with Buck Converter**", published in INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY, ISSN: 2277-9655, Impact Factor: 4.116.
2. Vaibhav A. Sansare, Milind N. Tagare, Jayant J. Mane and Nitin V. Kelkar, "**Design of Solar Battery Charger with voltage controlled Buck Converter**", Asian Journal of Convergence in Technology, Vol II, Issue III, ISSN 2350- 1146, I. F.-2.71. May 2017

Papers Presented/Published in National/ International Conferences - 05

International Conferences – 03

1. Nikhil Kasar, Vaibhav Sansare, Jayant Mane and Pragati Korde, "**Hardware Implementation of Isolated multi-output DC-DC Power Supply with Fixed and Programmable voltage levels**" in IEEE international conference on Electronics, Computers and Communication (ICAIECC-2018), organized by Reva University Bangalore, India.
2. Vaibhav A. Sansare, Nikhil N. Kasar and Asha Gaikwad, "**Design of Standalone PV Charging System for Lead Acid Battery using controlled Boost converter**" in IEEE

international conference on current trends in Computer, Electrical, Electronics and Communication (ICCTCEEC-2017) Paper code: CTCEEC-182, with catalog "CFP17NO5-PRJ: 978-1-5386-3242-0" organized by VCE, Mysuru. September 2017.

3. Nikhil N. Kasar, Vaibhav A. Sansare and Asha Gaikwad, "**Design and Implementation of Multi-output DC-DC Power supply with Fixed and Programmable Voltage Levels**" in IEEE international conference on current trends in Computer, Electrical, Electronics and Communication (ICCTCEEC-2017) Paper code: CTCEEC-182, with catalog "CFP17NO5-PRJ: 978-1-5386-3242-0" organized by VCE, Mysuru. September 2017.

National Conferences – 02

1. Jayant J. Mane, *Vaibhav A. Sansare, Amit Pawaskar and Sanjay Swami, "**Development of Electronic Differential for Two-Wheel Drive Vehicles**", at National Conference on "Electrifying Experience in Electrical Transportation in India" (NCEEETI), organized by GHRIET, Pune on 06th and 07th February, 2018.
2. Vaibhav A. Sansare, Milind N. Tagare, Jayant J. Mane and Nitin V. Kelkar, "**Design of Solar Battery Charger with voltage controlled Buck Converter**", Conference proc. Recent Advances in Science and Technology (RAST 2k16), FAMT Ratnagiri, **Conference ISBN: 978-93-83046-31-7** Feb. 2016.

Number of Workshops, Seminars, STTPs, FDPs Attended – 13

STTPs and FDPs

1. Attended Two-week ISTE STTP on "**Electrical Power Systems**" conducted by IIT Kharagpur under the national mission on Education through ICT (MHRD, Govt. of India), during 10th-15th July 2017.
2. One-week FDP on "**FACTS Devices and Distributed Generation through ICT**" by National Institute of Technical Teachers Training and Research, Chandigarh online at FAMT Ratnagiri, during 6– 10 Feb, 2017.

Conferences and Seminars

3. Attended **IEEE international conference on current trends in Computer, Electrical, Electronics and Communication (ICCTCEEC-2017)** organized by Vidyavardhak College of Engineering, Mysuru. September 2017.
4. Attended 2nd **National Conference on Recent Advances in Science and Technology (RAST)** organized by Finolex Academy of Management and Technology, Ratnagiri from 17th to 18th February 2016.

Two Week or One Week Workshops

5. One-week workshop on "**Funding Schemes Available for Research Proposal**" conducted by Research, development and consultancy cell (RDCC), Finolex academy of management and technology, Ratnagiri on all weekends between 13th Feb- 23rd April 2016.
6. Attended Two-week ISTE workshop on "**Control System**" conducted by IIT Kharagpur under the national mission on Education through ICT (MHRD, Govt. of India), during 2nd -12th Dec. 2014.

7. Attended Two-week ISTE workshop on "**Signals and Systems**" conducted by IIT Kharagpur under the national mission on Education through ICT (MHRD, Govt. of India), during 2nd-12th Jan 2014.
8. Attended Two-week ISTE workshop on "**Analog Electronics**" conducted by IIT Kharagpur under the national mission on Education through ICT (MHRD, Govt. of India), during 4th -14th June 2013.

Workshops

9. Attended One-day workshop on "**Introduction to Switchgear and Distribution**" organized by department of Electrical Engineering, FAMT, Ratnagiri on 09th September 2015.
10. Attended one-day workshop on "**Inter Collegiate Research Convention Avishkar**" conducted by Mumbai University.
11. Attended Two-days workshop on "**Repair and Maintenance of Electrical Home Appliances**" held at FAMT college, Ratnagiri in 8th to 20th February, 2013.
12. Attended Two-days workshop on "**Aakash for Education**" held at FAMT College, Ratnagiri.
13. Attended Two-days workshop on "**Energy Auditing**" held at FAMT College, Ratnagiri.

Professional Membership

NIL

College Exam Duties

1. Carried out exam related duties such as **Paper Setter, Moderator, Examiner and External Examiner** for conducting theory, practical and oral exam as appointed by Board of Examination, Mumbai University.
2. Worked as **External Examiner** for various subjects at Examinations Conducted SSPMSCOE Kankavali, RSCOE Pedhambe, MPCOE Velneshwar.
3. Worked as **Teacher in Charge** for Practical's/Viva 2015-2016, 2016-2017 and 2017-2018.

Other Experience

College Level Committees

1. Working as a **Member** of Career Counseling Committee for Engineering Admission.
2. Worked as a **Member** College Discipline Committee.

3. Worked as departmental organizing **committee member** in 2nd National Conference on **“Recent Advances in Science and Technology”**
4. Working as a department coordinator for **NAAC Criteria 6 committee**

Judge Panel / Staff Selection Committee / Subject Expert

1. Worked as a **Judge** for **Brainwaves 2k18 A National level technical paper presentation competition** organized by Finolex Academy of Management and Technology, Ratnagiri on 25th -27th February 2018.
2. Worked as a **Judge** for **ASENT 2k18 A state level technical paper presentation competition** organized by Student Association Electronics and Telecommunication Department of Finolex Academy of Management and Technology, Ratnagiri on 29th -30th January 2018.
3. Worked as a **Judge** for **ELECTRA 2k18 A state level technical Power Point presentation competition** organized by Student Association Electrical Department of Finolex Academy of Management and Technology, Ratnagiri on 29th -30th January 2018.
4. Worked as a **Judge** for **ELECTRA 2k17 A state level technical Power Point presentation competition** organized by Student Association Electrical Department of Finolex Academy of Management and Technology, Ratnagiri.
5. Worked as a **Judge** for **Brainwaves 2k17 A National level technical paper presentation competition** organized by Finolex Academy of Management and Technology, Ratnagiri.
6. Worked as a **Judge** for **ESTA 2k17 Technical paper presentation competition** organized by Student Association Electronics Department of Finolex Academy of Management and Technology, Ratnagiri on 29th -30th January 2018.

Subject Taught

| Sr. No. | Name of the Subject | Year/Branch/Semester | Experience |
|----------------|----------------------------|------------------------------|-------------------|
| 1. | Electrical Networks | S.E. Electrical (Sem - III) | 5 Years |
| 2. | Elements of Power System | S.E. Electrical (Sem - IV) | 4 Years |
| 3. | Power System Analysis | T.E. Electrical (Sem- V/VI) | 4 Years |
| 4. | Power System Protection | T.E. Electrical (Sem- VI) | 2 Years |
| 5. | Electrical Machines-I | S.E. Electrical (Sem-III/IV) | 3 Years |

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| 6. | Electrical Machines | S.E. Electronics (Sem - IV) | 1 Year |
| 7. | Power Plant Engineering | S.E. Electrical (Sem - III) | 1 Year |
| 8. | Conventional and Nonconventional Power Generation | S.E. Electrical (Sem - III) | 2 Years |
| 9. | Control System-I | T.E. Electrical (Sem- VI) | 1 Year |