

**Name** **Dr. JAYANT JAGANNATH MANE**

Designation Associate Professor  
Education PhD in Electrical Engineering  
M-tech, Power Electronics and Drives, 2012B-Tech,  
Electrical, 2004  
Branch / Specialization Diploma, Electrical, 2001 Power  
Electronics and Drives  
Areas of Interest Electric vehicle, DC nano grid, Renewable energy,  
power converter design, simulation and  
implementation  
Email  
Mobile no jayant.mane@famt.ac.in  
Contact Address 8855080977  
"SUKRUTAM", Survey No 54, Adarsh  
Vasahat, Road "I", Karwanchiwadi,  
Ratnagiri- 415 639



### Academic Appointments

Name of the University / Institute/ Industry		
Finolex Academy of Management and Technology, Ratnagiri	18/08/06 to till date	Assistant Professor
Rajendra Mane Collage of Engg and Technology, Ambav, (Devrukh)	23/07/2005 to 17/08/2006	Lecturer
Rajaram Shinde Collage of Engineering, Pedhambe. (Chiplun)	16/01/2005 to 22/07/2005	Lecturer
Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad	02/08/2004 to 30/12/2004	Lecturer
Total Experience – 18 Years		

### **Patent Filled**

"Systems for regenerative braking with remote monitoring" A complete patent (application No. 201721015232) filled at Indian Patent Office on 28<sup>th</sup> April 2017 as an Inventor and Applicant. Current Status: Published and Applied for examination

### **Books Written**

1. "Mechatronics", Aksharlen Publications, Solapur (ISBN 81-903788- 2-1)
2. "Video encoding with authentication using Multiwavelet Transform", Lambert academic publishing, Germany (ISBN 978-3-330-07343-2)

### **Research Project**

As a co-investigator, Grant of Rs. 16000 sanctioned by University of Mumbai under the Minor Research project scheme 2017-18, for the project titled "An intelligent, adjustable, automatic timer system"

### **Papers Reviewed - 04**

1. One paper for 7th International Conference on Power Systems 2017, held in December at COEP, Pune. (through easychair.org)
2. Two papers for National Conference on Sustainable Energy 2018, held in February at Visvesvaraya National Institute of Technology (VNIT), Nagpur. (through easychair.org)
3. One paper reviewed for PARC 2022 an IEEE conference organized at GLA University Mathura.

### **Students' projects Recently Guided at Undergraduate Level**

1. AI based Self-Drive vehicle.
2. Regenerative braking of BLDC motor
3. Design and development of converters and loads for DC Nano grid
4. Fuzzy controlled Solar Inverter AC (Winner in Avishkar2017 College level round)
5. Solar Pump using BLDC motor with MPPT (Runner-up in Departmental Project Competition)
6. Electronic Differential for Electric Vehicle
7. Field Oriented controlled (FOC) Electric-bike

### **Seminars Delivered/Expert Lecture/Invited Talks/Workshops Conducted- 18**

1. Conducted workshop "Latex for Document and Technical Report Writing" held at Finolex Academy of Management and Technology, Ratnagiri, 14<sup>th</sup> March 2020.
2. Master trainer for "Student Solar Ambassador Workshop" of IIT Bombay held at Finolex Academy of Management and Technology, Ratnagiri, 2nd October 2019.
3. Conducted Orientation program on Simulation Lab-III (EEL702) organized by A. C. Patil College of Engineering, Kharghar, Navi Mumbai from 26/07/2019 to 26/07/2019

4. Conducted workshop on "PCB design and circuit making for SE Electrical" at Finolex Academy of engineering and technology, Ratnagiri, 14<sup>th</sup> – 15<sup>th</sup> October 2018
5. Conducted workshop on "PCB design and circuit making" at Dr. BATU, Lonere, 7<sup>th</sup> -8<sup>th</sup> April 2018
6. Conducted workshop on "PCB design and circuit making" at VIRTUOSIC 2018 SSPM's college of engineering, 13<sup>th</sup> -14<sup>th</sup> March 2018
7. Delivered a guest lecture on "Vector Control and implementation" at N. K. Orchid college of engineering and technology, Solapur, 26<sup>th</sup> September 2017
8. Delivered a guest lecture on "Power Electronic Converter Simulation" at N. K. Orchid college of engineering and technology, Solapur, 18<sup>th</sup> Feb 2017
9. Conducted workshop on "PCB design and circuit making for T E Electrical" at Finolex Academy of engineering and technology, Ratnagiri 9<sup>th</sup>-10<sup>th</sup> September 2017
10. Conducted workshop on "PCB design and circuit making for SE Electrical" at Finolex Academy of engineering and technology, Ratnagiri, 16<sup>th</sup> – 17<sup>th</sup> September 2017
11. Conducted a bridge course on "Prerequisites of power electronics", at Finolex Academy of engineering and technology, Ratnagiri 8<sup>th</sup> July 2017
12. Conducted workshop on "PCB design and circuit making" at VIRTUOSIC 2017 SSPM's college of engineering, 22<sup>nd</sup> -23<sup>rd</sup> March 2017
13. Conducted workshop on "Programming with Arduino" at Government Polytechnic, Malvan, 3<sup>rd</sup> – 4<sup>th</sup> March 2017
14. Conducted workshop on "Advanced MATLAB in power electronics" at N. K. Orchid college of engineering and technology, Solapur, 18<sup>th</sup> Feb 2017
15. Conducted workshop on "BLDC motor and its control", on 6<sup>th</sup> April 2016 at FAMT Ratnagiri
16. Conducted workshop on "DC motors", on 11<sup>th</sup> March 2016 at VIRTUOSIC 2016 SSPM's college of engineering
17. Conducted workshop on "PCB Design and circuit making on 10<sup>th</sup> March 2016 at VIRTUOSIC 2015 SSPM's college of engineering
18. Conducted workshop on "DC and Special purpose motors" on 26<sup>th</sup> February 2015 at VIRTUOSIC 2015 SSPM's college of engineering
19. Delivered a lecture during work shop on "ROBOTICS" under ISTE student chapter on "Introduction to Industrial Robots" at RMCET, Ambav

### Papers Published

### Papers Presented/Published in National / International Journals - 10

1. Mane Jayant, Aware Mohan and Kubalkar Swapnil, "Multicarrier Multi-Modulation Techniques in Multilevel Neutral Point Clamped Inverter Setup for Advanced Power Electronics and Drives Lab", International Journal of Electrical Engineering Education (IJEEE), United Kingdom (UK). 2 July 2020. Indexed at Science Citation Index Expanded (SCIE) and SCOPUS. Impact Factor 0.938 DOI: <https://doi.org/10.1177/0020720920926682>
2. Kiran M Keshyagol, Jayant J Mane, Suhas H Mhabadi, Leslie Fernandes and Sudhir S Wamane, " Design and implementation of solar emulator through flyback converter",

3. Jayant Mane, K Vadirajacharya, "Research of Periodic Orbits and Chaos Produced in 1-D Liner Piecewise-Smooth Maps with Single Discontinuity, Positive and Negative Slopes", International Journal of Recent Technology and Engineering (IJRTE) SCOPUS Indexed ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019
4. Jayant J. Mane, K. Vadirajacharya "Research of Periodic Orbits and Chaos in Current Controlled Boost Converter", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-6S3, September 2019
5. Sandeep Sanjay Kulkarni, Jayant J. Mane, Sanjay Baburao Kulkarni "Design and implementation of microcontroller based low-cost control and data acquisition system for electric drives", i-manager's Journal on Instrumentation & Control Engineering, Vol. 7 No. 2 February - April 2019
6. Vaibhav A. Sansare, Nikhil N. Kasar, Jayant J. Mane and Asha Gaikwad, "Development of Solar PV Battery Charger with Buck Converter", International Journal of Engineering Science and Research Technology. ISSN 2277-9655, June 2017
7. Jayant J. Mane, Uday V. Patil, Milind N. Tagare and Bhooshan A. Rajpathak, "Observation of Bifurcations in Current Controlled Boost Converter" Asian Journal of Convergence in Technology, Vol II, Issue III, ISSN 2350-1146, I. F.-2.71. May 2017
8. 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
9. Jayant J. Mane, Sanjay S. Swami, Amit S. Pawaskar and Uday V. Patil, "Electronic Differential for Electric Vehical with FOC controlled Two Wheel Drives", Asian Journal of Convergence in Technology, Vol II, Issue III, ISSN 2350-1146, I. F.-2.71. May 2017
10. Amol R. Sutar, G. G. Bhide, J. J. Mane "Implementation and Study of BLDC Motor Drive System", International Journal of Engineering Science and Research Technology (IJESRT) 5(5), pages 57-64. May 2016

#### **Papers Presented/Published in National/ International Conferences - 12**

##### **International Conferences – 06**

1. Jayant J. Mane, and K. Vadirajacharya "Investigation of Periodic Orbits and Chaos in Current Controlled Boost Converter", International Conference on Material Science, Smart Structures and Applications (ICMSS 2019), Mumbai, 10-11 Oct 2019
2. Jayant Mane and K. Vadirajacharya "Analysis of Periodic Orbits and Chaos Produced in 1-D Liner Piecewise-Smooth Maps with single discontinuity, Positive and Negative slopes", International Conference on Material Science, Smart Structures and Applications (ICMSS 2019), Mumbai, 10-11 Oct 2019
3. Bhooshan Rajpathak and Jayant J. Mane, "Hybrid Converter with Simultaneous DC and AC Outputs using Fuzzy Controllers", IEEE Power Electronics, Drives and Energy Systems Conference has been provisionally accepted for presentation at the IEEE Power Electronics, Drives and Energy Systems Conference, to be held during 18<sup>th</sup> -21<sup>th</sup> December, 2018 at Indian Institute of Technology Madras, Chennai, Tamilnadu, India.
4. Mr. N. N. Kasar, Mr. V. A. Sansare, Mr. J. J. Mane, "Hardware Implementation of Isolated Multioutput DC-DC power supply with fixed and programmable voltage levels", Conference Proceedings on Electrical, Electronics, Communication, Mechanical and Computer (EECCMC) Jan 2018, ISSN 978-1-5386-4303-7

5. Jayant J. Mane, Shubhada Mulye and Mohan V. Aware. "Performance of 5-level NPC inverter with Multi-Multicarrier Multi-Modulation technique." Conference proc. PEDES 2012 (Power Electronics, Drives and Energy Systems), CPRI and IISC Bengaluru, Dec. 2012 of Mumbai.
6. Jayant J. Mane and Mohan V. Aware, Member, IEEE. "Multilevel Grid-Connected Inverter Performance Under Different Modulation Strategies". conference proc. ICUE 2011 (International Conference and Utility Exhibition), Pattaya, Thailand, Sept. 2011

### **National Conferences – 06**

1. Jayant Mane, Bhooshan Rajpathak and Vadirajacharya K "Observation of Bifurcations one dimensional liner piecewise smooth discontinuous maps with negative slopes", National Conference on Sustainable Energy (NCOSE 2018), 22nd – 23rd Feb, 2018
2. Jayant J. Mane, Uday V. Patil, Milind N. Tagare and Bhooshan A. Rajpathak, "Observation of Bifurcations in Current Controlled Boost Converter" Conference proc. Recent Advances in Science and Technology (RAST 2k16), FAMT Ratnagiri, Pages 89-93. Feb. 2016
3. 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, pages 116-121. Feb. 2016
4. Jayant J. Mane, Sanjay S. Swami, Amit S. Pawaskar and Uday V. Patil, "Electronic Differential for Electric Vehicle with FOC controlled Two Wheel Drives", Conference proc. Recent Advances in Science and Technology (RAST 2k16), FAMT Ratnagiri, pages 83-88. Feb. 2016
5. Hemant J. Mane, Jayant J. Mane and Mohan V. Aware, "Performance Evaluation of Carrier Based PWM with harmonic injection Multilevel Inverters", National Conference on Innovative Smart Grid Technologies, AISSMS COE, Pune, March 2012
6. Jayant J. Mane and Mohan V. Aware, Member IEEE. "A Comparative Study of Different Multi-Level Inverters Under Different Modulation Strategies." Conference proc. NPEC 2011 (National Power Electronic Conference), BESU, Kolkata, Dec. 2011

### **Number of Workshops, Seminars, STTPs, FDPs, Courses, tutorials Attended – 51**

1. One week FDP "Challenges in Evolving Power Systems", organized by department of electrical engineering, Finolex Academy of Management and Technology, Ratnagiri, 22.11.2021 to 27.11.2021.
2. ATAL FDP "Sensor's application through internet of things", University of B D T college of engineering (constituent college of VTU Belgavi), 20.09.2021 to 24.09.2021
3. One day event "AI for All" organized by Digital India in association with Intel corp., 19.08.2021
4. One day "Session on Digitization as an innovation and startup Ecosystem Enablers from the State Level" under the Institute Innovation Council (IIC) activity organized by Sinhagad Institute of Management and Computer Application (SIMCA), Pune, 25.07.2021.
5. One day "Session on Prototype Development Validation- Converting Prototype into a Startup" under the Institute Innovation Council (IIC) activity organized by Sinhagad Institute of Management and Computer Application (SIMCA), Pune, 25.07.2021.
6. One day "Session on Angel Investment/VC funding opportunity for Early-Stage Entrepreneurs" under the Institute Innovation Council (IIC) activity organized by Sinhagad Institute of Management and Computer Application (SIMCA), Pune, 25.07.2021.

7. Coursera "Business Operations Support in Google Sheets" an online non-credit course authorized by Coursera Project Network and offered through Coursera, 17.07.2021
8. Coursera "How to Write a Resume (Project-Centered Course)" an online non-credit course authorized by The State University of New York and offered through Coursera, 16.07.2021
9. Webinar titled "Machine Learning and Applications" organized by the Indian Women Scientists' Association, supported by BRNS-DAE & hosted by Department of MCA, Finolex Academy of Management and Technology, Ratnagiri and held on Thursday, 18.03.2021.
10. Three days' national online workshop, "*Gramin Vikas*: Enabling Self-Reliant Economy Through Techno Social Economy Innovation in a Perspective of COVID-19 Rural India" under Unnat Bharat Cell of Rajiv Gandhi Institute of Technology, Mumai, 25.06.2020 to 27.06.2020
11. FDP on Power quality and reactive power management (Online) organized by Electrical Engineering Department Sharad Institute College of Engineering Yadav (Ichalkaranji) 01.06.2020 to 05.06.2020
12. Two week FDP on "Paradigm shift in higher education institutes: Opportunities and challenges", (online) organized by dept of electrical engineering, DIT Pimpri, Pune in association with ISTE, 01.06.2020 to 12.06.2020
13. Web course "Passionpreneur Master Class" by Mr. Dev Gadhavi India's first Passionpreneur Mentor, 28.05.2021 to 30.05.2021.
14. Workshop on Patent searching, drafting and filing (Online) organized by Turnip innovations and Exilazi Intellectual services & IEEE computer Society and computer society of India, Panimalar Institute of Technology, Poonamallee, Chennai, Tamilnadu from 20.05.2020 to 02.06.2020
15. FDP on Outcome based education: A step towards Excellence under margdarshan scheme of AICT (Online), organized by Government College of Engineering, Karad 11.05.2020 to 15.05.2020
16. Webinar on Sartup life cycle and Patent Registration (Online) Capital ACE Innovation Cell, IPR Cell, ACE Institute Innovation Council - MHRD, ACE Incubation Center MSME, EDC- DST, ACE Entrepreneur Cell, NEN Atharva College of Engineering 18.05.2020 to 19.05.2020
17. Webinar Awareness program on IPR (Online) organized by Mechanical Department of Shree Chatrapati Shivaji Maharaj College of Engineering from 15.05.2020 to 15.05.2020
18. Webinar on COVID-19 Awareness program (Online) organized by Pune Shopholic 15.05.2020 to 15.05.2020
19. Webinar on Challenges in Conducting Online Exams and Solutions (Online) UNI Pariksha Campus from 15.05.2020 to 15.05.2020
20. Webinar on Learn and Unlearn (Online) organized by International Institute of Information Technology, Hinjawadi Pune from 14.05.2020 to 14.05.2020
21. Webinar on Energy and innovation (Online) organized by Mechanical Engineering Department AISSMS College of Engineering Pune from 27.05.2020 to 27.05.2020
22. Webinar on IPR and Patent Registration (Online) organized by Electronics and Telecommunications Engineering, Pillai HOC Polytechnic Rasayani from 21.05.2020 to 22.05.2020

23. Workshop on Intellectual Property Rights (IPR) Research, Development and consultancy Committee (RDCC) organized by Finolex academy of management and technology, Ratnagiri from 15.03.20 to 16.03.20
24. Workshop on Research Methodology and IPR property rights organized by Thakur College of Engineering Kandivali from 24.02.2020 to 29.02.2020
25. Workshop on Entrepreneur Development Cell MCED and University of Mumbai Sub center from 07.02.2020 to 07.02.2020
26. Attended 'One Day Workshop on Arduino' held at Finolex Academy of Management and Technology, Ratnagiri. This training was organized by the Teaching Learning Centre, ICT at IIT Bombay, funded by the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India on 8.02.2020
27. STTP on Embedded Systems and IOT (Online), organized by NITTR Chandigarh from 27/01/20 to 31/01/20
28. Completed 12-week certified NPTEL course on "Design of photo voltaic systems" conducted by Prof. L. Umanand IISC Bangalore, during Aug-October 2017
29. Two-day workshop on "Raspberry Pi" at Finolex academy of management and technology, Ratnagiri during 10-11 Feb 2016.
30. 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
31. One-week FDP on "Advances in control systems" at Dr. BATU, Lonere during 7-11 Nov 2016
32. 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 13 Feb-23 April 2016.
33. One-week short term course (TEQIP-II Sponsored) on "Power Electronic Circuits and Control" conducted by EED, S. V. National Institute of Technology, Surat, during 14-18 Dec 2015
34. Two-day national workshop on "Project Based Learning" conducted by Vishvaniketan i-MEET, Khalapur, Navi Mumbai, during 10-11 Jan 2015
35. Two week ISTE workshop on "Control Systems" conducted by IIT Kharagpur under the national mission on Education through ICT (MHRD, Govt. of India), June 2014
36. 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 2-12 Jan 2014.
37. Two-week ISTE workshop on "Analog Electronics" conducted by IIT Kharagpur under the national mission on Education through ICT (MHRD, Govt. of India), during 4-14 June 2013.
38. Tutorial on "EMI: Theory, Coupling Mechanisms, Equivalent circuits and Solutions" PEDES 2012, CPRI, Bengaluru, Dec. 2012. Attended tutorial on "Resonant and Soft Switching Power Conversion" PEDES 2012, CPRI, Bengaluru, Dec. 2012.
39. Tutorial on "Novel Snubber less Bi-directional Soft-Switching current-fed dc/dc converters" PEDES 2012, CPRI, Bengaluru, Dec. 2012.
40. Tutorial on "Advanced Power Electronic Technology for Greener Electric and Plug-in Hybrid Electric Vehicular" PEDES 2012, CPRI, Bengaluru, Dec. 2012.

41. Tutorial on "Digital Control of Dynamic Systems: Design Issues" PEDES 2012, CPRI, Bengaluru, Dec. 2012.
42. Tutorial on "Resonant and Soft Switching Power Conversion" PEDES 2012, CPRI, Bengaluru, Dec. 2012.
43. Two-day ISTE workshop on "Aakash for Education", conducted by IIT Bombay, Nov. 2012.
44. Tutorial on "Pulse width Modulation for Power Electronic Converters" NPEC 2011, BESU, Kolkata, Dec. 2011.
45. Tutorial on "Control of Power Electronic Systems – Digital Solutions" NPEC 2011, BESU, Kolkata, Dec. 2011.
46. Three-day course on "Solar PV systems: Basic Design & Integration." conducted by IIT Bombay during 24-26 Feb 2011.
47. One-day workshop on "Solar PV Systems- Technology, risks, manufacturing, EPC, O&M, investment" during "First India International Energy Summit" held at held at Visvesvaraya National Institute of Technology, Nagpur; from 28-30 January 2011.
48. "First India International Energy Summit" held at held at Visvesvaraya National Institute of Technology, Nagpur; from 28-30 January 2011.
49. Two-day workshop on "Fuzzy logic and its applications" by Dr. Deshpande, Department of instrumentation, COEP, Pune.
50. Two-day short term training program on "Simulation of Electronic and Power electronic circuits, using SEQUEL" by Prof. M. B. Patil, IIT Bombay.
51. One-day workshop under ISTE chapter on "Quality Education in Engineering and Technical Institutions" at FAMT, Ratnagiri.

### Professional Membership

1. Life member of Indian Society of Technical Education (I.S.T.E)

### Exam Duties

1. Worked as Senior Supervisor for First Half of 2022 Examination, University of Mumbai.
2. Worked in Central paper generation committee and as a departmental coordinator for Winter 2020 exam conducted by University of Mumbai.
3. Worked in **Syllabus Revision Committee of University of Mumbai** for the branch of Electrical Engineering Designed syllabus of subjects such as High Voltage DC Transmission and Drives and Control
4. Worked as a **Joint Chief Conductor** for Dec 2013 examination at Gharada Institute of Technology, Khed, Ratnagiri
5. Worked as **External Examiner** for Examinations Conducted **outside Mumbai University** (Dr. BATU, Solapur University and Pune University)
6. 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



## Other Experience

### College/Department Level Committees/Responsibilities

1. Coordinator for "Shivajayanti Utsav" 19<sup>th</sup> February 2021.
2. Anchor for "Sahityamela on Marathi Bhasha Divas celebration" on 27 February 2021.
3. Coordinator for workshop "Latex for Document and Technical Report Writing" held at Finolex Academy of Management and Technology, Ratnagiri, 14<sup>th</sup> March 2020
4. Mentor and Judge for "Internal Hackathon", Held at Finolex Academy of Management and Technology, Ratnagiri 20<sup>th</sup> January 2020.
5. Organized Seminar Road Safety Awareness Finolex Academy of Management and Technology, Ratnagiri, 16<sup>th</sup> January 2020.
6. Organized Road Safety Seminar on 16 Jan 2020 on account of 31<sup>st</sup> Road Safety Week celebrated from 11<sup>th</sup> to 17<sup>th</sup> Jan 2020.
7. Convener of "Incubation Center" formed in October 2019.
8. Master trainer in a workshop "Student Solar Ambassador Workshop of IIT Bombay", IIT Bombay held at Finolex Academy of Management and Technology, Ratnagiri, 02<sup>nd</sup> October 2019
9. Coordinator "Institute Logo Competition" held at Department of Electrical Engineering, Finolex Academy of Management and Technology, Ratnagiri campus on 21<sup>st</sup> September 2019.
10. Worked as a Mentor of Team "Mech Masters" participated in Final Round of SMART INDIA HACKATHON 2019 at IIT Indore, 8<sup>th</sup> -12<sup>th</sup> July 2019.
11. Department Project Coordinator for AY 2018-19.
12. Working as Mentor for the Team of 40 Students who got 2<sup>nd</sup> Runner-up Prize in "National Solar Vehicle challenge 2018 (NSVC)" and Runner-up prize for "Lightest Vehicle" held at Gujrat
13. Working as EESA (electrical engineering student's association) Faculty in-charge
  - AY 2015-16 Conducted 9 Events, Arranged 4 Industrial Visits
  - AY 2016-17 Conducted- Conducted 9 Events including one Tech-fest (2days, 11 events), Arranged 4 Industrial Visits
  - AY 2017-18 -Conducted 22 Events including one Tech-fest (2days, 11 events), Arranged 4 Industrial Visits
14. Working as a department coordinator for NAAC Criteria 3 committee and Student Association activities
15. Working as a Member of Admission Counselling Committee for engineering Admission.
16. Working as a Member of Infrastructure Committee (Deadstock reforms, checking, maintenance registers, Consumable registers, write-off policy, formation of store department, Sign boards in college campus)
17. Working as a Member of E-magazine Committee of college
18. Working as a Member of Cultural Events Committee of college (All cultural events throughout the year are planned and executed by this committee)
19. Worked as departmental organizing committee member in 2<sup>nd</sup> National Conference on "Recent Advances in Science and Technology" held at FAMT,
20. College Campus Electrical maintenance in-Charge
21. Boys Hostel rector

**Judge Panel / Staff Selection Committee / Subject Expert**

1. Worked as a Teaching Assistant for two-week STTP on "Electric Power system" organized by IIT, Kharagpur, from 12th June -11th July 2017
2. Worked as a Judge for many college level technical and non-technical events.

**Subjects Taught**

<b>Sr. No.</b>	<b>Name of the Subject</b>	<b>Year/Branch/Semester</b>	<b>Experience (Years)</b>
1.	Intellectual Property Rights and Patenting	B.E. ELECT (Sem - VIII)	02
2.	Drives and Control	B.E. ELECT (Sem - VIII)	10
3.	Power Electronics	T.E. ELECT (Sem - V)	6
4.	High Voltage DC Transmission	B.E. ELECT (Sem - VII)	5
5.	Industrial Electronics	S.E. MECH (Sem - IV) F. E. ALL BRANCHES	8
6.	Basic Electrical and Electronics Engineering	(Sem - I)	5
7.	Electrical Workshop	B.E. ELECT (Sem - IV) B.E. ELECT (Sem - III)	1 1
8.	Electrical and Electronics Measurements		

**Use of Teaching-learning methodologies**

1. Survey of Industries around Ratnagiri conducted by the students as a part of Course Project to Start Industry-Academic interactions
2. Hardware based Course projects are given to students to impart project-based learning
3. Field visits arranged for practical understanding
4. Showing actual hardware components/circuits at the time of teaching
5. Showing some concepts using MATLAB simulations