

|                                       |   |   |
|---------------------------------------|---|---|
| <b>Name</b>                           | <b>MR. GIRISH G. BHIDE</b><br><b>M.E. Electronics</b>   |  |
| Designation                           | Associate Professor   |   |
| Department                            | Information Technology  |   |
| Date of Joining the Institute         | 15/07/1996  |   |
| Education                             | M.E.Electronics, TKIET, Warananagar, Shivaji university, 2005                                 |   |
|                                       | B.E.Electronics, KBPCOE, Satara, Shivaji University 1993                                      |   |
| Branch / Specialization               | Electronics Engineering   |   |
| Areas of Interest / Research Interest | Computational Electromagnetics, Image Processing, Wireless Technology, Internet of Everything |   |
| Email                                 | girish.bhide@famt.ac.in   |   |
| Personal Homepage link                | <a href="https://girishbhide.wordpress.com/">https://girishbhide.wordpress.com/</a>           |   |

| <b>Academic Appointments</b>  |                                 |                            |
|---|---------------------------------|----------------------------|
| <b>Name of the University / Institute/ Industry</b>                     | <b>Duration</b>                 | <b>Designation</b>         |
| <b>Finolex Academy of Management and Technology, Ratnagiri</b>          | <b>02/05/2009 to till date</b>  | <b>Associate Professor</b> |
| <b>Finolex Academy of Management and Technology, Ratnagiri</b>          | <b>06/06/2006 to 01/05/2009</b> | <b>Sr. Lecturer</b>        |
| <b>Finolex Academy of Management and Technology, Ratnagiri</b>          | <b>15/07/1996 to 05/06/2006</b> | <b>Lecturer</b>            |
| <b>Rajaram Shinde Institute of Engineering and Technology, Pedhambe</b> | <b>01/08/1995 to 30/06/1996</b> | <b>Lecturer</b>            |
| <b>Total Experience – 28 Years</b>                                      |                                 |                            |

**Patents Granted / Published / Filed - NIL**

**Patent Granted - NIL**

**Patent Published / Filed – NIL**

**Copyright Granted / Applied - 01**

**Copyright Granted – 01**

1. **"Website based Artificial Intelligence"**, Copyright diary No. 7532/2023-CO/SW, Copyright Office, Government of India (Status: Registered on 21/03/2023)

**Copyright Applied – NIL**

**Research Grant Received- NIL**

NIL

**Books / Book Chapter - NIL**

NIL

**Awards / Honors / Prizes**

1. **Working as Member of Internal Quality Assurance Cell (IQAC).**
2. **Working as Member of College Development Committee (CDC).**
3. **Worked as Member of Governing Body** of Finolex Academy of Management and Technology, Ratnagiri
4. **Best Paper of Session** award for the paper "Learning Finite Element Method using MATLAB – A Tutorial" at 3<sup>rd</sup> IETE National Conference CYNOSURE 2016 at DBATU, Lonere, on 23-24 April 2016.
5. Worked as **Session Chair** at 3<sup>rd</sup> IETE National Conference CYNOSURE 2016 at DBATU, Lonere, on 23-24 April 2016.

**Students projects Guided at UG/PG/Doctoral Level**

**Projects Guided at Doctoral Level**

Nil

**Projects Guided at PG Level**

Nil

**Projects Guided at UGLevel**

Nil

**Papers Published**

**Papers Published in National / International Journals - 10**

**International Journals – 10**

1. Girish Bhide, Anil Nandgaonkar, Sanjay Nalbalwar, Brijesh Iyer, " **FDTD Analysis of Union-Shaped Triple Band Microstrip Patch Antenna using the Novel Algorithm for Identification of Contiguous White Pixels in a Column of an Image,**" International Journal of Engineering Trends and Technology, vol. 70, no. 12, pp. 90-98, 2022 (ISSN: 2231-5381) (Indexing: **Scopus**). (Paid).

2. Girish Bhide, Brijesh Iyer, Anil Nandgaonkar, Sanjay Nalbalwar, Abhay Wagh, "**Design and Analysis of Compact Giraffe-Shaped Patch Antenna for UWB Applications: A FDTD and Hybrid PSO Algorithm Approach**," International Journal of Engineering Trends and Technology, vol. 70, no. 3, pp. 13-21, 2022. (ISSN: 2231-5381) (Indexing: Scopus). (Paid).
3. Suraj Shete, Girish Bhide, Sandeep Nalage, Ashish Vartak, "**Composite Structure Fractal Wideband Monopole Antenna for ISM Band Applications**" in International Journal of Modern Trends in Engineering and Research (IJMTER) volume. 4, Issue (7), July 2017, ISSN: 2349-9745 (E) / 2393-8161 (P). (Paid).
4. Suraj Shete, Girish Bhide, Mahesh Jadhav, "**WHT and Double WHT: An effective PAPR reduction approach in OFDM**" in IEEE Xplore Digital Library DOI: 10.1109/ICAECCT.2016.7942577.ISN: 2473-2001 (Paid).
5. Girih Bhide, Anil Nandgaonkar, Sanjay Nalbalwar "**Dual Band High Gain Union Shaped Microstrip Patch Antenna**" published in Atlantis Press through the proceedings of Second IETE International Conference on Communication and Signal Processing (ICCASP) at Dr. Babasaheb Ambedkar Technological University, Lonere in December 26-27, 2016 with ISSN: 1951-6851, vol. 137 in AISR series. (Paid).
6. Mangesh Joshi, Girish Bhide, Ashish Vartak "**Stepped & Hairpin Combined Wideband Band pass Filter for ISM Band**" published in International Journal 'Asian Journal of Convergence in Technology (IJCT)' ISSN 2350-1146, Vol 2, Issue 3, 2016. (Paid).
7. Nimbalkar, V., Shah, J., Bhide, G., Kulkarni, G., & Khedkar, G "**Partially Adaptive Cluster Based Routing for Network-on-Chip**" published in International Journal 'Asian Journal of Convergence in Technology (IJCT)' ISSN 2350-1146, Vol 2, Issue 3, 2016. (Paid).
8. 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. (Paid).
9. Amol Sutar, Girish Bhide "**Performance Analysis of Three Phase induction motor drives for Various PWM Control methods**", published in international journal of Scientific and Engineering Research (IJSER) ISSN 2229-5518, Volume 6, Issue 8, PP 905-911, August 2015. (Paid).
10. Girish Bhide, "**A Three-Phase Voltage Source Inverter Using MOSFET Devices And Equal Area Criteria PWM**" published in International Journal of Global Technological Initiatives (IJGTI) MARCH 2012 VOLUME 1 ISSUE 1, pp C29-C38 (ISSN 2277-6591). (Paid).

#### Papers Presented/Published in National/ International Conferences - 09

#### International Conferences – 06

1. G. Bhide, A. Nandgaonkar and S. Nalbalwar, "**On the Novel Image Algorithms Filling Material Index over the Finite-Difference Time-Domain Grid for Analysis of Microstrip Patch Antenna Using MATLAB**", in Proc. 5th International Conference on Computing in Engineering and Technology (ICCET 2020), Nanded, January 2020. [paper ID: 81].

2. G. Bhide, A. Nandgaonkar and S. Nalbalwar, **"Dual Frequency High Gain Union Shaped Microstrip Patch Antenna"** in Proc. Second IETE International Conference on Communication and Signal Processing (ICCASP) 2016, Lonere, December 2016. [Paper ID: 78].
3. Suraj Shete, Girish Bhide, Mahesh Jadhav, **"WHT and Double WHT: An effective PAPR reduction approach in OFDM"** at 2016 IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT) held at Rajarshi Shahu College of Engineering, Pune India. Dec 2-3, 2016.
4. S.B. Kulkarni, G.G Bhide, G.S. Kulkarni, **"On the class of exact solutions of MHD boundary layer flow of second order type by creating forced oscillations on the porous boundary"** in International Conference on Recent Trends in Computing communication and Science, held at I<sup>2</sup>IT, Pune in January 08<sup>th</sup> & 09<sup>th</sup>, 2016.
5. Girish Bhide, **"A Three-Phase Voltage Source Inverter Using MOSFET Devices and Equal Area Criteria PWM"** at the international Conference on Global Technology Initiatives at Rizvi College of Engg. held in March 2012.

### National Conferences – 03

1. Girish Bhide, Anil nandgaonkar, Sanjay Nalbalwar, **"Learning Finite Element Method using MATLAB – A Tutorial"** at the Third IETE National Conference 'CYNOSURE 2016' organized by Dr. Babasaheb Ambedkar Technological University, Lonere held in April 2016.
2. Mangesh Joshi, Girish Bhide, Ashish Vartak **"Stepped & Hairpin Combined Wideband Bandpass Filter for ISM Band"** at the Second National Conference on 'Recent Advances in Science and Technology (RAST-2k16)' organized by Finolex Academy of Management and Technology, Ratnagiri held in February 2016.
3. Vrishali Nimbalkar, Jalpa Shah, Girish Bhide, Giri Kulkarni, Gauri Khedekar, **"Partially Adaptive Cluster Based Routing for Network-on-Chip"** at the Second National Conference on 'Recent Advances in Science and Technology (RAST-2k16)' organized by Finolex Academy of Management and Technology, Ratnagiri held in February 2016.

### Number of Workshops, Seminars, STTPs, FDPs Attended – 44

#### STTP / FDPs

1. Attended One Week FDP (Online) on **"AI Algorithms and Applications in Healthcare"**, at Finolex Academy of Management and Technology, Ratnagiri from 19-23 June 2023.
2. Attended Two Week FDP (Online) on **"Advancements in Cryptography, Blockchain and Cryptocurrency"**, at Finolex Academy of Management and Technology, Ratnagiri from 05-16 December 2022.
3. Attended One Week STTP (Online) on **"Recent Tools for Integration of Smart Systems,"** at TCET, Thane from 06-11 June 2022.
4. Attended One Week STTP (Online) on **"Evolution of RF Electromagnetics from Microwave to mm Wave Technologies"** at VJIT, Matunga from 19-23 December 2020.
5. Attended One Week FDP (Online) on **"Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes"**, at Finolex Academy of Management and Technology, Ratnagiri from 08-12 June 2020.
6. Attended One Week FDP (Online) on **"Opportunities & Challenges in Electronics & Allied Industries in India post COVID19"**, at Vivekanand Education Society's Institute of Technology, Mumbai from 25-30 May 2020.

7. Attended One Week STTP on "**Design, Testing, Performance Evaluation & Applications of Microwave Antennae 2016**" at VIIT, Pune from 21-26 November, 2016.
8. Completed Four Week AICTE approved FDP by IIT Bombay on '**Use of ICT in Education for Online and Blended Learning**' from 2<sup>nd</sup> May to 10<sup>th</sup> July 2016.
9. Attended One Day FDP on "**All about Self dependence and Advantages of Technology and Digital Marketing**" conducted by Lemures Technology, at Finolex Academy of Management and Technology, Ratnagiri on 23 September 2016.
10. Attended One Week STTP on "**Assessment and Accreditation with NAAC for Quality Improvement of the Institute**" at Saraswati College of Engg. Kharghar, Navi Mumbai from 06-10 July 2015.
11. Attended One Week FDP "**Yoga Course**" conducted by FAMT, Ratnagiri, from 17-22 June 2015.
12. Attended One Week QIP Short Term Course (STTP) on "**Satellite Image Processing and Analysis**" conducted by IIT, Bombay from 03-07 January 2011.
13. Attended One-week ISTE STTP on "**Advanced Communication Systems**" at VIIT, Pune, from 23-28 June 2008.
14. Attended Two Day CEP (STTP) Course on "**Wireless Networks**" conducted by IIT Bombay from 27-28 November 2006.
15. Attended Two Week STTP on "**Broadband Communication: Current Trends and Applications**" jointly organized by University of Mumbai and ISTE Chapter KJSCE, from 19-30 June 2006.

### **Conferences and Seminars**

16. Attended a Webinar on "**Qualitative and Quantitative Metrics in RAAF of NAAC**" organized by Rajlaxmi Engineering College, Chennai on 17 September 2021.
17. Attended a Webinar on "**Role of GURU and Responsibilities of SHISHYA in the World of Virtual Learning**" organized by ASSOCHAM India on 05 September 2020.
18. Attended a Webinar on "**Innovation and Leadership**" organized by I<sup>2</sup>IT, Pune on 29 August 2020.
19. Attended a Webinar on "**Higher Education: Transform the COVID-19 threat into a New Model of Education**" organized by I<sup>2</sup>IT, Pune on 09 July 2020.
20. Attended a Webinar on "**Computational Electromagnetics Techniques using Altair FEKO + Win Prop.**" organized by DesignTech Systems, on 25 April 2020.

### **Two Week or One Week Workshops**

21. Attended one week workshop on weekends on "**Funding schemes Available for Research Proposals**" organized by RDCC, Finolex Academy of Management and Technology, Ratnagiri from 13<sup>th</sup> February to 23<sup>rd</sup> April 2016.
22. Attended Two Week ISTE Workshop on "**Computer Networking**" Conducted by IIT Bombay under the National Mission on Education through ICT sponsored by MHRD at RC 1065 (FAMT) from 30 June to 05 July 2014.
23. Attended One week Coordinator's ISTE-IITKGP Workshop on "**Analog Electronics**" conducted by IIT, Kharagpur under NMEICT sponsored by MHRD from 01-05 April 2013.

### **Workshops**

24. Attended One day Workshop on "**Excel at MS Excel for Effective Organization of Quantitative Metrics data of NAAC**" organized by Vidyalankar Institute of Technology, Mumbai (Online mode) on 15<sup>th</sup> May 2021.
25. Attended One day Workshop on "**Arduino**" organized by IIT Bombay with PMMMNMTT (MHRD) on 08<sup>th</sup> February 2020.

26. Attended One day Workshop on **"eSim, a First Course in the IoT Series for Teachers"** organized by IIT Bombay with PMMMNMTT (MHRD) on 21<sup>st</sup> September 2019.
- 27.
28. Attended One day Workshop on **"New NAAC Guidelines and Self-study Report Writing"** organized by IQAC, of SIES, (Nerul), College of Arts, Science and Commerce, Nerul on 7<sup>th</sup> October 2017.
29. Attended Two-day workshop on **"RF and Antennas – From Theory to Practice"**, organized by Department of Electronics and Telecommunication Engineering, Finolex Academy of Management and Technology, Ratnagiri, on 11-12 August 2017.
30. Attended Four-day workshop on **"Embedded C Programming and Applications Development"**, organized by Department of Electronics Engineering, Finolex Academy of Management and Technology, Ratnagiri, from 04-07 August 2017.
31. Attended Three-day workshop on **"Networking Fundamentals with Hands on using NS-2 / NS-3 and Unified Communication"**, at Finolex Academy of Management and Technology, Ratnagiri, on 27-29 January 2017.
32. Attended Two-day workshop on **"Accreditation Process for Technical Institutions"**, at Dr. D.Y. Patil School of Engg., Lohegaon, Pune, on 15-16 December 2016.
33. Attended Two-day workshop on **"Funding Schemes Available for Research"**, at Finolex Academy of Management and Technology, Ratnagiri, from 13 February 2016 to 23 April 2016.
34. Attended Two-day workshop on **"Basics of Antenna Design and Hands-on CST Microwave Studio"**, at Vidya Pratishthan's College of Engineering, Baramati, on 30-31 October 2015.
35. Attended a Three-Day Training Programme (Workshop) on **'Practical Electromagnetics for Modern Antennas, RF and Microwave Designs Using ANSYS HFSS'** at Dr. Babasaheb Ambedkar Technological university, Lonere, jointly organized by DBATU and Entuple Technologies from 25 to 27 September 2015
36. Attended Two-day workshop on **"Mobile Antenna - Design, Fabrication and Testing"**, at Finolex Academy of Management and Technology, Ratnagiri, on 01-02 August 2015.
37. Attended 2 Day **"RF Filter Design Workshop"** conducted by IEEE-DBIT MTT-S Student Chapter on 13-14 September 2014.
38. Attended 2 Day ISTE Workshop for Teachers on **"Aakash for Education"** Conducted by IIT Bombay under the National Mission on Education through ICT at RC 1065 (FAMT) on 10-11 November 2012.
39. Attended One day Workshop on, **"New Paradigms in Accreditation System"** organized by Aasaan eduCare Private Limited at Hotel pride, Pune, on 5<sup>th</sup> November 2011.
40. Attended a Two-day Workshop on **"Virtual Labs, Electronics "**conducted by IIT, Bombay, in Association with MHRD (Govt. of India) at Finolex Academy of Management and Technology, Ratnagiri on 09<sup>th</sup> and 10<sup>th</sup> April 2011.
41. Two-day workshop on **"Simulation of Electronics Circuits & Power Electronics Systems using SEQUEL"**, at Finolex Academy of Management and Technology, Ratnagiri 31 October and 01 November 2009.
42. Attended One day Workshop on **"Engineering Electromagnetics – Practical Approach"** jointly organized by ISTE Chapter KJSCE and University of Mumbai, on September 01, 2007.
43. Attended Two-day workshop on **"Linux"** at Finolex Academy of Management and Technology, Ratnagiri in August 2006.
44. Attended One day workshop on **"Advances in Micro-electronics"**, organized by IIT Mumbai at Finolex Academy of Management and Technology, Ratnagiri on 15 March 2003.

#### Certification Course / Refresher Courses completed - 6

1. Completed 06 Week **Online Course** on **"Bits and bytes of Computer Networking"** conducted by **Coursera** from April to May 2020 (Google certified).



2. Completed **12 Week NPTEL Online Course** on "**Applied Electromagnetics for Engineers**" conducted by IIT Kanpur from July to October 2017 with a score of 72% (Elite).
3. Completed **08 Week NPTEL Online Course** on "**Basic Electrical Circuits**" conducted by IIT Kharagpur from July to September 2017 with a score of 60% (Elite).
4. Completed **08 Week NPTEL Online Course** on "**Programming in C++**" conducted by IIT Kharagpur from July to September 2017.
5. Completed **12 Week** (30 Hours) NPTEL Online Course on "**Computational Electromagnetics & Applications**" conducted by IIT Bombay from July to October 2016
6. Attended one Week CEP Course on "**Linear Algebra and other Fundamentals for Engineers**" conducted for Dr. BATU, Lonere under TEQIP – II by IIT Bombay, at Mumbai, from 18<sup>th</sup> to 22<sup>nd</sup> June 2016.

#### Technical Seminars/ Workshop/ Lecture/ Invited Talks As a Resource Person - 4

1. Delivered Seminar on "**Career planning with FAMT**" at Govt. Polytechnic., Pen
2. Delivered Seminar on "**Career planning with FAMT**" at Polytechnic., Nagothane
3. Delivered Seminar on "**Career planning with FAMT**" at Govt. Polytechnic, Malvan
4. Delivered Lectures (02 Days) on the Subject "**Electromagnetic Wave Theory and Propagation**" – Sem IV , EXTC at Gharda Institute of Technology, Lavel

#### Extension / Outreach Programs/ Social Programs As a Resource Person

NIL

#### Professional Membership

1. Indian Society of Technical Education (**ISTE**) (Life Member - LM 29426)
2. Institute of Electrical and Electronics Engineers. (**IEEE**) (Member 92620161)
3. The institution of Engineering and Technology (**IET**), (Membership Number - 1100966478)

#### Other Experience

##### Paper Reviewer/ BOS Member/ Editorial Board Member

1. Worked as a **Session Chair** of **International Conference MULTICON-W 2023 held** during 20-25 February 2023 organized by TCET, Thane.
2. Worked as a **Reviewer** of 4<sup>th</sup> IEEE Bombay Section Signature Conference (**IBSSC-2022**) held from 8-10 December 2022 at SVKM's NMIMS MPSTME, Mumbai.

##### College Level Administrative Responsibilities

1. Worked as Head of Electronics Engineering Department from July 2008 to June 2021.
2. Working as **Head of NAAC Criteria – II** for Finolex Academy of Management and Technology, Ratnagiri.
3. Worked as Officer I/C Examinations from September 2006 to May 2010.
4. Worked as a **Member** of **Anti Ragging committee** of Finolex Academy of Management and Technology, Ratnagiri.

5. Worked as **Remote Center Coordinator** of RC1065 (FAMT) from June 2012 to January 2014 under the NMEICT ISTE IITB / IITKGP Workshops sponsored by MHRD (Govt. of India) as shown below.

|     |  |  |
|-----|--|--|
| i   | "Introduction to Research Methodologies"     | 25 <sup>th</sup> June to 4 July 2012                       |
| ii  | "Engineering Thermodynamics"                 | 11 <sup>th</sup> to 21 <sup>st</sup> December 2012         |
| iii | "Research Methods in Educational Technology" | 2 <sup>nd</sup> and 9 <sup>th</sup> February 2013          |
| iv  | "Database Management Systems"                | 21 <sup>st</sup> to 31 <sup>st</sup> May 2013              |
| v   | "Analog Electronics"                         | 4 <sup>th</sup> to 14 <sup>th</sup> June 2013              |
| vi  | "Engineering Mechanics"                      | 26 <sup>th</sup> November to 6 <sup>th</sup> December 2013 |
| vii | "Signals and Systems"                        | 2 <sup>nd</sup> to 12 <sup>th</sup> January 2014           |

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

1. Worked as a **subject expert for Electronics & Telecommunication Engineering** on the panel for interviews organized by GIT, Lavel in the year 2009.

### **Projects / Software Development**

1. Developed the **Examinations Result Preparation System** (Sem III to Sem VI) based on Microsoft Excel for Rajaram Shinde College of Engineering, Pedhambe in the year 2010-11.

### **Subjects Taught**

| <b>Sr. No.</b> | <b>Name of the Subject</b>             | <b>Year/Branch/Semester</b> | <b>Experience (no. of times taught)</b> |
|----------------|--|-----------------------------|---|
| 1.             | Principle of Communication             | SE / Info Tech / Sem III    | 3                                       |
| 2.             | Wireless Technology                    | TE / Info tech / Sem VI     | 2                                       |
| 3.             | Internet of Everything                 | BE / Info Tech / Sem VII    | 2                                       |
| 4.             | Electromagnetic Engineering            | TE / Electronics / Sem V    | 14                                      |
| 5.             | Electromagnetic Fields and Waves       | TE / Electrical / Sem V     | 11                                      |
| 6.             | Electromagnetic Fields and Waves       | SE / Electrical / Sem IV    | 3                                       |
| 7.             | Digital Communication                  | TE / Electronics / Sem V    | 9                                       |
| 8.             | Data Communication and Networking      | BE / Electronics / Sem VIII | 8                                       |
| 9.             | Principle of Communication Engineering | SE / Electronics / Sem IV   | 1                                       |



|     |  |   |   |
|-----|--|---|---|
| 10. | Electronics I                              | SE / Electrical / Sem III               | 3 |
| 11. | Electronics II                             | SE / Electrical / Sem IV                | 2 |
| 12. | Basic Electricity and Electronics – I      | FE / Mech / Sem I                       | 1 |
| 13. | Computer Programming - I                   | FE / All / Sem I                        | 3 |
| 14. | Computer Programming - II                  | FE / All / Sem II                       | 2 |
| 15. | Robotics                                   | BE / Electronics / Sem VIII             | 1 |
| 16. | Digital Image Processing                   | BE / Electronics / Sem VII              | 1 |
| 17. | Basics of Analog and Digital Communication | BE / Electrical / Sem VII               | 2 |
| 18. | Microwave and optical Fiber Communication  | BE / Electronics / Sem VII              | 2 |
| 19. | Microwave Devices and Circuits             | TE / Electronics / Sem VI               | 3 |
| 20. | Advanced Microwave Engg.                   | BE / Electronics & Telecomm. / Sem VIII | 2 |
| 21. | Wave Theory and Propagation                | SE / Electronics & Telecomm. / Sem IV   | 4 |
| 22. | Communication Networks                     | BE / Electronics / Sem VII              | 4 |
| 23. | Satellite TV and Video Technology          | TE / Electronics / Sem VI               | 3 |
| 24. | Fundamentals of Microwave Engineering      | BE / Electronics & Telecomm. / Sem VII  | 1 |
| 25. | Electronic Instruments                     | SE / Electronics / Sem IV               | 1 |
| 26. | Telecom Network Management                 | BE / Electronics / Sem VIII             | 1 |

### Any Other Contribution

- 1 Worked as a Member of '**Admission Counseling Cell**'. Delivered a seminar on "Career Planning with FAMT" to T.Y. EXTC students of Government Polytechnic, Malvan on 17<sup>th</sup> February 2017.

## Summary

|   |  |    |
|---|--|----|
| <b>Patents</b>  | <b>Granted</b>   | 0  |
|   | <b>Published</b>   | 0  |
|   | <b>Filed</b>   | 0  |
| <b>Copyright</b>  | <b>Granted</b>   | 1  |
|   | <b>Applied</b>   | 0  |
| <b>International Journals</b>                               | <b>Unpaid</b>  | 0  |
|   | <b>Paid</b>  | 10 |
| <b>National Journals</b>                                    | <b>Unpaid</b>  | 0  |
|   | <b>Paid</b>  | 0  |
| <b>Conferences</b>  | <b>International</b>   | 6  |
|   | <b>National</b>  | 3  |
| <b>Book / Book Chapter Publications</b>                     | <b>Book Published</b>  | 0  |
|   | <b>Book Chapter Published</b>                                | 0  |
| <b>Research Grant</b>                                       | <b>Research Grant Received</b>                               | 0  |
| <b>Number of FDP's attended</b>                             |  | 7  |
| <b>Number of STTP's attended</b>                            |  | 8  |
| <b>Number of 2 Weeks Workshops attended</b>                 |  | 1  |
| <b>Number of 1 Week Workshops attended</b>                  |  | 2  |
| <b>Number of Seminars / Webinars attended</b>               |  | 5  |
| <b>Number of Certification / Refresher Courses attended</b> |  | 6  |
| <b>Resource Person Contribution</b>                         | <b>Technical Talks / Seminars / Lectures, etc</b>            | 4  |
|   | <b>Outreach Programs / Social Programs / Extensions, etc</b> | 0  |