

Name MR. SURAJ ANIL SHETE
B.E.(ELECTRONICS),M.E.(ELECTRONICS)

Designation Assistant Professor

Department ELECTRONICS

Date of Joining the Institute 05/08/2013

Education B.E. (ELECTRONICS) 2012

M.E. (ELECTRONICS) 2015

Branch / Specialization ELECTRONICS

Areas of Interest ROBOTICS AND AUTOMATION, SIGNALS AND SYSTEMS, DIGITAL IMAGE PROCESSING,DSP

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Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
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Finolex Academy of Management and Technology, Ratnagiri

From 05/08/2013 to till date

Assistant Professor

Total Experience – 4.5 Years

Awards / Honors / Prizes

1. **Book published on "Video encoding with authentication using Multiwavelet Transform" in LAMBERT, Germany.**
2. **Book published on "Walsh Hadamard Transform: An effective PAPR reduction approach in OFDM" in LAMBERT, Germany.**
3. **Secured 1st position in "Avishkar 2016-17 college level research project convention" as a part of Research Convention of University of Mumbai under Engineering and Technology category held at FAMT Ratnagiri on 4th October 2016.**
4. **Got Honour code certificate from IIT Bombay for successfully completion of course on "Technical Communication for Scientist and Engineers" on 4th May 2016.**

5. **Secured A Grade** in Two Week ISTE STTP on '**Introduction to Designs of Algorithm**' Conducted by IIT Kharagpur under the National Mission on Education through ICT from 27th April to 30th May 2015.

Seminars/Lecture/Invited Talks Conducted

1. **Conducted workshop on "Programming with Arduino" in Government Polytechnic Malvan on 3-4 March 2017.**

Papers Published

Papers Presented/Published in National / International Journals - 07

International Journals – 07

1. Paper titled "**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.
2. Paper titled "**WHT and Double WHT: An effective PAPR reduction approach in OFDM**" in IEEE Xplore Digital Library DOI: [10.1109/ICAECCT.2016.7942577](https://doi.org/10.1109/ICAECCT.2016.7942577).
3. Paper titled "**Walsh hadamard Transform : A new approach for PAPR reduction in OFDM**" in Asian Journal of Convergence in Technology (AJCT) volume II, Issue III, ISSN no.: 2350-1146.
4. Paper titled "**Edge – Coupled DGS Composite Bandpass Filter for Wi-Max Application**" in International Journal of Modern Trends in Engineering and Research (IJMTER) volume. 2, Issue (11), November2015, pp. 109-113.
5. Paper titled "**A New Approach for Spoken Word Detection**" in International Journal of Modern Trends in Engineering and Research (IJMTER) volume. 2, Issue (09), September2015, pp. 196-201.
6. Paper titled "**PAPR reduction of OFDM signal using Walsh Hadmanrd transform**" in International journal of research in science and technology (IJRST) Volume 5 Issue no.1,January-march ISSN: 2249:0604.
7. Paper titled "**PAPR reduction techniques in OFDM: A brief review**" in International journal of Engineering Research and Technology (IJERT) ISSN: 2278-0181, VOLUME 3 Issue 4, April 2014.

Papers Presented/Published in National/ International Conferences - 03

International Conferences – 02

1. Paper Presented titled **“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) Rajarshi Shahu College of Engineering, Pune India. Dec 2-3, 2016.
2. Paper presented titled **“Walsh Hadamard Transform: An effective PAPRR reduction approach in OFDM”** in International conference on Electronics & Computing 9-10 April,2015 at D.K.T.E.'s Textile and Engineering Institute, Ichalkaranji.

National Conferences – 01

1. Paper presented titled **“Walsh Hadamard Transform: A new approach for PAPR reduction in OFDM”** in National conference on Recent Advances in Science and Technology 18-19 Feb. 2016 at FAMT Ratnagiri.

Number of Workshops, Seminars, STTPs, FDPs Attended – 18

1. 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
2. Attended **2016 IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT)** at Rajarshi Shahu College of Engineering, Pune India. Dec 3, 2016.
3. Attended **International conference on Electronics & Computing** 9-10 April,2015 at D.K.T.E.'s Textile and Engineering Institute, Ichalkaranji.
4. Attended 2 days workshop on **“RF and Antennas- From Theory to Practice”** organized by Department of Electronics and Telecommunication Engineering FAMT Ratnagiri during 11th and 12th August,2017.
5. Attended 1 day **MATLAB EXPO-2017** conducted by Mathworks.
6. Attended 2 days workshop on **‘Raspberry Pi’** conducted by Robocart.
7. Attended 3 days workshop on **‘Embedded Systems and Robotic Design’** conducted by PPCRC, Pune.
8. Attended STTP approved Two day workshop on **‘Internet Of Things’** conducted by Department of Computer Science and Engineering at Sant Gajanan Maharaj College of Engineering, Mahagaon.
9. Attended Two Week ISTE workshop on **‘Designs of Algorithm’** Conducted by IIT Kharagpur under the National Mission on Education through ICT.

10. Attended Two Week ISTE workshop on '**Computer Network**' Conducted by IIT Bombay under the National Mission on Education through ICT.
11. Attended Two Week ISTE workshop on '**Control Systems**' Conducted by IIT Kharagpur under the National Mission on Education through ICT.
12. Attended Two Week ISTE workshop on '**Pedagogy for effective use of ICT in Engineering Education**' Conducted by IIT Bombay under the National Mission on Education through ICT.
13. Attended Two Week ISTE workshop on '**Signals and Systems**' Conducted by IIT Kharagpur under the National Mission on Education through ICT.
14. Attended one day orientation program on Inter collegiate Research Convention Avishkar 2014-15 conducted by FAMT Ratnagiri on behalf of Mumbai University.
15. Attended one-week Yoga course organized by FAMT Ratnagiri.
16. Attended one week workshop on "**Funding Schemes Available for Research Proposal**" conducted by FAMT Ratnagiri.
17. Attended Two week STTP on "**MATLAB & SIMULINK: Learning by Doing**" under ISTE-TEQIP-II conducted by Government College Of Engineering Karad from 06-06-2016 to 18-06-2016.
18. Successfully completed a course of study on "**Technical Communication for Scientist and Engineers**" offered by IIT BombayX between 11 January 2016-02 May 2016.

College Exam Duties

1. Worked as a **Senior Supervisor** of **Engineering 2017 Winter Exam- Morning session (From 12/12/2017 to 16/12/2017)**.
2. Working as Departmental Exam in-charge of Sessional Exams for academic year 2017-2018.
3. Worked as a **Senior Supervisor** of **Engineering 2016 Winter Exam-Evening session (From 20/12/2016 to 29/12/2016)**.
4. Carried out exam related duties such as **Moderator, Examiner and External Examiner** for conducting theory, practical and oral exam as appointed by Board of Examination, Mumbai University.

Other Experience

College Level Committees

1. Working as Departmental coordinator for **NAAC criteria I.**
2. Working as Departmental coordinator for **NAAC criteria II.**
3. Working as a **Departmental Academic Feedback committee co coordinator** of Finolex Academy of Management and Technology, Ratnagiri.
4. Worked as departmental organizing **committee member** in 2nd National Conference on **"Recent Advances in Science and Technology"**

Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	No. of times taught
1.	Continuous Time Signals and Systems	T.E. Electronics (Sem -V)	1
2.	Robotics and Automation	B.E. Electronics (Sem-VIII)	4
3.	Signals and Systems	T.E. Electronics (Sem -V)	3
4.	Digital Signal Processing and Processors	T.E. Electronics (Sem -VI)	2
5.	Digital Image Processing	B.E. Electronics (Sem-VII)	3