Name	**MR. SAURABH SHRIKANT ATHALYE** **B.E(E&TC),M.E.(ELECTRONICS),** **PhD (Pursuing)**
Date of Birth	30/01/1987
Highest Qualification	Master of Engineering
Branch / Specialization	**Electronics**
Designation	Assistant Professor
Department	Electronics & Telecommunication
Date of Joining the Institute	17/01/2019
Email address	saurabh.athalye@famt.ac.in

Academic Appointments

Name of the University / Institute	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 17/01/2019 to till date	Assistant Professor
K.K.Wagh Institute of Engineering Education & Research, Nashik	From 29/01/2018 to 03/11/2018	Assistant Professor
Rajendra Mane College of Engineering & Technology,Ambav	From 26/08/2008 to 27/01/2018	Assistant Professor

Total Experience – 15 Years

Papers Presented/Published in National/ International Conferences (05)

1. Paper presented titled " **Comparative Study of Brain Tumor Classification Using SVM and PNN Classifier**" International Conference on Emerging Trends in Science & Technology (ICETST-2018) at Gateway Institute of Engineering and Technology, Gateway Campus, Sector 11, Sonipat, Haryana, India on 13th April 2018, ISBN: 978-93-87433-20-5

2. Paper presented titled "**Mobile proximity detection using wrist watch**" in national conference

on Changing technology and rural development CTRD 2K16 held during 16-17 December 2016 at RMCET, Ambav

3. Paper presented titled "**Android App Based Tourist Guide**" In 2nd national conference on Recent Advances in Science and Technology at Finolex Academy of Management and Technology, Ratnagiri on 17 to 18 February 2016.

4. Paper presented titled "**Robust dual watermarking using SVD and DWT**" In National Conference on Nascent trends in Information and Communication Technology at Terna Engineering College, Nerul, Navi Mumbai on 11 to 13 March 2013

5. Paper presented titled " **Novel approach for Blood Vessel Segmentation, Optic Disc Segmentation and Microaneurysm detection for automatic diabetic retinopathy detection**" in online mode during the 6th International Conference on Engineering Research & Innovations, Equinox - 2021 organized from 17th to 18th June, 2021 at Terna Engineering College, Nerul, Navi Mumbai.

Papers Presented/Published in National/ International Journals (07)

1. Paper titled "**Taylor series-based deep belief network for automatic classification of diabetic retinopathy using retinal fundus images**" Int J Imaging Syst Technol. 2022; 32(3): 882- 901. doi:10.1002/ima.22691

2. Paper titled " **Survey of Automatic Detection of Diabetic Retinopathy using digital image processing**" International Journal of Computer Sciences and Engineering, Vol.7, Issue.3, pp.352-355, 2019.

3. Paper titled " **Comparative Study of Brain Tumor Classification Using SVM and PNN Classifier**" International Journal of Computer & Mathematical Sciences IJCMS ISSN 2347 – 8527 Volume 7, Issue 4 April 2018

4. Paper titled "**Moving Object Detection Using FPGA**." International Journal of Emerging Trends and Technology in Computer Science, Volume 3 - Issue 3 May-June 2014 page no.219-222-ISSN 2278-6856

5. Paper titled "**Detection of Moving Object Based on Background Subtraction** "International Journal of Emerging Trends and Technology in Computer Science, Volume 3, Issue 3 May-June 2014 Page No-215 to 218-ISSN 2278-6856

6. Paper titled "**Self Organizing Approach for Moving Object Detection and Tracking for Visual Survey-lance**" International Journal of Engineering and Technical Research, Volume 2, Issue 5, May-June 2014 Page No.40-43-ISSN 2321- 0869

7. Paper titled "**Robust dual watermarking using DWT and SVD**" International Journal of Emerging Trends and Technology in Computer Science, Volume 2, Issue 4 July- August 2013 Page No-360 to 363-ISSN 2278-6856

Patents

1. Published an Indian Patent titled '**Digital retinal screening system embedded smart watch architecture**' (Application No- 202021005620, CBR No- 3653) on 21/02/2020

Books Written

"Use of singular value decomposition for digital image watermarking" Publisher: Lambert Academic Publishing. ISBN (978-613-5-80134-7).

Consultancy work

1. Provided Consultancy Service to Kokan Vastu (Real estate portal) for 'Optimization of web portal and digital marketing strategy'.

2. Provided consultancy service to Unbox - Food Delivery Application for setting up new franchise at Chiplun:
Strategy for on-boarding new Hotel Partners, Technology training to Hotel Partners, delivery manpower and office staff, Technical process optimization for business growth.

2. Provided Consultancy Service to Snehankur Home Stay for their Local- Search Engine Optimization.

3. Provided Consultancy Service to Kelkar Insurance Services for setting up CRM for their business optimization process.

4. Provided Consultancy Service to K.S.Powar builders and developers for optimization of Lead generation process using PPC and PPM models on google ads.

Number of Workshops, Seminars, STTPs, FDPs Attended –17

1. Successfully completed ISTE approved Online/SF-STTP/FDP Programme on "AI Algorithms and Applications in Healthcare" held during 19.06.2023 to 23.06.2023 organized by Finolex Academy of Management and Technology, Ratnagiri, Maharashtra.

2. Completed 3 days Faculty Development Program on "Cyber Security" Held from 23rd Jan to 25th Jan 2020 at Finolex Academy of Management and Technology, Ratnagiri.

3. Successfully Completed Twelve Week NPTEL course on "Machine Learning for Engineering and Science Applications" in duration July to October 2019.

4. Attended One week Faculty Development Program on "Machine Learning Techniques using Matlab" from 14th to 18th May 2018 organized by Bharati Vidyapeeth deemed to university College of Engineering, Pune.

5. Completed four week NPTEL online course on "Effective Engineering Teaching in Practice" with Elite certification conducted in Feb-Mar 2018. This course was funded by the ministry of HRD, govt. of India and organized by IIT,Madras.

6. Attended one week online course conducted by ISRO on "UAV remote sensing & applications" from 3rd September 2017 to 7 September 2017.

7. Completed one week AICTE sponsored short term training programme on "Image Processing & Computer Vision" held during 12th -16th December 2016 at College Of Engineering Pune.

8. Completed four month CDEEP online course on "Signals & Systems" with Honour Code certification conducted in July-March 2016. This course was funded by the ministry of HRD, govt. of India and organized by IIT,Bombay.

9. Attended one day workshop on "Outcome based education" organized by department of Automobile & Mechanical Engineering at Rajendra mane College of Engineering & Technology on 12 July 2014.

10. Participated in Two week ISTE Workshop on "Computer Programming" conducted by IIT Bombay in duration 20th May 2014 to 21st June 2014.

11. Participated in Three day Workshop on "Preparing for NBA Accreditation" organized by Bharati Vidyapeeth Deemed University College Of Engineering, Pune from 23rd to 25th September 2013.

12. Participated in ISTE approved one week short term training programme on "Applications of Matlab in Engineering" from 29th August to 2nd September 2013 at Rajendra Mane College Of Engineering & Technology, Ambav.

13. Completed Inplant Industrial Training at BSNL, Ratnagiri from 23rd July to 27 July 2012.

14. Participated in ISTE approved one week short term training programme on "Digital Signal Processing with Image Processing" from 9th July to 13th July 2012 at SAKEC, Mumbai.

15. Completed STTP conducted by Prolific Systems & Technologies pvt ltd. On "Microcontroller Programming Embedded C" during 9th to 12th October 2010 at RMCET, Ambav.

16. Participated in two days' workshop on "Simulation of Electronic Circuits & Power Electronics using SEQUEL" from 31st October to 1st November 2009 at FAMT, Ratnagiri.

17. Attended ISTE approved two week STTP on "Applications of Fuzzy Mathematics & Matlab in Engineering" from 15th December to 26th December at Dr.J.J.Magdum college of Engineering, Jaysingpur.

Membership in Professional Bodies

1. Life member of "ISTE" (LM 80596)
2. Life time Associate Member of "IETE" (AM-501043)

Seminars/Lecture/ Invited Talks Delivered As Resource Person

1. Co-ordinated Employability enhancement programme for SE,TE,BE students in year 2018
2. Delivered seminar on "Virtual Lab" at Government Polytechnic, Ratnagiri.
3. Delivered an expert lecture on "Frequency and Time domain analysis" at Government Engineering College, Karad on 25th September 2019

Received award -The Best Teacher of Electronics & Telecommunication Engineering department for academic year 2016-17 at Rajendra Mane College of engineering & Technology, Ambav-Devrukh.

College Exam Duties - Type of Work

1. Carried out exam related duties such as **Moderator, Examiner and External Examiner** for conducting practical and oral exam as pointed by Board of Examination, Mumbai University.
2. Carried out exam related duties such as **Moderator, Examiner and External Examiner** for conducting practical and oral exam as pointed by Board of Examination, Savitribai Phule Pune University.

Other Experience

1. Worked as a Departmental Training and Placement coordinator for three years at Finolex Academy of Management and Technology, Ratnagiri.

2. Worked as a Departmental Training and Placement coordinator for five years at Rajendra Mane College of Engineering & Technology

3. Worked as a Faculty Head of Student Council for two years at Rajendra Mane College of Engineering &Technology

4. Worked as a Member of attendance monitoring committee for two years at Rajendra Mane College of Engineering & Technology

5. Worked as an Editor of college and departmental newsletter for five years at Rajendra Mane College of Engineering & Technology

6. Worked as an Executive Secretary of National Level Technical Symposium 'URJITAM- 2010' at Rajendra Mane College of Engineering & Technology

7. Worked as a Public Relation Team In charge of National Level Technical Symposium 'URJITAM-2012' at Rajendra Mane College of Engineering & Technology

8. Worked as a Secretary of National Level Technical Symposium 'Scintilla-2014' at Rajendra Mane College of Engineering & Technology

9. Worked as a Secretary and Public Relation team in charge of National Level Technical Symposium 'Scintilla2K16' at Rajendra Mane College of Engineering & Technology.

10. Worked as a departmental coordinator of Entrepreneurship Development Cell for 6 months at K.K.Wagh Institute of Engineering education & Research, Nashik.

Subjects Taught

SR	Name of the subject	Year/Branch/	Experience in years
1	Signals & Systems	T.E.-E & TC	4

2	Discrete Time Signal Processing	T.E.-E & TC	4
4.	Principles of Communication Engineering	S.E.-E&TC	2
5.	Object Oriented Programming Methodology	S.E.-E&TC	3
6.	Speech Processing	B.E.-E & TC	2
7.	Basic Electrical & Electronics Engineering	F.E.	2
8.	Basic Electrical Engineering	F.E.	1
9	Basic Electronics	F.E.	1
10	Television & Video Engineering	T.E.-E & TC	2
11	Industrial Economics & Telecomm Regulation	T.E.-E & TC	2
12	Industrial Economics & Management	T.E.-E & TC	1
13	Mobile Communication	B.E.-E & TC	2
14	Computer Communication Network	T.E.-E & TC	3
15	Skill lab: Python Programming	S.E. E&TC	1
16	Skill lab: C++ and java programming	S.E. E&TC	2