Name	Santosh Vitthalrao Jadhav BE, MTech (Electronics Engg.)

Designation	Associate Professor
Department	Information Technology
Date of Joining the Institute	01/07/1997
Education	Master of Technology in Electronics Engineering from VNIT Nagpur, Nagpur University, April 1997
	Bachelor of Engineering in Electronics Engineering from STBCOE Tuljapur (Dist-Osmanabad), BAMU Aurangabad, November 1993
Branch / Specialization	Electronics Engineering
Areas of Interest / Research Interest	Signals and Systems, Soft Computing
Email	santosh.jadhav@famt.ac.in, Jadhav.Santoshrao@gmail.com
Personal Homepage link	famt.ac.in/facultyinfo/getProfile.php?name=SVJ

Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 01/01/2006 to till date	Associate Professor in Electronics Engineering
Finolex Academy of Management and Technology, Ratnagiri	From 05/06/2002 to 31/12/2005	Assistant Professor in Electronics Engineering
Finolex Academy of Management and Technology, Ratnagiri	From 01/07/1997 to 04/06/2002	Lecturer in Electronics Engineering
TPCT's College of Engineering, Osmanabad	From 18/03/1995 to 31/07/1995	Lecturer in Electronics Engineering

TPCT's College of Engineering, Osmanabad	From 07/02/1994 to 30/06/1994	Lecturer in Electronics Engineering

Total Experience – 27 Years (As on 01/01/2023)

Patents Granted / Published / Filed - Write total no. of patents granted / published / filed here

Patent Granted - 01

"An Automatically Switchable Charging System", Patent application No. 20 2022 100 095.6, by the President of the German Patent and Trademark Office (Status: Granted on 19/01/2022)

Papers Published

Papers Published in National / International Journals – 12 Papers

International Journals – 11 papers

1. Paper titled **"Multipurpose Text Data Extractor web service ",** Journal of Basic Sciences, **UGC Approved Journal, April-2023, ISSN 1006-8341** (Unpaid)

2. Paper titled **"Multipurpose Text Data Extractor web service",** International Journal of Research and Analytical Reviews (IJRAR), **UGC Approved Journal, Oct-2022, ISSN 2349-5138** (Unpaid)

3. Paper titled **"DJANGO based web application to empower skilled people",** Iconic Research and Engineering Journals, **May-2021, ISSN 2456-8880** (Paid)

4. Paper titled **"Data cleaning of totally unorganized data collected through web crawling",** International Journal of Research and Analytical Reviews (IJRAR), **UGC Approved Journal, July 2020, ISSN 2349-5138** (Paid)

5. Paper titled **"Developing OCR Based Automatic Contact Number Retrieval System",** International Journal of Management, Technology And Engineering (IJMTE), ISSN: 2249-7455, **October 2018, Volume-8, Issue X** (Paid)

6. Paper titled **"Web Based Question Paper Setting Satisfying Predefined Course Outcomes (COs)",** International Journal of Computer & Mathematical Sciences (IJCMS), **April 2018, ISSN 2347-8527**, Volume 7, Issue 4. (Paid)

7. Paper titled **"Real Time Collision Prediction with Raspberry Pi for Blind Person using Image Processing",** Journal of Computer Technology and Applications, **April 2018, eISSN: 2229-6964, ISSN: 2347-7229** Volume 1, Issue 1, Pages 1-4. (Paid)

8. Paper titled **"Real-Time Collision Detection for Visually Impaired People",** Journal of Microcontroller Engineering and Applications, **UGC Approved Journal, ISSN 2455-197X, 2018**, Volume-5, Issue-1. (Unpaid)

9. Paper titled **"Use of Technological Tool in Effective Teaching-Learning",** International Education & Research Journal [IERJ] **Nov. 2017, E-ISSN No. 2454-**

9916, Volume 3, Issue 11, pp. 66-68 (Paid)

10. Paper titled **"Automatic Question Paper Generating System for Satisfying Course Objective"**, International Journal for Research in Applied Science & Engineering Technology (IJRASET), **UGC Approved Journal, October 2017, ISSN: 2321-9653**; Volume 5 Issue X, pp. 954-958 (Unpaid)

11. Paper titled **"Automated crossword generator: an active learning tool"**, Asian Journal of Convergence in Technology, **UGC Approved Journal,** Volume 2, Issue III, **February 2016, ISSN No. 2350 – 1146** (Unpaid)

National Journals –01 software

1. The software named **"Game of Othello"** developed in C++ was published in CHIP CD of **July 2000.** (Unpaid)

of July 2000.

Papers Presented/Published in National/ International Conferences – 10 papers

International Conferences – 08 papers

1. Paper presented titled **"Canteen Automation System"**, International Conference on Communication and Computing-2022, **April-2022**

2. Paper presented titled **"OCR Based Automatic Contact Number Retrieval System"**, 3rd International Conference on Advanced Trends in Engineering (ICATE-2019) at DMCE Airoli, **April 2019**.

3. Paper presented titled **"Developing OCR Based Automatic Contact Number Retrieval System"**, International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM-2018), **14th October 2018**, at Maratha Chamber of Commerce Industries & Agriculture, Senapati Bapat Road, Pune, Maharashtra (India).

4. Paper presented titled **"Web Based Question Paper Setting Satisfying Predefined Course Outcomes (COs)"**, International Conference on Recent Innovation in Engineering, Science and Management (ICRIESM-2018)" at The Institute of Engineers, India, Maharashtra State Center, Mumbai on 8th April 2018.

5. Paper presented titled **"Real Time Collision Prediction with Raspberry Pi for Blind Person using Image Processing"**, 2nd International conference on Science, Technology & Management (ICSTM-2017) at The Institution of Electronics and Telecommunication Engineers, Osmania University Campus, Hyderabad, India on **15th October 2017, ISBN: 978-81-934288-7-0, pp. 353-357**

6. Paper presented titled **"Mango plant leaf disease detection using Image Processing"** International Conference On Emanations in Modern Technology and Engineering (ICEMTE)-2017, **4th – 5th March 2017** at Shree L R Tiwari College of Engineering (SLRTCOE), Mira Road, Mumbai, pp. CMPN- 71—72, **ISBN No. 978-93-5258-745-2**

7. Paper presented titled **"A novel Filtered Multitone Modulation System based on Turbo Equalization for Binary and Quadrature PSK,"** published in the Tenth International Symposium on Wireless Personal Multimedia Communications, Jaipur,

India(WPMC '07), pp.62 – 67, **December 3–6, 2007, EDAS Paper ID 1569060357**.

8. Paper presented titled **"Turbo Equaliza-tion for FMT System,"** XXVIIIth General Assembly of International Union of Radio Science (URSI), New Delhi, India, **October 23–29 2005.**

National Conferences – 02 papers

1. Paper presented titled **"Automated crossword generator: an active learning tool"**, 2nd National Conference on recent Advances in Science and Technology-2016 (RAST 2K16) in **Feb. 2016** at Finolex Academy of Management and Technology (FAMT) Ratnagiri, pp. 285-287, **ISBN No. 978-93-83046-31-7**

2. Paper presented titled" **Turbo-Equalization for Binary and Higher Order PSK,"** National Conference on Broadband Communication Systems, VIIT Pune, pp.3-7, **September 1-3, 2006, ISBN 0-07-062091-1.**

Books / Book Chapter - 02 books

1. **"What is C: Quick Guide to C Programming"**, Narosa Publishing House, New Delhi, **ISBN- 978-81-8487-683-3, November 2019**

2. **"What is C: Quick Guide to C Programming"**, Alpha Science International Ltd., Oxford U.K., **ISBN- 978-1-78332-497-2, November 2019**

Awards / Honors / Prizes / Achievements

1. Achieved **Elite Medal** in the NPTEL's 4 week online course on **"Python for Data Science"** conducted during **Aug—Sept 2019.** Score- 88%**, Topper in Top 1%.**

2. Achieved **Elite+Gold Medal** in the NPTEL's 8 week online course on **"Introduction to R Software"** conducted during **Aug—Sept 2018.** Score- 97%**, Topper in Top 5%.**

3. Achieved **Elite+Gold Medal** in the NPTEL's 8 week online course- **"Programming, data structures and algorithms using Python"** conducted from **July—Sept 2017** Score- 94%**, Topper in Top 1%.**

4. **GATE-95 Score:** 93.96 perc. in Electronics and Communication Engineering.

Students projects Guided at UG/PG/Doctoral Level

Projects Guided at UG Level

AY 2023-24:
1. Developing web-app for text data extraction

2. Multipurpose Text Data Extractor web service

AY 2022-23:
3. Multipurpose Text Data Extractor web service

4. Image Classification App.

AY 2021-22:
5. Canteen Automation System

6. Automobile Service App for Customer and Service Provider

Number of Workshops, Seminars, STTPs, FDPs Attended – 22

STTP / FDPs

1. Completed ISTE approved FDP program on **"Advancements in Cryptography, Blockchain and Cryptocurrency"** held during **05-12-2022 to 16-12-2022** organized by FAMT Ratnagiri.

2. Attended online FDP for the **subjects ITC701:AI and DS-II and ITL701: Data Science Lab of Sem-VII of BE(IT)** on **4th July 2022** organized by Department of Information Technology, VCET Mumbai on behalf of University of Mumbai.

3. Completed ISTE approved FDP Programme on **"Recent Trends in Information Technology"** held during **16/05/2022 to 20/05/2022** organized by FAMT Ratnagiri.

4. Undergone **"Innovation Ambassador Training (Foundation Level)"** conducted by MoE's Innovation Cell & AICTE during the period from **5th August – 31st August 2021.**

5. Attended The Faculty Orientation Program on **"Python Lab"** organized by TSEC Mumbai on **08 February 2021.**

6. Participated and successfully completed the courseware, practical training and evaluations for **Instructional Excellence in Intelligent System** under the Intel® College Excellence Program conducted in Finolex Academy of Management and Technology, Ratnagiri from **29th January to 1st February 2018**.

7. Participated in ISTE approved one week STTP on **"Designing IOT Based Applications for Smart Cities"** at Finolex Acdemy of Management and Technology, Ratnagiri on **29 January 2018 to 02 February 2018** organized by the Department of Information Technology.

8. Participated in an FDP on **"Self-Dependence and Advantages of Technology &**

Digital Marketing" by Lemures Technologies and IEEE Delhi on **23 September 2016**.

9. Four Week AICTE approved FDP by IIT Bombay on - **Use of ICT in Education for Online and Blended Learning**" spread over the duration from **02 May to 5th August 2016.**

10. STTP **on "Comprehensive Training Programme on ARISTO ROBOT"** by MTAB Chennai for 3 days from **04/02/2014 to 06/02/2014**

11. STTP on **"Applications on DSP"** at IIT Chennai for 11 days from **11/12/2001 to 21/12/2001**

12. Orientation on **"Computer Programming"** at S. P. College Mumbai for 1 day from **10/11/2001 to 10/11/2001**

Conferences and Seminars

1. Attended International Seminar on **"Intelligent Computing For Future Internet (ICFI-2018)"** sponsored by AICTE, and organized by Department of Information Technology, Government College of Engineering, Karad from **19th – 20th January 2018.**

2. **"Higher Education Forum 6th Annual Convention"** at KJSIMSR Mumbai for 1 day from **14/03/2015 to 14/03/2015**

Two Week or One Week Workshops

1. One week workshop on **"Funding Schemes Available for Research Proposal"** during 13 Feb.—23 April 2016

2. "ISTE coordinators' workshop on Computer Programming in IITB" for 6 days from **21/04/2014 to 26/04/2014**

Workshops

1. Attended the one-day workshop on **How to prepare an event report and use data collection templates**, organized by IQAC FAMT Ratnagiri on **20 August 2022**.

2. Attended the **coordinators' workshop on Python** on **25 May 2019**. This training was organized by Teaching-Learning-Centre (ICT) at IIT Bombay.

3. DTE & NASSCOM's workshop on **"Foundation Skill in IT"** during **02—07 May 2016**.

4. "**Akash For Education Workshop**" by IIT Bombay for 2 days from **10/11/2012 to 11/11/2012**

5. **"Sequential to Parallel: The Paradigm Shift"** a Workshop by I2IT Pune for 1 day from **29/03/2010 to 29/03/2010**

6. **"Introduction to GNU/LINUX (workshop)"** at VJTI, Matunga, Mumbai for 1 day from **21/10/2001 to 21/10/2001**

Certification Course / Refresher Courses completed - 03

1. NPTEL's 4 week online certification course**-"Python for Data Science" conducted from Aug.—Sept 2019.**

2. NPTEL's 8 week online certification course**-"Introduction to R Software" conducted from Aug—Sept 2018.**

3. NPTEL's 8 week online certification course**-"Programming, data structures and algorithms using Python" conducted from July—Sept 2017.**

Technical Seminars/ Workshop/ Lecture/ Invited Talks As a Resource Person - 01

1. Two Days Seminar on **Statistical Signal Systems**, **February 2-3, 2007** at D.J. Sanghvi College of Engineering, Mumbai

Professional Membership

1. Indian Society of Technical Education (I.S.T.E) Life Member since 2000.

   Membership ID- LM29420

Other Experience

College Level Administrative Responsibilities

1. Currently working as Criteria-IV Head of NBA at FAMT Ratnagiri.

2. Currently working as IA coordinator of IT department.

3. Worked as Criterion-IV Head of NAAC committee at FAMT Ratnagiri during Academic years 2016-17 to 2018-19.

4. Worked as HOD(InfoTech Department) at FAMT Ratnagiri from 2001 to 2017 (17 years).

5. Worked as an Admin Panel Controller for Web Hosting and Domain Name of our college web-site from 2001 to 2015 (15 years).

6. Worked as Examination Incharge from 2011 to 2014 (03 years). During that period, I developed Excel Scripting based software to manage University Examination Results.

7. Worked as a Sr. Supervisor, Mumbai University examinations held in Summer-2016 and Summer 2009 at FAMT, Ratnagiri.

8. Worked as a Chief Conductor, Mumbai University examinations held in Winter-2000 and Summer-2002 at FAMT, Ratnagiri.

Judge Panel / Staff Selection Committee / Subject Expert

1. Worked as a **subject expert on the panel of USSC** for the posts of **Lecturers in the subjects of Information Technology and Computer Science** on **13 May 2014** at **Navnirman Shikshan Sanstha, P-63, MIDC Ratnagiri**.

2. Worked as a **subject expert on the panel of selection committee** for the posts of **Assistant Professors and Lecturers in the subject of Information Technology** on **06 May 2010** at **Gharda Institute of Technology, A/O- Lavel, Tal- Khed, Dist- Ratnagiri**. UOM letter no- CONCOL/SC/1442 of 2010.

Subject Taught			
Sr. No.	**Name of the Subject**	**Year/Branch/Semester**	**Experience**
1	AI & DS-II	BE-IT, Sem-VII	2 times
2	Mobile Application Development	BE-IT, Sem-VII	3 times
3	Android Application Development Lab.	BE-IT, Sem-VII	3 times
4	R Programming Lab.	BE-IT, Sem-VIII	3 times
5	Image Processing	BE-IT, Sem-VII	2 times
6	Soft Computing	BE-IT, Sem-VIII	2 times
7	C Programming	FE, Sem-II	5 times
8	Java Programming	SE-IT, Sem-III	3 times
9	Python Lab.	SE-IT, Sem-IV	4 times
10	Computer Applications	SE-Chemical, Sem-IV	3 times
8	Signals and Systems	BE-Electronics, Sem-V	3 times
9	Digital Signal Processing	BE-Electronics, Sem-VII	2 times
10	Advanced DSP	BE-Electronics, Sem-VIII	2 times
11	Electrical Networks	BE-Electronics, Sem-III	3 times