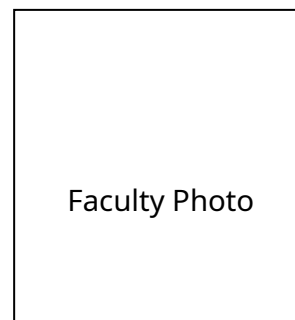


Faculty Profile

Brief Profile

Prof. Savita Sheelavant is an Assistant Professor, Department of MCA at RV College of Engineering, Bengaluru, with over 18.5 years of teaching experience.

She has previously served at EWIT Bengaluru and Basaveshwar Science College Bagalkot. She holds MCA Degree, pursuing Ph. D under VTU. Her areas of interest include Image Processing, and Pattern Recognition, Computer Vision and Machine Learning. She has published over 5 Journal papers and presented several papers at national and international conferences. She has worked on AR/VR-based consultancy projects. She is a Life Member of Indian Society for Technical Education.



Personal Information

- **Name:** Prof. Savita Sheelavant
- **Designation:** Assistant Professor
- **Department:** Master of Computer Applications
- **Email:** savitas.sheelavant@rvce.edu.in
- **Phone:** 080-68188171

Google Scholar / ResearchGate / LinkedIn: [Link if applicable]/ **ORCID:** [Link]

<https://orcid.org/0000-0001-6367-7500>

<https://scholar.google.com/citations?hl=en&user=sazv9pcAAAAJ>

Domain of Expertise

Research Focus

- **Primary Area:** Image Processing
- **Allied Areas:**
 - Pattern Recognition, Computer Vision, Machine Learning

Academic Qualifications

- **Pursuing Ph. D under VTU**
- **MCA, Under VTU, 2006**
- **BCA, Under Karnatak University Dharwad, 2003**

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering, Benagaluru	Assistant Professor	Sep 12, 2012- Till date
2.	East West Institute of Technology Benagaluru	Lecturer	Nov 2007 - Sep 2012
3.	Basaveshwar Science College, Bagalkot	Lecturer	Aug 2006 to June 2007

Publications & Patents

Journal Publications

International Journal

1. Savita Sheelavant, Preethi N. Patil, and Ashwin P R, Drusen Detection in Retinal Optical Coherence Tomography Images, Journal of Technology, ISSN No:1012-3407, Vol 14, Issue 8, Augustpp. 153-165
2. Savita Sheelavant and Preethi Patil, “Analysis of Conventional Imaging Techniques Used in Grading Diabetic Macular Edema”, International Journal of Scientific and Engineering Research (IJSER), DOI:10.14299/000000, Impact factor 4.9, ISSN 2229-5518, Vol 13, issue 11, November 2022, PP 316-321
3. Divya TL, Chandrani C, Saravanan C, Savita S, Jayasimha SR, published a paper titled “Study on The Various Software Application Design and Testing Strategies for Development of Good Quality Software”, International Journal of Creative Research Thoughts - IJCRT (IJCRT.ORG), 10, ISSN: 2320-2882, Issue 5, May 2022 | ISSN: 2320-2882, 641-645
4. Saravanan C and Savita Sheelavant, "An Empirical Study:Data Analytics Fosters Health Care Data Management And Its Outcomes", International Journal of Innovative Research and Advanced Studies (IJIRAS), Volume 4, Issue 6, June 2017, ISSN: 2394 - 4404, PP 4-7
5. Savita S and Dr. Andhe Dharani, “Region based Image Retrieval with high level semantics – A comprehensive investigation” in International Journal of Engineering Techniques and Research (IJETR) ISSN:2321-0869, Volume-1, Issue-7, September 2013

Conference Papers

1. Preeti Patil and Savita Sheelavant, "Detection and Classification of Microaneurysms and Haemorrhages from Fundus Images for Efficient Grading of Diabetic Retinopathy", in the 3rd IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2018) in association with IEEE Bangalore Section organized by GSSS Institute of Engineering and Technology for Women, Mysuru on 14th and 15th December 2018. 978-1-5386-5130-8/18/\$31.00 ©2018 IEEE, PP: 727-730
2. Madhusudana K, Lavanya C, Savita S, "Impact of E-waste on Environment" in 7th International Congress of Environmental Research (ICER-14) on 28th December 2014 at R.V. College of Engineering, Bangalore, Paper Id- SS-I-539, pp 458
3. D.G. Savakar, P.H. Unaki, Savita S, "An Artificial Neural Network Model for separation, classification and gradation of Bulk Grain Samples" IEEE conference on Signal and Image Processing ICSIP, B. V. Bhoomareddi college of Engineering and Technology Hubli, 7th to 9th December 2006, Vol I, pp 511-520

Books/Book Chapters

1. [Author(s)], [Book Title], [Publisher], [Year].

Patents **[Filed / Published / Granted]**

1. [Patent Title], [Patent No.], [Year].

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

- **[Project Title]** – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].
- **[Project Title]** – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].

Ongoing & Completed Consultancy Projects

- Title: AR Based Biogas Plant Development, Funding Agency: Greeneria, Duration: Jan-Feb 2023, Role: Co-PI

Professional Memberships

- Life Membership for Indian Society for Technical Education (ISTE) LM 129336

Awards & Recognitions

- [Award Name], [Organization], [Year]
- [Achievement], [Details], [Year]

Student Supervision

- **MCA Students:** 112

Professional Roles

- **Editorial Board:** Reviewer for an **International Conference on Advanced Communications Technology ICACTconf2024**
- **Committee Member:**
 - IEEE International Conference on Computational Systems and Information Technology for Sustainable Solution CSITSS- During 2018, 2019, 2022,2023
 - AICTE Sponsored National Conference in Association with ISTE: Critical Thinking for GenZ- Multidisciplinary Approach (CTGZMA -2021)
 - 4th International Conference on Expert Clouds and Applications (ICOECA 2024)

Teaching

Core Courses: [Current semester]

- MCA222TB- Analysis and Design of Algorithms

Advanced/Lab Courses:

Cloud Computing, Mobile Application Development

Professional Roles

Responsibilities

- **Academic:** Course coordinator for Analysis and Design of Algorithms, Lab in-charge for Design thinking
- **Administrative:** Alumni Coordinator, Department BOE Member

External Connect

- External Examiner for Theory Valuation work, practical examination and Major Project Viva-Voce
Conducted Workshops on AR/VR as Resource Person in HKBK College of Engineering.

Projects

Number of UG Projects Guided	Number of PG Projects Guided	No. of Doctorate Students	
NA	102	Completed	In Progress
		00	00

Publications

National Journals	National Conferences	International Journals	International Conferences	Book Chapters Published	Patent Granted
NA	03	05	03	NA	NA