


## FACULTY PROFILE

<b>Name</b>	:	<b>Prof. Shama P.S.</b>	
<b>Designation</b>	:	Assistant Professor	
<b>Department</b>	:	Computer Science and Engineering	
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<b>Qualification</b>	:	B.E, M.Tech(Ph.D.)	
<b>ORCID</b>	:	0009-0000-4465-3407	
<b>Google Scholar ID</b>	:	3yRDr8gAAAAJ	
<b>Teaching experience</b>	:	10 Years	
<b>Administrative Responsibilities</b>	:	<ol style="list-style-type: none"> <li>1. Proof reading coordinator CSE Department (2023-2025)</li> <li>2. BOS Member 2022 onwards</li> <li>3. Sports coordinator</li> </ol>	
<b>No. of Projects Guided UG</b>	:	10	
<b>Research Interest Area</b>	:	Image Processing	
<b>Patents</b>	:	<p style="text-align: center;"><i>Patent 02 (Published),</i></p> <ol style="list-style-type: none"> <li>1. "Enhanced Tennis Video Annotation Using CNN'S and Dense Trajectory Methods," published in NATIONAL INDIAN PATENT, dated 31-05-2024 with Application No.202441041323.</li> <li>2. "Integrating Resnet50 and SVM for Advanced Detection of Nutrient Deficiencies in Paddy Fields", published in NATIONAL INDIAN PATENT, dated 31-05-2024 with</li> </ol>	

		Application No.202441041579.
<b>Events Organized</b>		Member of the Technical Program Committee, International Conference on Sustainable Solutions in Engineering and Technology (SSET-2024), on 29th and 30th August 2024, in BEC Bagalkote
<b>Conferences/ Symposiums/ Workshops/ Training Programs Attended</b>	:	<ol style="list-style-type: none"> <li>1. Professional development program on “Empowering the Future of AI with Quantum Computing: Insights and Applications”, organized by VNR VIGNANA Jyothi Institute of Engineering and Technology, Nizampet, Hyderabad, from 23<sup>rd</sup> to 28<sup>th</sup> December-2024.</li> <li>2. Faculty development program on “Harnessing Generative AI for Intelligent Systems in today’s computing world”, organized by NIT Warangal and NITTE Meenakshi Institute Bangaluru, from 4<sup>th</sup> to 14<sup>th</sup> November-2024.</li> <li>3. NPTEL course on Distributed Systems, by IIT Madras, from July-Sep-2023.</li> <li>4. Webinar on Cyber security organized by BEC bagalkot, from March-2023.</li> <li>5. Symposium on Emerging trends in smart systems, organized by BEC bagalkot, on 8<sup>th</sup> and 9<sup>th</sup> Sep-2023.</li> <li>6. Workshop on “Outcome Based Education”, organized by, Basaveshwar Engineering College, Bagalkot, on 1<sup>st</sup> and 2<sup>nd</sup> Feb, 2023.</li> <li>7. Two day’s workshops on Software Defined Data Center at SJCIT- 2014</li> <li>8. Two day’s Orientation Program on Research Methodology at Basaveshwar Science College, Bagalkot-2018</li> <li>9. Workshop on Android: A Mobile Device Operating System at PDACE-2010</li> <li>10. Workshop on Matlab and It’s Applications at PDACE-2010</li> <li>11. Workshop on Data-Mining at PDACE-2010</li> <li>12. Workshop on Principles of Pedagogy for effective instructions &amp; Dissemination at SJCIT-2014</li> <li>13. Workshop on Android APP Development in association with IIT Bombay at CUK-2017</li> <li>14. Fifteenth Symposium on Earthquake Engineering IIT-2014</li> </ol>

	<p>15. One day E-content workshop on 19th January 2016 Organised by Central Library Central University of Karnataka.</p> <p>16. KSTA Conference on “Energy, Climate change and Environment” Organised by the school of Earth sciences, Central University of Karnataka, Kadaganchi, Kalaburagi on 29th &amp; 30th January 2016</p> <p>17. Three-day Training program conducted by school of Engineering, Central University of Karnataka, Kadaganchi, Kalaburagi on 19th to 21st October 2016</p> <p>18. The National Workshop on Innovative Research Techniques Organised by the Department of Mathematics and physics, Central University of Karnataka, Kadaganchi, Kalaburagi held On 25th and 26th November 2016</p> <p>19. TEQIP-II Sponsored 1-week short term training program on Dynamic web designing using PHP, MYSQL and JavaScript's conducted by Information Science &amp; Engineering Department, PDA College of Engineering, Kalaburagi from 18th to 22nd January, 2017.</p> <p>20. TEQIP-II Sponsored 1 week workshop on Data Analytics Using R, organized by Department of Information Science &amp; Engineering, PDA College of Engineering, Kalaburagi from 7th to 11th March, 2017.</p> <p>21. Participated in a workshop on “IEEE Xplore and Knimbus E- Resources” held at Central Library, PDA College of Engineering, Kalaburagi on 11th March, 2017.</p>
<p><b>Conferences</b></p>	<ul style="list-style-type: none"> <li>• “Textual Description Based Video Annotation Methods” presented in First IEEE International Conference on Networking, Embedded and Wireless Systems at B.M.S College of Engineering, Bangalore, Karnataka-2018.</li> <li>• “Big data analysis challenges &amp; solution”, presented in National Conference on Recent Trends in Computer Science and Information Technology at SJC Institute of Technology, Chickballapur, Karnataka.</li> <li>• “Identification of growth rate of leaf using Image</li> </ul>

	<p>Processing” presented in National Conference on Emerging Trends in Computer Science and Engineering at BGS Institute of Technology Mandya, Karnataka.</p> <ul style="list-style-type: none"> <li>• “Mobile networking” presented in National Conference on Emerging Trends in Computer Science and Engineering at BGS Institute of Technology Mandya, Karnataka.</li> <li>• “Video Summarization” presented in National Conference on Futuristic Trends in Information Technology at SJC Institute of Technology, Chickballapur, Karnataka.</li> <li>• “Emerging Technologies and smart Integration of Internet of Things (IoT) in Communication and Software Engineering” presented in National Conference on Recent Trends in Applied Science &amp; Engineering at CUK, Karnataka.</li> <li>• “A Survey on Deployment Applications and Challenges of Internet of Things (IoT)” presented in National Conference on Recent Trends in Applied Science &amp; Engineering at CUK, Karnataka.</li> </ul>
<p><b>Journals:</b> <i>International Journals</i></p>	<ul style="list-style-type: none"> <li>• “An Effective way for sports video annotation using color-based segmentation”, International Journal of Design Engineering (TJDE), Issue: 9, October- 2021, ISSN 0011-9342.</li> <li>• “Recognition of human emotion detection and annotation using local descriptor and support vector machine”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume:9, Issue:2, December-2019, ISSN 2838-2843.</li> <li>• “Emerging Technologies and Smart Integration of Internet of Things (IoT) in Communication and Software Engineering”, Journal of Emerging Technologies and Innovative Research, Volume: 3, Issue: 4, April- 2018, ISSN 2456-6470</li> <li>• “An efficient Indexing and retrieval technique for content-based image retrieval”, IJESR, Volume:3, Issue: 7, July-2015, ISSN: 2347-6532.</li> <li>• “Review of agile software development methodologies”,</li> </ul>

IJASCSE, Volume:4, Issue: 11, Nov -2015, ISSN: 2278-7917.

- “Analysis on big data and challenges”, IJCR, Volume: 7, Issue: 11, Nov-2015, ISSN: 0975-833X.
- “A Survey on Deployment Applications and Challenges of Internet of Things (IoT)”, Journal of Emerging Technologies and Innovative Research, Volume: 3, Issue: 4, April- 2018, ISSN 2456-6470.
- “Enhancing Tennis Video Analysis: R-CNN Based Player Action Recognition and Event Detection with Dense Trajectories,” International Journal of Intelligent Systems and Applications in Engineering (IJISAE) ISSN: 2147-6799, Volume: 12, Issue-4, June-2024, pp: 0011-9342.
- “Advancing Activity Recognition in Tennis: Employing bag of words approach for Enhanced Video Analysis,” Journal of Propulsion Technology (JPT) Volume: 45, Issue-1, October 2024, pp.134-146.
- “Tennis Text-Gen: A Unified System for Generating Textual Descriptions in Tennis Videos Using RCNN and NLP,” Communicated to International Journal of Intelligent Engineering and Systems (IJIES).