

FACULTY PROFILE

Name : **Dr. Sadhana P. Bangarashetti**



Designation : **Professor**
Department : **Information Science and Engineering**
Employee ID : **TIS004**
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(College official ID),
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Contact details : **Professor, Dept of ISE**
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Orcid ID : **[0000-0002-7638-2944](https://orcid.org/0000-0002-7638-2944)**
Scopus ID : **57215538157**
Vidwan Id : **125109**
Researcher ID (Web of Science) : **AAH-7179-2021**
Google Scholar ID : **0bZ8VqcAAAAJ**

Qualification : **Ph. D.**

Professional Experience

Teaching experience : **26 yrs (Teaching)**

Industry experience :

Administrative

Responsibilities

1. Worked as Head of Department of Information Science and Engineering since 2014-2018
2. Chief coordinator of question paper printing section of institute
3. Coordinator of Information Enquiry Section for First Year Admission

Teaching :
No. of Projects Guided
UG : **20**
PG : --

Research
Interest Area :
1. **Image Processing**
2. **Machine Learning**
3. **Data Sciences**
4. **Internet of Things**

No. of Research Scholars
Pursuing : **2**
Awarded : --

Journals (with citations) :

1. Prof. S.P.Bangarashetti & Dr. Sanjay Pande M.B.," Artifact Removal from Skin Lesion Images", Global Journal of Mechanical Engineering and Computational Science, June 2011, *Vol. 1(3)*, pp. 30-34
2. Prof. S.P.Bangarashetti & Dr. Sanjay Pande M.B.," Automatic Segmentation of Skin Lesion Images : A Review", Global Journal of Mechanical Engineering and Computational Science, June 2011, *Vol. 1(3)*, pp. 83-87
3. Prof. S.P.Bangarashetti & Dr. Sanjay Pande M.B., Segmentation of Melanoma Skin Cancer Images Based on Clustering Techniques, International Journal of Engineering Sciences Research-IJESR, August 2011,vol.02(1)
4. Prof. S.P.Bangarashetti & Dr. Sanjay Pande M.B., "Comparison of Clustering Techniques with Thresholding in Segmentation of Skin Lesion Images" International Journal of Engineering Sciences Research-IJESR, September 2011,vol.02(1),pp.76-86
5. Prof. Sadhana P.Bangarashetti, Prof. Pavan Kunchur and Prof. Nikhil Inamadar, The Data Recovery File System for Hadoop Cluster-Review, Information Conference on Communication, Control, Instrumentation and Computational Technology, 2015 Vol.9(36)
6. Prof. Sadhana P.Bangarashetti, Prof. Pavan Kunchur," Image Registration with Conditional Adversarial Networks", International Journal of Innovative Technology and Exploring Engineering(IJITEE), 2020, Vol-9,278-281
7. Prof. Sadhana P.Bangarashetti, Prof. Pavan Kunchur, "Laplacian Based Image Mosaicing", International Journal of Engineering and Advanced Technology(IJEAT), 2020,V01-9,791-794
8. Pavan N Kunchur, Sadhana P Bangarashetti, "Image Fusion

Using Pulse Coupled Network”, Asian Journal For Convergence In Technology (AJCT), 2020, Vol-06(03), 10-15

9. Prof. Sadhana P. Bangarashetti, Prof. Pavan Kunchur, “IoT Based Vehicle Health Monitoring System”, Grenze International Journal of Engineering & Technology, Jan 2021, 191-196

Conferences

1. Prof. S.P. Bangarashetti, Prof. S. A. Angadi & Prof. B. S. Anami, “Postal stamp Value Verification: A Knowledge Base Approach using modified invariant moments”, Recent Trends in Electrical, Electronics & Computer Engg., Apr 2006
2. Prof. Sadhana P. Bangarashetti, Segmentation of Skin Lesion Images using Fuzzy C means Thresholding, International Conference on Evolutionary Trends in Information Technology, October 2012
3. Prof. Sadhana P. Bangarashetti, Prof. Pavan Kunchur, “A Framework for image selection for image fusion using crowd sourced data”, IEEE International Conference on Advances Information Technology (ICAIT-2019), 2019, 167-172
4. Sadhana P. Bangarashetti, Pavan Narayan Kunchur, “Image Mosaicing Using Homography Estimation”, 2020 IEEE International Conference for Innovation in Technology (INOCON), 2020/11/16.01-04.
5. Sadhana P. Bangarashetti, Pavan Narayan Kunchur, “Detection and Classification of Electronic Nose System”, International Conference on Intelligent Computing and Control System (ICICCS), 6-8 May 2021

Invited Talks

1. Invited as a resource person for “Computer Awareness Programming for Woman”, at Basaveshwar Engg. College, Bagalkot, to deliver talk on “Computer Memories”.
2. Invited as a resource person for “COBOL for MCA students” workshop, at Basaveshwar Engg. College, Bagalkot, to deliver talk on COBOL.
3. Invited as a resource person for internship to students of REC Bijanur, Rajasthan, to deliver talk on “Sequence Diagrams and Class Diagrams of UML”.

Events Organized

1. “Tally Awareness Program” workshop organized under TEQIP in 2007 at Basaveshwar Engg. College, Bagalkot.
2. Lecture series on Object Oriented analysis & Design organized under TEQIP in 2008 at Basaveshwar Engg. College, Bagalkot.
3. “Big Data Analytics using HADOOP” workshop organized under TEQIP in 2015 at Basaveshwar Engg. College, Bagalkot.
4. “Power of IoT” workshop organized under TEQIP in 2018 for all ladies faculty of BEC.

Conferences/ Symposiums/ Workshops/ Training Programs Attended

Conferences:

1. Recent Trends in Electrical, Electronics & Computer Engg., at Jerusalem College of Engg. Chennai In 2006
2. Indian Conference on Technologies for Postal Automation at Basaveshwar Engg. College, Bagalkot in 2007
3. Fifth International Conference on Information Processing-ICIP 2011 at University Visvesvaraya College of Engineering,

Bangalore in 2011

4. International Conference on Evolutionary Trends in Information Technology at VTU Belgaum in 2012

Workshops/Training Programs:

1. Semiconductor Physics and VLSI Design at BEC Bagalkot in 2005.
2. Mathematical Modeling for Digital Image processing at BEC Bagalkot in 2006.
3. Vision R&D at BEC Bagalkot in 2006.
4. Faculty Development Programme on C# & .NET at BEC Bagalkot in 2006.
5. Nanotechnology and its applications at BEC Bagalkot in 2006.
6. MATLAB Programming for Electrical & Electronics Engineers at BEC Bagalkot in 2006.
7. Soft Computing Approaches in Engg. Applications at I.I.T. Madras in 2007.
8. Real Time Operating System – Vxworks at BEC Bagalkot in 2007.
9. Speech & Image Processing at BEC Bagalkot in 2007.
10. Computer Network Simulation at BEC Bagalkot in 2008.
11. OOAD & UML, PM & ECM at VTU Belgaum in 2008.
12. Modern Computing Trends at BEC Bagalkot in 2011.
13. Signal and Image Processing with Applications at R.V.College of Engg., Bangalore in 2013.
14. Integrated Six Sigma at BEC Bagalkot in 2014.
15. Intel atom Processor Based Embedded System Design and Development at BEC Bagalkot in 2014.
16. Hadoop and Big Data Analytics at RIT, Ramnagar, Sakharale, Sangli dist in 2015.
17. Big Data Analytics using HADOOP at BEC Bagalkot in 2015.
18. Orientation Program on Entrepreneurship Development at BEC Bagalkot in 2015.
19. Academic Leadership Programme for TEQIP Institutions at IIM Kozhikode, Kerala in 2015.
20. Electronic System Design and Manufacturing at BEC Bagalkot in 2016.
21. Outcome Based Education at IIT Chennai in 2016.
22. Green Technology for Sustainable Development at BEC Bagalkot in 2017.
23. Open Society Problems Computing Solutions In Python at BEC Bagalkot in 2017.
24. Systems Thinking and Applications at BEC Bagalkot in 2018.
25. R Programming Language Agadi College of Engg & Technology, Lakshmeshwar in association with IIT Bombay in 2020.
26. Python 3.4.3 and Python Django, Dept of CSE, CMR Engineering College, Hyderabad in association with IIT, Bombay in 2020
27. Machine Learning Based Project Architecture Design, Dept. of ISE under TEQIP-III, Basaveshwar Engg. College, Bagalkot in 2020
28. Challenges and Opportunities in AI and ML, Dept of CSE, Bheemanna Khandre Institute of Technology, Bhalki in 2020.
29. Exemplary practices in teaching – learning and evaluation of courses in computer science and Information Technology jointly organized by VTU Kalaburagi and IIIT Allahabad in 2020
30. Concepts, Methods, Challenges and Future directions in Medical

image analysis using Machine learning, Dept. of E&CE, Sri Jayacharajendra College of Engg, Mysuru in 2020

31. Universal Human Values for DEEKSHARAMBH (Online), NIT Patna, in 2020
32. Data Science for All, Electronics and ICT Academies, NIT Warangal in 2021
33. Recent Advancement on Electronics and Computing Intelligence (RAECI – 2021), Dept. of Electronics and CSE&A, Sambalpur University Institute of Information Technology (SUIIT), Burla, Odisha, INDIA, in 2021
34. Deep Learning Applications using IoT for Engineering and Science , School of Computer Engineering & Technology, MIT Academy of Engineering, Alandi (D.), Pune, in 2021
35. CEP on Internet of Things, IIT Bombay under TEQIP- III from 11-06-2021 to 20-06-2021.