

FACULTY PROFILE

Name : **Dr. Shobha R. Patil**



Designation : **Professor**
Department : **Information Science and Engineering**
Employee ID : **TIS025**
E mail ID : srpatil19@gmail.com
(College official ID), srpsis@becbgk.edu srpatil19@gmail.com
(Personal mail ID)

Contact details : **Professor, Dept of ISE**
Basaveshwar Engg College
Bagalkot-587102

Orcid ID : **0000-0002-1196-0731**
Scopus ID : **57216288861**
Vidwan Id : **125007**
Researcher ID (Web of Science) :
Google Scholar ID : **G1iL3S8AAAAJ**

Qualification : **BE, M Tech, Ph. D**
Professional Experience
Teaching experience : **20 years**
Industry experience :
Administrative Responsibilities :

1. **Head of department of Information Science and Engg.**
2. **Working as a warden for ladies Hostel**
3. **Universal Human Values Cell co-ordinator**

No. of Projects Guided

UG : 40
PG : 06
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Research

Interest Area : Image Processing and pattern recognition

No. of Research Scholars

Pursuing : 04
Awarded : 02

Publications

Books/Chapters : "Effective Dimensionality Reduction in Pattern Recognition", bearing ISBN 978-3-659-61955-7, Lambert Academic Publishing, Germany

Journals (with citations)**Conferences**

- :
- :
1. Dr. Shobha R. Patil & Prof. B. S. Anami, Prof. S. A. Angadi, Prof. V. B. pagi. "Invariant moment method for leaf image recognition" "National Conference on Documents Analysis and recognition" since April 12, 14, 2001
 2. Dr. Shobha R. Patil & Prof. B. S. Anami "Leaf Image recognition through ICT" "Appropriate extension strategies for management of rural resources" Simce, December, 18-20 2007
 3. Dr. Shobha R. Patil & Geeta Channal "An Internet Technology approach for the betterment of farmers" " Appropriate extension strategies for managements of rural resources, since December 18-20 - 2007
 4. Dr. Shobha R. Patil & Dr. Sanjay Pande M. B. Principal Component Analysis: A Survery" " International Journal of Engg Sciences Research IJESR issue Sept 2011 Vol. No 1, issue No. 3 PP 25-29
 5. Dr. Shobha R. Patil & Dr. Sanjay Pande M. B. "Face Recognition using Principal component Analysis" International Journal Engineering Sciences Research IJESR" issue sept 2011 Vol. No. 1 issue No. 3, pp. 25 & 29
 6. Dr. Shobha R. Patil & Dr. Sanjay Pande M. B. "A Chaotic Encryption of image using PCA" " Global Journal of Mechanical Engg and component science issue 2249 – 3468" issue No. 3 pp 25-29
 7. Dr. Shobha R. Patil, Vani Chikkareddi & Dr. Sanjay Pande M. B. "Face Recognition using Principal component Analysis" " Global journal of mechanical Engg and computanl.. Science ISSN 2249 – 3468" " issue sept 2011 Vol. No, I issue No. 3 pp 110-113

8. Dr. Shobha R. Patil & Dr. Sanjay Pande M. B. "Dimensionality Reduction of Satellite images using Principal component Analysis" "International journal of Communicate on engineering Applications" issue Aug 2011 Vol. No. issue No. 3 pp.
9. Dr. Shobha R. Patil & B. G. Sheeparamatti, V. S. Khedgi "Is PCA an effective Dimensionality Reduction Technique" Global journal of mechanical Engg and Computation 1 Science" issue Dec 2011 Vol No. 1 issue No. 3 pp 18-21
10. Dr. Shobha R. Patil & Dr. Sanjay Pande M. B. " An Introduction to spatial filtering for image pre processing" Global journal of Mechanical Engineering and Computational Science" "issue 2013 No.3 issue No. 1 PP 44-46
11. Dr. Shobha R. Patil & Dr. Sanjay Pande M. B. FIR Finite impulse response filter "Global journal of Mechanical Engineering and Computational Science" "issue 2013 No.3 issue No. 1 PP 51-53
12. Dr. Shobha R. Patil & Smt Savitri patil Survey on Approaches used for image Quality Assessment" "International Conference on Energy Communication, Data Analytics an Soft computing (ICECDS 2017) IEEE conference held on 1-2 Aug 2017 published on 18.06.2017" ISBN:: 978-15386-1887-5(online) ISBN: 978-1-5386-1888-2-(print)
13. Dr. Shobha R. Patil & Smt Savitri patil, ENHANCEMENT OF FEATURE EXTRACTION IN IMAGE QUALITY Proceedings of the Third International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2019) IEEE Xplore Part Number:CFP19OSV-ART; ISBN:978-1-7281-4365-1.
14. Veena patil & Dr. Shobha Patil, Detection of nuclei cell in histopathological images of Uterine Cancer: International Conference on Trends in Electronics and Informatics (ICOEI-2020) 15th to 17th June 2020, organized by SCAD, College of Engg and Tech., Tirunelveli, Tamilnadu.
15. Kishor Parvatikar¹, Prathiksha Chetana², Bhagyawant Biradar³, Vidyashri Mudagal⁴, Dr. S. R. Patil, A Review on 100-point Activity International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 8, Issue 4, August 2020, ISSN (Online) 2581-9429 ISSN (Print) ABCD-PQRS, Page No.47-50 DOI: XX.082020/IJARSCT

Invited Talks

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1. Delivered a talk on UHV to MBA first year student's Orientation program scheduled from 11-2-21 to 12-2-21
 2. Delivered a talk on Universal Human values for first year BE students in induction program held during 2019-20
 3. Delivered a talk on Universal Human values for first year BE students in induction program scheduled from **14-12-2020 to 19-12-2020** in online mode
 4. Worked as resource person for the workshop on Exam reform policy organized by SPIU-NPIU, New Delhi
 5. Delivered a talk on Universal Human values for first year BE students in induction program scheduled from **1-2-2021 to 6-2-**

2021 to(late admitted) in offline mode

6. Delivered a talk on statistical methods for data mining for students of Rajakiya Engg college Bijnur student internship program held on July 2019, organized under TEQIP at Basaveshwar Engg. College, Bagalkot.
7. Delivered a lecture in SDP on software testing for the students of E&C department, held during 2006-07.

Events Organized

1. **Coordinator of Faculty Development Programme** on “Research Avenues in Information Technology”, organized for Faculty of Engineering Colleges and Research Scholars, under TEQIP – III, during June 03 -07, 2019.
2. **Organized Student induction programme from 14-12-2020 to 19-12-2020 to first year students in online mode**
3. **Organized Student induction programme from 1-2-2021 to 6-2-2021 to(late admitted) first year students in offline mode**
4. Organized workshop on Exam reform policy for faculty of BEC Bagalkot scheduled from 14 to 15 .02.2020
5. Organized workshop on Exam reform policy for faculty of BEC Bagalkot in online mode scheduled from 29 -30 .04.2020
6. Organized workshop on Exam reform policy for faculty of BEC Bagalkot in online mode scheduled from 6-7.05.2020
7. **Coordinator of “Tally Awareness Program”** workshop organized under TEQIP in 2007 at Basaveshwar Engg. College, Bagalkot.

Conferences/ Symposiums/ Workshops/ Training Programs Attended

1. Dr. Shobha R. Patil Jul 2001 NCDAR 2001 Organized by Department of CSE, Host Institution PES College of Engineering - Mandya
2. Dr. Shobha R. Patil Dec 2005 “International Conference on Cognition and recognition” organized by PES college of Engineering. Mandya. Host Institution PES College of Engineering - Mandya
3. Dr. Shobha R. Patil Oct 2007 Indian Conference on Technologies for Postal Automation” Organized by Basaveshwar Engineering College, Bagalkot. Host Institution, Basaveshwar Engineering College, Bagalkot.
4. Dr. Shobha R. Patil Dec 2007 Appropriate extension strategies for management of rural resources, Organized by University of Agricultural Science Dharwad. University of Agricultural Science Dharwad.
5. Dr. Shobha R. Patil Aug 2003, Futuristic materials & their applications, Sponsored by AICTE-ISTE Organized by Basaveshwar Engg. College, Bagalkot
6. Dr. Shobha R. Patil Jan 2004, Induction Programme for Young Teachers Sponsored by AICTE, Organized by Basaveshwar Engg. College, Bagalkot
7. Dr. Shobha R. Patil Feb 2004, Learning Organization and Knowledge Management, Sponsored by AICTE-ISTE Organized by Basaveshwar Engg. College, Bagalkot
8. Dr. Shobha R. Patil March 2004, Embedded Systems and Applications, Sponsored by AICTE-ISTE Organized by

Basaveshwar Engg. College, Bagalkot

9. Dr. Shobha R. Patil Feb 2005, Semiconductor Physics and VLSI Design, Sponsored by Physics & E & C Dept. Organized by Basaveshwar Engg. College, Bagalkot
10. Dr. Shobha R. Patil Aug 2005, Workshop on Digital Image Processing Sponsored by Dept. of E&C Organized by B.V.Bhoomareddi college of Engg.
11. Dr. Shobha R. Patil Jan 2006, Software Testing Sponsored by QSIT Bangalore, Organized by Basaveshwar Engg. College, Bagalkot
12. Dr. Shobha R. Patil April 2006, Recent Trends in Electrical, Electronics & Computer Engg, Sponsored by Jerusalem College of Engg. Chennai., Organized by Basaveshwar Engg. College, Bagalkot
13. Dr. Shobha R. Patil Jan 2006, Mathematical Modeling for Digital Image processing, Sponsored by CSE Dept., Organized by Basaveshwar Engg. College, Bagalkot
14. Dr. Shobha R. Patil Feb 2006, Intellectual Property Rights, Sponsored by Dept. of Civil Engg., Organized by Basaveshwar Engg. College, Bagalkot
15. Dr. Shobha R. Patil March 2006, Vision R&D, Sponsored by Mech. Dept., Organized by Basaveshwar Engg. College, Bagalkot
16. Dr. Shobha R. Patil Jun 2006, Faculty Development Programme on C# & .NET, Sponsored by CSE Dept., Organized by Basaveshwar Engg. College, Bagalkot
17. Dr. Shobha R. Patil Aug 2006, Nanotechnology and its applications, Sponsored by Mech. Dept., Organized by Basaveshwar Engg. College, Bagalkot
18. Dr. Shobha R. Patil Aug 2006, Structured Software Testing and Test Automation, Sponsored Basaveshwar Engg. College , Bagalkot., Organized by QSIT-processes & Consulting Services.
19. Dr. Shobha R. Patil Oct 2006, MATLAB Programming for Electrical & Electronics Engineers, Sponsored by Electrical & Electronics Dept., Organized by Basaveshwar Engg. College, Bagalkot.
20. Dr. Shobha R. Patil Oct 2006, Soft Computing and Applications Sponsored by Dept of ISE & Dept of CSE., Organized by MCE Hassan& UBTDCE Davanagere.
21. Dr. Shobha R. Patil Jan 2007, Soft Computing Approaches in Engg. Applications, Sponsored by Dept. of Civil Engg., Organized by I.I.T. Madras.
22. Dr. Shobha R. Patil March 2007, Real Time Operating System

- Vxworks, Sponsored by Sands Institute of technology, Chennai., Organized by Basaveshwar Engg. College , Bagalkot.
23. Dr. Shobha R. Patil July 2007, Speech & Image Processing Sponsored by Dept. of Instrumentation, Organized by Basaveshwar Engg. College , Bagalkot.
 24. Dr. Shobha R. Patil Feb 2008, Computer Network Simulation Sponsored by Dept. of E & C., Organized by Basaveshwar Engg. College , Bagalkot.
 25. Dr. Shobha R. Patil May 2009, Image processing & Pattern Recognition, Sponsored by Dept of CSE., Organized by Basaveshwar Engg. College , Bagalkot.
 26. Dr. Shobha R. Patil March 2010, Soft Computing Approches to Image processing & Pattern Recognition, Sponsored by Dept of CSE., Organized by Basaveshwar Engg. College , Bagalkot.
 27. Dr. Shobha R. Patil Oct 2011, Modern Computing Trends. Sponsored by IEEE, Organized by Basaveshwar Engg. College , Bagalkot.
 28. Dr. Shobha R. Patil Nov 2011, Technical Education and Challenges in the new millennium, Sponsored by AICTE, Organized by Basaveshwar Engg. College , Bagalkot.
 29. Dr. Shobha R. Patil Dec 2011, Induction Training Programme for Newly Recruited Teachers, Sponsored by DTE, Organized by BVVS Polytechnic, Bagalkot.
 30. Dr. Shobha R. Patil Jan 2013, Signal and Image Processing with Applications, Sponsored by Dept. of E&E, Organized by R.V.College of Engg., Bangalore.
 31. Dr. Shobha R. Patil April 2013, Distributed and cloud computing, Sponsored by Dept. of ISE & CSE, Organized by Basaveshwar Engg. College , Bagalkot.
 32. Dr. Shobha R. Patil Aug 2013, Research Issues Distributed Sensor Network, Sponsored by Dept. of ISE & CSE, Organized by Basaveshwar Engg. College , Bagalkot.
 33. Dr. Shobha R. Patil Jan 2014, Integrated six sigma – Green belt & DFSS, Sponsored by Dept. of ISE & Mech.Engg., Organized by Basaveshwar Engg. College , Bagalkot.
 34. Dr. Shobha R. Patil July 2015, Big Data Analytics using Hadoop, Sponsored by Dept of ISE,CSE and MCA., Organized by Basaveshwar Engg. College , Bagalkot.
 35. Dr. Shobha R. Patil March 2017, Open Society Problems Computing Solutions In Python, Sponsored by Basaveshwar Engg. College,Bagalkot under Teqip-II Organized by IIT Bombay.
 36. Dr. Shobha R. Patil Sept 2017, Three day training workshop for faculty mentors “Induction programme for new students, Sponsored by TEQIP III-BEC Bagalkot Organized by Harcourt Butler Technical University.

37. Dr. Shobha R. Patil Oct 2017, Faculty Development Programme on outcome based education, Sponsored by Basaveshwar Engg. College,Bagalkot under Teqip-II, Organized by IIT Madras.
38. Dr. Shobha R. Patil Jun 2019, Human Values,Induction programme, Sponsored by AICTE, Organized by VTU Belagavi.
39. Dr. Shobha R. Patil, Human values refresher course, Sponsored by AICTE, Organized by AICTE- online.

Awards and Honors

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