


**BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS)  
BAGALKOT- 587102**

DEPARTMENT OF COMPTER APPLICATIONS (MCA)

BIO-DATA OF FACULTY

<b>Name</b>	Dr. Shobha R. Patil	
<b>Date of Birth</b>	21-07-1969	
<b>Designation</b>	Professor	

**Degrees Obtained**

University/ Institution	Degree	Year	Field of Specialization
Singhania University, Pacherbhari Rajasthan	Ph. D	Mar 2014	Computer Science and Engg.
P. D.A..College of Engg, Gulbarga (V.T.U. Belgaum)	M.Tech.	Feb 2001	Computer Science and Engg.
Basaveshwar Engg. College, Bagalkot (K.U.D)	B.E.	Jan 1993	Electronics and Communication
K. R. C. R. School Kittur (P.U.Board Bangalore)	P.U.C.	Jun 1987	
K. R. C. R. School Kittur (KSEE Board Bangalore)	S.S.L.C.	Apr 1985	

**Employment record (starting from present position)**

University/ College	Designation	Period
Basaveshwar Engg. College, Bagalkot	Professor	October 2014 till date
Basaveshwar Engg. College, Bagalkot	Asst. Prof., Dept. of ISE	May 2007 - Oct 2014
Basaveshwar Engg. College, Bagalkot	Lecturer, Dept. of ISE	May 2001 – May 2007

**Short-term Courses/ Workshops Organized**

Sl.No	Month and year	Courses Title	Sponsored by	Host Institution
1	Feb 2007	Tally Awareness Program	TEQIP	Basaveshwar Engg. College, Bagalkot

### Papers published in National/International Journals and Conferences

Sl.No	Authors	Title of the paper	Name of the Conference	Year of publication with vol.No. & pp No.
1	Prof. B. S. Anami, Prof S. A. Angadi, Prof. V. B. pagi, Shobha Patil	“Invariant moment method for leaf image recognition”	National Conference on Document Analysis and recognition”	April, 12-14, 2001
2	Prof. B. S. Anami, Shobha Patil	“Leaf Image recognition through ICT”	Appropriate extension strategies for management of rural resources,	December, 18-20 2007
3	Geeta Channal and Shobha Patil	“An Internet Technology approach for the betterment of farmers	Appropriate extension strategies for management of rural resources,	December, 18-20 2007
4	Prof. S.R.Patil & Dr. Sanjay Pande M.B.	Principal Component Analysis: A Survey	International Journal of Engg Sciences Research- IJESR	Issue: September 2011 Vol. No. 1, Issue No.3, pp. 25-29.
5	Prof. S.R.Patil & Dr. Sanjay Pande M.B.	Face Recognition using Principal component Analysis	International Journal of Engineering Sciences Research- IJESR	Issue: September 2011 Vol. No. 1, Issue No.3, pp. 25-29.
6	Prof. S.R.Patil & Dr. Sanjay Pande M.B.	A Chaotic Encryption of images using PCA	Global journal of mechanical Engg and comput.. Science ISSN: 2249 – 3468	Issue: September 2011 Vol. No. 1, Issue No.3, pp. 25-29.
7	Prof. S.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: September 2011 Vol. No. 1, Issue No.3, pp. 110-113.
8	Prof. S.R.Patil & Dr. Sanjay Pande M.B.	Dimensionality Reduction of Satellite images	International Journal of Communicati	Issue: August 2011 Vol. No. 2, Issue No.3, pp.

		using Principal component Analysis	on Engineering Applications	
9	B. G. Sheeparamatti, Shobha R. Patil, V. S. khedagi	Is PCA an effective Dimensionality Reduction Technique	Global journal of mechanical Engg and Computational Science	Issue: December 2011 Vol. No. 1, Issue No.3, pp. 18-21
10	Prof. S.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, Vol No. 3, Issue No. 1, PP. 44-46
11	Prof. S.R.Patil & Dr. Sanjay Pande M.B	FIR: finite impulse response filter	Global journal of Mechanical Engineering and Computational Science	Issue: 2013, Vol No. 3, Issue No. 1, PP. 51-53

### Conferences attended

Sl.No	Month and year	Conference Title	Organized by	Host Institution
1.	Jul 2001	NCDAR 2001	Dept. of CSE	PES college of Engg. Mandya
2.	Dec 2005	International Conference on Cognition and Recognition	PES college of Engg. Mandya	PES college of Engg. Mandya
3.	Oct 2007	Indian Conference on Technologies for Postal Automation	Basaveshwar Engg. College, Bagalkot	Basaveshwar Engg. College, Bagalkot
4.	Dec 2007	Appropriate extension strategies for management of rural resources,	University of Agricultural Science Dharwad	University of Agricultural Science Dharwad

### Short-term Courses/ Workshops attended

Sl.No	Month and year	Courses Title	Sponsored by	Host Institution
1.	Nov 2011	Technical Education and Challenges in the new millennium	AICTE	Basaveshwar Engg. College, Bagalkot
2.	Dec 2011	Induction Training Programme for Newly Recruited Teachers	DTE	BVVS Polytechnic, Bagalkot
3.	Aug 2003	Futuristic materials & their applications	AICTE-ISTE	Basaveshwar Engg. College, Bagalkot
4.	Jan 2004	Induction Programme for Young Teachers	AICTE	Basaveshwar Engg. College, Bagalkot
5.	Feb 2004	Learning Organization and Knowledge Management	AICTE-ISTE	Basaveshwar Engg. College, Bagalkot
6.	Mar 2004	Embedded Systems and Applications	AICTE-ISTE	Basaveshwar Engg. College, Bagalkot
7.	Feb 2005	Semiconductor Physics and VLSI Design	Physics & E & C Dept.	Basaveshwar Engg. College , Bagalkot
8.	Aug 2005	Workshop on Digital Image Processing	Dept. of E&C	B.V. Bhoomareddi college of Engg.
9.	Jan 2006	Software Testing	QSIT Bangalore	Basaveshwar Engg. College , Bagalkot
10.	April 2006	Recent Trends in Electrical, Electronics & Computer Engg.	Jerusalem College of Engg. Chennai.	Basaveshwar Engg. College , Bagalkot
11.	Jan 2006	Mathematical Modeling for Digital Image processing	CSE Dept.	Basaveshwar Engg. College , Bagalkot
12.	Feb 2006	Intellectual Property Rights	Dept. of Civil Engg.	Basaveshwar Engg. College , Bagalkot
13.	March 2006	Vision R&D	Mech. Dept.	Basaveshwar Engg. College , Bagalkot
14.	June 2006	Faculty Development Programme on C# & .NET	CSE Dept.	Basaveshwar Engg. College , Bagalkot
15.	Aug 2006	Nanotechnology and its applications	Mech. Dept.	Basaveshwar Engg. College ,

				Bagalkot
16.	Aug 2006	Structured Software Testing and Test Automation	Basaveshwar Engg. College , Bagalkot	QSIT-processes & Consulting Services
17.	Oct 2006	MATLAB Programming for Electrical & Electronics Engineers	Electrical & Electronics Dept.	Basaveshwar Engg. College , Bagalkot
18.	Oct 2006	Soft Computing and Applications	Dept of ISE ,Dept of CSE	MCE Hassan& UBTDCE Davanagere
19.	Jan 2007	Soft Computing Approaches in Engg. Applications	Dept. of Civil Engg.	I.I.T. Madras
20.	March 2007	Real Time Operating System – Vxworks	Sands Institute of technology, Chennai	Basaveshwar Engg. College , Bagalkot
21.	Jul 2007	Speech & Image Processing	Dept. of Instrumentation	Basaveshwar Engg. College , Bagalkot
22.	Feb 2008	Computer Network Simulation	Dept. of E & C.	Basaveshwar Engg. College , Bagalkot
23.	May 2009	Image processing & Pattern Recognition	Dept of CSE	Basaveshwar Engg. College , Bagalkot
24.	Mar 2010	Soft Computing Approches to Image processing & Pattern Recognition	Dept of CSE	Basaveshwar Engg. College , Bagalkot
25.	Oct 2011	Modern Computing Trends.	IEEE	Basaveshwar Engg. College , Bagalkot
26.	Jan 2013	Signal and Image Processing with Applications	Dept. of E&E	R.V.College of Engg., Bangalore
27.	April 2013	Distributed and cloud computing	Dept. of ISE & CSE	Basaveshwar Engg. College , Bagalkot
28.	Aug 2013	Research Issues Distributed Sensor Network	Dept. of ISE & CSE	Basaveshwar Engg. College , Bagalkot
29.	Jan 2014	Integrated six sigma – Green belt & DFSS	Dept. of ISE & Mech.Engg.	Basaveshwar Engg. College , Bagalkot

**Ph.D. Title:** Feature Extraction Methods for Effective Dimensionality Reduction in pattern Recognition. (awarded 09-03-2014)

**Projects carried out:**

- “Invariant moments method for Leaf Image Recognition”, carried out at M.Tech.
- “Microprocessor based Floppy Disk Controller”, carried out at B.E.

**Areas of Interest:** Image Processing, Digital Systems, Compilers, Computer architecture.

**Extra-curricular Activities:**

- Worked as resource person for “Computer Awareness Programming for Woman”, at Basaveshwar Engg. College, Bagalkot.
- Worked as resource person for “Software testing course for students” at Basaveshwar Engg. College, Bagalkot.