

B. V. V. Sangha's
Basaveshwar Engineering College (Autonomous), Bagalkot
Department of Computer Science and Engineering

RESEARCH CENTRE DETAILS

I. About Research Centre:

- Year of Establishment: 2004-2005
- Major Research Areas (5 Nos.) :
 1. Image and Video processing
 2. Pattern Recognition
 3. Wireless and Sensors Networks
 4. Mobile Networks
 5. Biometric Security
- No. of research guides enrolled at our research centre : 07
- No. of internal faculty guiding the candidates : 02
- Faculty with Ph. D. : 05
- Our Faculty pursuing Ph. D. : 03
- Total number of registered candidates at the research centre : 19 (Currently on going)
- No. of candidates awarded Ph. D. till date : 10

II. Research guides at the research centre

Sl.No.	Name of the Guide	Area of Specialization
	Dr. V B. Pagi	Image and Signal processing
1.	Dr. S. V.Saboji	Wireless and Mobile Networks
2.	Dr. (Smt) S. R. Patil	Pattern Recognition and Imageprocessing
3.	Dr.(Smt) S. P. Bangarshetti	Pattern Recognition and Imageprocessing
4.	Dr. L. B. Bhajantri	Wireless and Sensor Networks
5.	Dr.(Smt) B.M.Reshmi	Medical Image processing
6.	Dr. Vilas H. Naik	Image and Video Processing and Analytics

III. Research Scholars pursuing Ph. D program

Sl.No.	Name of the Student	Name of the Guide	Year of Registration	Research Topic
1.	VEENA PATIL	Dr.S R PATIL	2015	Automatic Detection of Cancerous Cells in Histopathological Images of Uterine Tissue
2.	R.S WADAWADAGI	Dr.V B PAGI	2015	Development of an Integrated Framework for Web Content Analysis
3.	BHARGAV H K	Dr.V B PAGI	2016	Recognition and Correction of Kannada Handwritten documents with strikeouts and Annotations
4.	SHUBHADA KULKARNI	Dr.S R PATIL	2016	Enhancing Security of Data Aggregation in Wireless Multimedia Sensor Networks based on Similarity matching and Selective Encryption for Multimedia Data
5.	SUJATA KARADDI	Dr.S.R.PATIL	2015	
6.	PAVAN KUNCHUR	Dr.S P BANGARSHETTI	2015	Multi stream Process for Photographic Mosaicing Using Crowd Sourced Data and its Performance Analysis
7.	SHARADA KULKARNI	Dr.S P BANGARSHETTI	2015	

8.	SHIVANAND MANJARAGI	Dr.S V SABOJI	2016	Secured Vertical Handover System for Heterogeneous Wireless Networks
9.	PUNDALIK R	Dr.LOKESH BHAJANTRI	2015	Secure Data Processing, Classification, and Management in Semantic Sensor Web
10.	VASUDHA M. BONAL	Dr.LOKESH BHAJANTRI	2017	Cognitive Agent Based data Synchronization and Fault Tolerance in Ubiquitous Network
11.	PRASANT BALURGI	Dr.LOKESH BHAJANTRI	2017	Data Perception and Resource Management in Cognitive Internet of Things
12.	GANGADHARAIH. S	Dr.LOKESH BHAJANTRI	2015	Resource Management and Secure Routing in Internet of Things
13.	TABASSUM MUJAWAR.	Dr.LOKESH BHAJANTRI	2017	Trust based Access Control Mechanism for Cloud Environment
14.	SHOBHA BHARAMAGOUDAR R.	Dr.S. V. SABOJI	2017	Routing System for Mobile Opportunistic Network using Microscopic and Macroscopic schemes
15.	SAVITRI PATIL	Dr.S.R.PATIL	2017	Performance Quality Analysis of Biometric System for Secured Person Identification & Authentication
16.	UMASHANKARA PRASANNA C M	Dr.S P BANGARSHETTI	2017	Efficient Offline Pattern Recognition System for Handwritten Kannada Language Script using Multiple Classifier Combination
17.	VINOD BIRDAR	Dr.V. B. PAGI	2018	Developing Methodologies for Navigation Using Multimedia To Help The Visually Impaired
18.	RAMYA S. YAMIKAR	Dr.BHARATI RESHMI	2019	Automatic Detection of Diabetic Retinopathy using Fundus Images
19.	SHARANABASAVA C. INAMADAR	Dr.S P BANGARSHETTI	2017	

IV. Ph. D.s awarded from Research Centre

Sl.No.	Name of the Student	Name of the Guide	Title of Thesis	Year of Degree Awarded
1.	D G SAVAKAR	Dr.BASAVARAJ S. ANAMI	Design and Development of Machine Vision Methodologies for Common Applications in Applications in Agriculture and Horticulture Sciences	2010
2.	RASHMI RACHH	Dr.BASAVARAJ S. ANAMI	Studies on Architectures and Implimentations of Advaced Encryption	2012
3.	V C BURKAPALLI	Dr.BASAVARAJ S. ANAMI	Design and Development of Machine Vision Methodologies for Food Objects Recognition: An Attempt towards Automatic Food Serving by Robot System	2011

4.	SAROJINI B K	Dr.BASAVARAJ S. ANAMI	Analysis of Visual Evoked Potential s in the Diagnosis of Optic Nerve Diseases using Digital Signal Processing Techniques	2017
5.	V B PAGI	Dr.BASAVARAJ S. ANAMI	Recognition and classification of sound patterns produced by two wheelers for automated diagnosis	2014
6.	P H UNKI	Dr.BASAVARAJ S. ANAMI	Recognition, Analysis and Interpretation of Certain Brain MR Images	2017
7.	M M KODABAGI	Dr. S A ANGADI	Techniques for Web Service Based Hand Held System Useful in Understanding Display Boards	2014
8.	VILAS NAIK	Dr. S A ANGADI	Soft Computing and Graph Theoretic framework for Multimodal Video selection and Summarization	2017
9.	S M HATTURE	Dr. S A ANGADI	Soft Computing and Graph Theoretic Approaches for Multimodal Biometrics System	2018
10.	V C KAGAWADE	Dr. S A ANGADI	Efficient and robust person identification using face and iris biometrics	2019
11.	PRAVEEN S. CHALLAGIDAD	Dr. MAHANTESH N. BIRJE	Design and Analysis of some Security Schemes for Private Clouds	2019

V. Research Projects carried out in the department

Sl.No.	Title	Funding Agency	Amount (in Lakhs)	Year
1.	Modernization of Computer Networks and Simulations Lab	TEQIP	4.00	2007
2.	Modernization of Database Management Systems Lab	TEQIP	8.00	2008
3.	An exploration of Algorithm Approaches to Graph Matching and its Applications	VTU	3.10	2010
4.	Multimedia, Vision Computing and Intelligent Systems Lab	TEQIP	9.16	2011
5.	Multimedia, Vision Computing and Intelligent Systems Lab	TEQIP	9.81	2012
6.	Wireless and Mobile Computing Lab	TEQIP	5.52	2012
7.	Learning Resources Lab	TEQIP	2.50	2013
8.	Data Mining and Information Systems Lab	TEQIP	9.20	2013