

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

RESEARCH CENTRE DETAILS

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 : 10
- No. of internal faculty guiding the candidates : 03
- 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 : 13

I. Research guides at the research centre

Sl.No.	Name of the Guide	Area of Specialization
1.	Dr.V B. Pagi	Image and Signal processing
2.	Dr.S/ V.Saboji	Wireless and Mobile Networks
3.	Dr. (Smt)S. R. Patil	Pattern Recognition and Imageprocessing
4.	Dr.(Smt)S. P. Bangarshetti	Pattern Recognition and Imageprocessing
5.	Dr. L. B. Bhajantri	Wireless and Sensor Networks
6.	Dr.(Smt)B.M.Reshmi	Medical Image processing
7.	Dr.Vilas Naik	Image and Video Processing and Analytics
8.	Dr.AnilDevangavi	Vehicular Adhoc Networks
9.	Dr.VishwanathKagwade	Multimodal Biometrics
10.	Dr.PraveenChallagidad	Cloud Computing

II. 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.	BHARGAV H K	Dr.V B PAGI	2016	Recognition and Correction of Kannada Handwritten documents with strikeouts and Annotations
3.	SHUBHADA KULKARNI	Dr.S R PATIL	2016	Enhancing Security ofData Aggregation in Wireless Multimedia Sesor Networks based on Similarity matching and Selective Encryption for Multimedia Data
4.	SHIVANAND MANJARAGI	Dr.S V SABOJI	2016	Secured Vertical Handover System for Heterogeneous Wireless Networks
5.	PUNDALIK R	Dr.LOKESH BHAJANTRI	2015	Secure Data Processing, Classification, and Management in Semantic Sensor Web

6.	VASUDHA M. BONAL	Dr.LOKESH BHAJANTRI	2017	Cognitive Agent Based data Synchronization and Fault Tolerance in Ubiquitous Network
7.	PRASANT BALURGI	Dr.LOKESH BHAJANTRI	2017	Data Perception and Resource Management in Cognitive Internet of Things
8.	GANGADHARAIH. S	Dr.LOKESH BHAJANTRI	2015	Resource Management and Secure Routing in Internet of Things
9.	TABASSUM MUJAWAR.	Dr.LOKESH BHAJANTRI	2017	Trust based Access Control Mechanism for Cloud Environment
10.	SHOBHA R. BHARAMAGOUDAR	Dr.S. V. SABOJI	2017	Routing System for Mobile Opportunistic Network using Microscopic and Macroscopic schemes
11.	SAVITRI PATIL	Dr.S.R.PATIL	2017	Performance Quality Analysis of Biometric System for Secured Person Identification & Authentication
12.	UMASHANKARA PRASANNA C M	Dr.S P BANGARSHETTI	2017	Efficient Offline Pattern Recognition System for Handwritten Kannada Language Script using Multiple Classifier Combination
13.	VINOD BIRDAR	Dr.V. B. PAGI	2018	Developing Methodologies for Navigation Using Multimedia To Help The Visually Impaired
14.	RAMYA S. YAMIKAR	Dr.BHARATI RESHMI	2019	Automatic Detection of Diabetic Retinopathy using Fundus Images
15.	USHA JOALEKAR	Dr.VILAS NAIK	2021	Analysis of Brain MRI Images in View of Early Detection of Alzheimer using Clinical Data
16.	SANGAMESH SAJJAN	Dr.VILAS NAIK	2021	Precision Agriculture like Crop Yield Prediction Detecting Plant Diseases
17.	GIRISH SHETTER	Dr.ANIL DEVANGAVI	2021	A Novel Methodology to Enhance the User Experience Minimize Delay in Real Time Applications at Edge
18.	VINAYAK TELSANG	Dr.ANIL DEVANGAVI	2021	Data Security Management Techniques for Edge Computing
19.	PRYIYANKA TUPPAD	Dr. BHARATI RESHMI	2021	Machine Learning for Image processing

III. 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 Implementations of Advanced Encryption	2012
3.	V C BURKAPALLI	Dr.BASAVARAJ S. ANAMI	Design and Development of Machine Vision Methodologies for	2011

			Food Objects Recognition: An Attempt towards Automatic Food Serving by Robot System	
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	2018
9.	S M HATTURE	Dr. S A ANGADI	Soft Computing and Graph Theoretic Approaches for Multimodal Biometrics System	2019
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	2020
12.	R.S WADAWADAGI	Dr.V B PAGI	Development of an Integrated Framework for Web Content Analysis	2021
13.	PAVAN KUNCHUR	Dr.S P BANGARSHETTI	Multistream Process for Photographic Mosaicing Using Crowd Sourced Data and its Performance Analysis	2021

IV. Research Projects carried out in the department

Sl.No.	Title	Funding Agency	Amount	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	9.1625	2011
5.	Multimedia, Vision Computing and Intelligent Systems Lab	TEQIP	9.8115	2012
6.	Wireless and Mobile Computing Lab	TEQIP	5.51789	2012
7.	Learning Resources Lab	TEQIP	2.5000	2013
8.	Data Mining and Information Systems Lab	TEQIP	9.2020	2013