

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

RESEARCH CENTRE DETAILS

I. About Research Centre:

- Year of Establishment: 2020
- Major Research Areas (5 Nos.) :
 1. Image processing and pattern recognition
 2. Wireless sensor networks and Ubiquitous networks
 3. Vehicular adhoc networks
 4. IOT and cloud computing
 5. Data mining and machine/deep learning
- No. of research guides enrolled at our research centre : 05
- No. of internal faculty guiding the candidates : 04
- Faculty with Ph. D. : 04
- Our Faculty pursuing Ph. D. : 02
- Total number of registered candidates at the research centre : nil
- No. of candidates awarded Ph. D. till date : nil
- No. of candidates pursuing Ph. D. :

II. Research guides at the research centre

Sl.No.	Name of the Guide	Area of Specialization
1.	Dr. S. R. Patil	Image processing and pattern recognition
2.	Dr. B. M. Reshmi	Medical image processing and Machine learning
3.	Dr. S. P. Bangarashetti	Image processing and pattern recognition
4.	Dr. Anil Devangavi	Vehicular adhoc networks
5.	Dr. Lokesh Bhajantri	Wireless sensor networks and Ubiquitous networks, IOT and cloud computing

III. Research Scholars pursuing Ph. D program

Sl.No.	Name of the Student	Name of the Guide	Year of Registration	Research Topic
1.	Shubhada S Kulkarni	Dr. S R Patil	2015	Enhancing security of Data Aggregation in Wireless Multimedia Sensor Networks based on similarity matching & Selective Encryption for Multimedia Data
2.	Sujata Karaddi	Dr. S R Patil	2015	Text based approach for document image retrieval
3.	Veena I Patil	Dr. S R Patil	2015	Automatic detection of cancerous cells in Histo pathological images of uterine tissue
4.	Savitri B Patil	Dr. S R Patil	2015	Performance quality analysis of biometric system for secured person identification and authentication
5.	Ramya Yamikar	Dr. B M Reshmi	2019	Automatic detection of diabetic retinopathy using fundus images

6.	Rajesh I S	Dr. B M Reshmi	2015	A study on automatic detection of macular disorders using fundus images
7.	Pavan Kunchur	Dr. S. P. Bangarashetti	2015	Design of a framework: Creating photographic mosaic with Hadoop in Big data Image processing
8.	Umashankar Prasanna	Dr. S. P. Bangarashetti	2017	Automatic speaker age classification, recognition and identifying speaker emotion using voice signal
9.	Prundalik R.	Dr. Lokesh Bhajantri	2016	Secure Data Processing, Classification, and Management in Semantic Sensor Web
10.	Gangadharaiah S	Dr. Lokesh Bhajantri	2016	Resource Management and Secure Routing in Internet of Things
11.	Prashant M. Balarugi	Dr. Lokesh Bhajantri	2017	Data Perception and Resource Management in Cognitive Internet of Things
12.	Tabassum N. Mujawar	Dr. Lokesh Bhajantri	2017	Trust based Access Control Mechanism for Cloud Environment
13.	Vasudha A.	Dr. Lokesh Bhajantri	2017	Cognitive Agent Based Data Synchronization and Fault Tolerance in Ubiquitous Networks.

IV. Research Projects carried out in the department

Sl.No.	Title	Funding Agency	Amount	Year
1.	Smart Ring Based Real Time Monitoring in Human Emergency Situations	Visveswaraiah Technological University (VTU), Belagavi	1.5 Lakh	December 2019