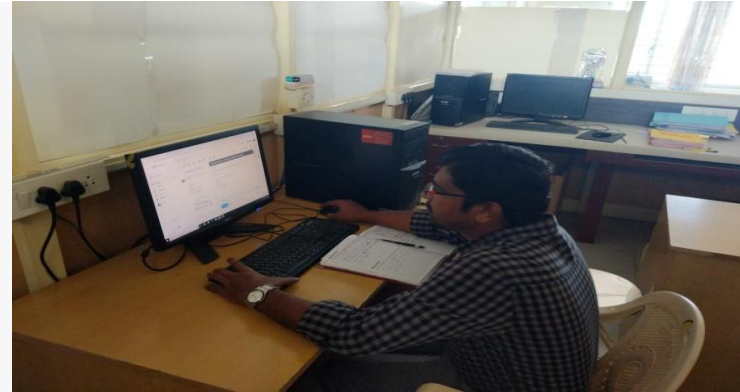




Slrshyla Educational Trust (R), Bheemasamudra
GM INSTITUTE OF TECHNOLOGY, DAVANGERE
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
RESEARCH CENTRE



The Research center in the dept. of Electronics and Communication engineering was established in the year 2011. The research center is permitted under section (41) of VTU act 1994, to offer Ph. D/ M. Sc. (Engg) by the research programs in accordance with the regulations and guidelines in force.

Research Laboratory Details:

Sl. No.	PARTICULARS	SPECIFICATION
1	LABORATORY	REASEARCH CENTRE LAB
2	AREA OF LABORATORY	20 [Sq. Mtrs]
3	NAME OF THE LAB INCHARGE	Dr. MURUGENDRAPPA N
4	NAME OF THE LAB INSTRUCTOR	Mr. RAJASHEKAR YELIGAR
5	NAME OF THE LAB ATTENDER	Mr. RAMESHKUMAR M
6	LAB TIMINGS	09:00 AM TO 12:30 PM 1:30 PM TO 4:30 PM

Research Scholars Registered Under Dept. Research Center

Sl. No	Name of the Research Guide	Research Scholar	Title	University	Year of Registration	No. of Candidate Registered for		Status			Papers Published
						Ph.D.	M.Sc. (Engg.)	Course work Completion Y/N	Compr. Viva-Voce Y/N	Thesis Submitted Y/N	
1	Dr. S H Hiremath	Mr.Umeshkumar C Hirematha	Development of a software tool for analysis and decoding of narrowband data protocols using C and DSP Processor	VTU	2012	✓	-	Y	Y		-
2	Dr. Chandrappa D.N	Mr. Rajendra Soloni (4GM16PEJ01)	Some Studies on Independent Frequency and Radiation Pattern Reconfigurable Microstrip Antennas for Wireless Communication	VTU	2015	✓	-	Y	Y	N	01
		Mr. Rajappa H S (4GM17PEA04)	Design and Analysis of Miniaturized Reconfigurable Ultra Wideband Slotted Micro Strip Antenna for Wireless Communication	VTU	2017	✓	-	Y	N	N	01

		Mr. Chetan S (4GM17PEA02)	Design and Development of Compact Wide and Multiband frequency Reconfigurable Microstrip Planar Monopole Antenna for Wireless Applications	VTU	2017	✓	-	N	N	N	-
3	Dr. Hadimani H C	Mr. Shakib Ahmed Ali (BL16PHNT011)	Development of Piezoresistive Microcantilever Sensors for Microsensing Applications	VTU	2017	✓	-	N	N	N	-
		Mr.Hameed Pasha Mohammed (BLPHDEL438)	Design of Distinct P-based Content Addressable Memory Using Double Gate MOSFET (DGMOSFET)	VTU	2017	✓	-	N	N	N	-

Faculties Registered For Ph.D. Programmer in The Department

Sl. No	Name of the Research Scholar	Year of Registration	Title	Name of the Supervisor	Research Centre	University	Status			Papers Published
							Course work Completion Y/N	Compr. Viva-Voce Y/N	Thesis Submitted Y/N	
1	Mr. Rajashekar K (4JN13PEN04)	2013	Adaptive techniques for Biomedical Data Aggregation in WBAN	Dr. Manjunath P	JNNCE, Shivamogga	VTU	Y	Y	-	
2	Dr.Latha B.M (R15PE06)	2014	Development of Sclera Biometric System using machine Learning Approach	Dr. Ushadevi M B (Supervisor) Dr. Veena K N (Co-Supervisor)	REVA	REVA	Y	Y	Y	04
3	Mrs. Spoorti J Jainar (5VZ16PEJ03)	2015	“Speaker Recognition System for Language Mismatched Environment”	Dr. Nagaraja B G	VTU-RRC	VTU	Y	N	N	-

List of Faculty Publications in Year Wise

1. Publications in the year 2015-16

SL. No.	Name of Faculty	Title of the Publication	Index	Remarks
1	Dr Chandrappa D N	Analysis of specific Absorption rate of microstrip patch antenna for wireless applications.	Google index	International Journal of Advanced Research in Computer and Communication Engineering, Volume 5, Issue 5, May 2016.
2	Dr Chandrappa D N	Design and Anlysis of Reconfigurable Microstrip Antenna for Dual Band Operation in Wireless Applications	Google index	International Journal for Scientific Research and Development Vol 4, Issue 5 July 2016.
3	Latha B M	Sclera Feature Extraction for Detection of Diabetic Disease	Google index	International Journal of Advanced Research in Computer and Communication Engineering, Volume 5, Issue 6, June 2016.
4	Latha B M	Personal Authentication by Extracting Sclera Veins	Google index	International Journal of Advanced Research in Computer and Communication Engineering, Volume 5, Issue 6, June 2016.
5	Netravathi U M	Power Oscillation Damping Controller by Statcom	Google index	International Journal of Computer Technology, Volume 5, Issue 7, July 2016.
6	Savita S Patil	Convolution and De-Convolution using Vedic Mathematics	Google index	International Journal of Advanced Research in Computer and Communication Engineering, Volume 5, Issue 7, July 2016.
7	Venkata Sumana C H	Structural Improvement of Dental X-Ray for Human Identification	Google index	International Journal of Scientific Research and Engineering Studies, Volume 2, Issue 8, August 2015.

8	Rajendra Soloni	Analysis of Specific Rate (SAR) of Microstrip Patch Antenna for Wireless Applications	Google index	International Journal of Advanced Research in Computer and Communication Engineering, Volume 5, Issue 5, May 2016.
9	Sampath Kumar B	IRecognition of Medicinal Leaves using PCA and SVM	Google index	International Journal of Recent Technology and Engineering, Volume 4, Issue 4, page no 45-48, September 2015.

2. Publications in the year 2016-17

SL. No.	Name of Faculty	Title of the Publication	Index	Remarks
1	R M Nilajkar Anusha T S	Extremal Area and Limited Boltzmann Machine Based Vehicle License Plate Recognition System	Google index	IJRTI, Volume 2 Issue 5, May 2017
2	Latha B M Dr.Veena K N Dr.Ushadevi M B	Multiangle Sclera Biometric Recognition and Validation Mechanism using Labview	Google index	International Journal of Intelligent Engineering(INASS) ISSN 2185-3118
3	Latha B M Babu Sab Dr. Ushadevi M B	Implementation of Text and Pictures to Speech Conversion Victimisation OCR	Google index	International Journal for Research Trends and Innovationist 2456-3315 Volume 2,P No.280-285 2017
4	Latha B M Soumya T Dr. Ushadevi M B	Computerized Video Steganography Using Multiple Algorithms	Google index	International Journal for Research Trends And Innovation ISSN 2456-3317 Volume 2 Issue 6, June-2017
5	Savita S Patil Chaitra B H	Deployment of sensors to minimize problems in mobile sensor networks	Google index	International Journal for Research Trends and Innovation, ISSN:2456-3315

6	VenkataSumana C H Basavaraj G C	Detection of underwater images of fish-using feature learning technique	Google index	International Journal for Research Trends and Innovation, ISSN: 2456-3315 Volume 2, Issue 5, May 2017 PAGE:317-319
7	Manjula B K Tejashwini D P	A Grid Centered Method for Identifying Expression in Faintly Perceptible Images	Google index	International Journal for Research Trends and Innovation, ISSN:2456-3315, Volume 2, Issue 5, May 2017
8	Rajappa H S, Rekha G, Rajendra Soloni, , and Dr. Chandrappa D N	Design of Dual Band Microstrip Patch Antenna for RFID Applications	Google index	International Journal for Research Trends and Innovation, ISSN: 2456-3315, Page No. 253-257 Volume 2, Issue 5, May 2017
9	Rajendra Soloni, Rekha G, Rajappa H S and Dr. Chandrappa D N	Design of Dual Band Microstrip Patch Antenna for RFID Applications	Google index	International Journal for Research Trends and Innovation, ISSN: 2456-3315 Page No. 253-257
10	Raghudathesh G P	Land Mass Area of Dharwad District Using Erdas Imagine Tool	Google index	International Journal of Innovative Research and Advanced Studies (IJIRAS) E-ISSN-2394-4404 in volume 3, issue 9, August 2016.
11	Gururaj E, Chethan B V	An Implementation of Automatic Washing Machine Control System using Verilog HDL	Google index	International Journal for Research Trends and Innovation (IJRTI) ISSN: 2456-3315, Volume 2, Issue 7, 2017
12	Chethan B V, Gururaj E	An Implementation of Automatic Washing Machine Control System using Verilog HDL	Google index	International Journal for Research Trends and Innovation (IJRTI) ISSN: 2456-3315, Volume 2, Issue 7, 2017
13	Chethan B V, Akshatha K V, Mohammad Hassan D, H Latha, Manjunath M T	Computerized Deaf, Dumb and Blind Communicator	Google index	International Journal for Research Trends and Innovation (IJRTI) ISSN: 2456-3315, Volume 2, Issue 6, 2017

14	Chethan B V, Arpitha H V, K M Shwetha, Nikhil S Pattar, Rahul Kuntoji	Arduino based Trainable Robotic Arm	Google index	International Journal for Research Trends and Innovation (IJRTI) ISSN: 2456-3315, Volume 2, Issue 5, 2017
15	Chethan B V, Arpitha H V, Meghana Vishwanath	FPGA Implementation of ALU using Vedic Mathematics	Google index	Journal of VLSI and Signal Processing (IOSR-JVSP) e-ISSN: 2319-4200, p-ISSN: 2319-4197, Volume 6, Issue 4, ver. II, PP 08-12, July-August 2016

2. Publications in the year 2017-18

SL. No.	Name of Faculty	Title of the Publication	Index	Remarks
1	Latha B M Dr.Veena K N Dr.Ushadevi M B	A Novel Biometric Identification System using DWT-HJDLBP Feature Extraction and SVM Classifier	Elsevier Scopus Indexed Journal	Journal of Advanced Research in Dynamic and Control Systems sec scopus paper Vol.9. Sp-17/2017
2	Latha B M Dr.Veena K N Dr.Ushadevi M B	Multiangle Sclera Biometric Recognition and Validation Mechanism using LabView	Elsevier Scopus Indexed Journal	Journal of Advanced Research in Dynamic and Control Systems Sp2017220 Vol.9. Sp-18/2017
3	Latha B M Dr.Veena K N Dr.Ushadevi M B Babu Sab	A New Technique for Sclerotic Coat Vessel Recognition Utilizing OLBP	Google Index	International Journal of Research and Advanced Development Volume 01, Issue 04, pp.88-92, October 2017

4	Dr. Murugendrappa N	Digital Watermarking using Compression Sensing	Google Index	International Journal for Research in Applied Science and Engineering Technology,ISSN: 2321-9653 IC Value:45.98,SJ Impact Factor: 6.887 Volume 5, Issue XII, December 2017
5	Dr. Murugendrappa N	Implementation of Context Adaptive Variable Length Coding and Decoding Algorithm for H.264 Video Codec using MATLab	Google Index	International Journal of Advances in Engineering & Technology,ISSN: 22311963,Volume 11, Issue 3, pp. 113-121, June 2018
6	Harisha G C	Implementation of Context Adaptive Variable Length Coding and Decoding Algorithm for H.264 Video Codec using MATLab	Google Index	International Journal of Advances in Engineering & Technology,ISSN: 22311963,Volume 11, Issue 3, pp. 113-121, June 2018
7	Chetan B V	Disaster Management System using IoT	Google Index	International Journal for Research Trends and Innovation (IJRTI) ,ISSN: 2456-3315, Volume 3, Issue 6, June 2018
8	Chetan B V	Granary Management System using IoT	Google Index	International Journal for Research Trends and Innovation (IJRTI) ,ISSN: 2456-3315, Volume 3, Issue 6, June 2018
5	Sharanabasaveshwara H B	Digital Watermarking using Compression Sensing	Google Index	International Journal for Research in Applied Science and Engineering Technology,ISSN: 2321-9653 IC Value:45.98,SJ Impact Factor: 6.887 Volume 5, Issue XII, December 2017

Research center in charge: (Teaching faculty)

Dr. MURUGENDRAPPA N