**Research Students details:**

|  |  |
| --- | --- |
| **Guides from GIT** | **8** |
| **Guides from Non-GIT**  | **7** |
| **Total No of Research Students** | **25** |
| **No PhD awarded up to 2022 from ECE RC** | **15** |

**List of Research Guides details.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Name of the Guide | Areas of Research | No. of. Scholars Pursuing | No. of. Scholars Awarded |
| 1 | Dr. S Mitra | Control System, wireless Communication | 2 | 0 |
| 2 | Dr. Anil B. Gavade | Computer Vision and Machine Perception | 2 | 0 |
| 3 | Dr. S S. Shanbhag | VLSI, Image Processing | 0 | 0 |
| 4 | Dr. Anupama Sanjay Awati | Image Processing | 0 | 0 |
| 5 | Dr. Bhagyashri Pandurangi Ramacharya | Cyber security | 0 | 0 |
| 6 | Dr. Uttam U. Deshpande | Machine learning, Image Processing | 0 | 0 |
| 7 | Dr. Manjunath Managuli | VLSI | 0 | 0 |
| 8 | Dr. Suresh Kuri | Embedded System, Image Processing | 0 | 0 |
| 9 | Dr. Veena V. Desai | Image Processing, Biomedical, Cryptography | 5 | 3 |
| 10 | Dr. Santosh S. Saraf | Atomic Computation and pervasive computing system | 4 | 0 |
| 11 | Dr. Mallikarjun Anandhalli | Video Analytics and Computer Vision | 2 | 0 |
| 12 | Dr. DattaprasadTorse | Biomedical Electronics and Signal Processing | 2 | 0 |
| 13 | Dr. Prashant P Patavardhan | Image Processing, Neural Network | 4 | 1 |
| 14 | Dr. G. R. Udupi | Biomedical Electronics and Signal Processing | 1 | 4 |
| 15 | Dr. V R Udupi | Wireless Communication, Image Processing | 1 | 3 |

**List of Research Scholars (Ongoing)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the research Scholar** | **USN** | **Guide Name** | **Co guide name** | **Dept.,** | **Year of admission** | **Current status** | **Research area** |
| 1. | Mr.Santosh Kulkarni | Yet to receive from VTU | **Dr. Saurav Mitra** | Nil | ECE | 2021 | Registered | Nano Tech |
| 2. | Ms. Kalamma.Hanchinal | Yet to receive from VTU  |  | Nil | ECE | 2021 | Registered |  -- |
| 3 | Ms. Chaitali Prabhu | Yet to receive from VTU | **Dr. Anil B. Gavade** | Nil | ECE | 2021 | Registered | AI and Image Processing  |
| 4 | Mr. Vishweshkumar Aithal | Yet to receive from VTU |  | Nil | ECE | 2021 | Registered | AI and Image Processing  |
| 5 | V B Deshmuk | 2GI11PEN02 | **Dr.Veena Desai** | Nill | ECE | 2011 | Pre PhD-Comprehensive viva voce completed | Wireless  |
| 6 | Rekha B.U. | 2GI16PEJ08 |  | Nill | ECE | 2015 | Pre PhD-Comprehensive viva voce completed | Remote Sensing |
| 7 | Ashish Gadgil | 2GI18PEC01 |  | Nill | ECE | 2018 | Course work completed | NLP |
| 8 | **Sagar Santaji** | 2GI19PEC01 |  | Nill | ECE | 2019 / June 2023 | **PhD awarded**  | Biomedical |
| 9 | Pratijnya S Ajawan | 2GI19PEC03 |  | Nill | ECE | 2019 | Pre PhD-Comprehensive viva voce completed | NLP |
| 10 | Praveen Kalkundari | 5VX13PEN36 |  | Nil | ECE | 2013  | Pre PhD-Comprehensive viva voce completed | VLSI |
| 11 | Sneha Nargundkar | 2GI20PEC06 |  | Nil | ECE | 2021 | Appearing Course work | Biomedical |
| 12 | Praveen Gurav | 2GI16PEJ15 | **Dr. Santosh S. Saraf** | Nill | ECE | 2016 | Pre PhD-Comprehensives viva voce completed  | Multimedia  |
| 13 | Gajanan Tudavekar | 5VZ16PEJ70 |  | Nill | ECE | 2016 | Pre PhD-Comprehensives viva voce completed  | Video Processing  |
| 14 | Rashmi V. Pawar | 2GI20PEC04 |  | Nill | ECE | 2021 | Appearing Course work | Biomedical |
| 15 | Kalyani Ashok Bedekar | Yet to receive from VTU |  | Nill | ECE | 2021 | Appearing Course work | Biomedical |
| 16 | Anandraddi Naduvinamani | Yet to receive from VTU | **Dr. Mallikarjun Anandhalli** | Nill | ECE | 2021 | Appearing Course work | Video Processing |
| 17 | Sree Lakshmi | 2GI20PEC07 |  | Nill | ECE | 2021 | Appearing Course work | Video Processing |
| 18 | JYOTHI C K | 2GI20PEC02 | **Dr. Dattaprasad A. Torse** | Nill | ECE | 2021 | Appearing Course work |  |
| 19 | Salma Hussainnaik | 2GI20PEC05 |  | Nill | ECE | 2021 | Appearing Course work | Image processing |
| 20 | D. A. Kulkarni | 2GI04PEN01 | **Dr. G. R. Udupi** | Nill | ECE | 2004 | Pre PhD-Comprehensives viva voce completed | Image processing |
| 21 | Pooja P Belagali | 2GI11PEN02 | **Dr. V R Udupi** | Nill | ECE | 2011 | Pre PhD-Comprehensives viva voce completed | Image processing |
| 22 | Prof. N M Chavan | 2GI13PEN02 | **Dr P P Patavardhan** | Nill | ECE | 2013 | Pre PhD-Comprehensives viva voce completed | Image processing |
| 23 | Prof. S. K. Apte | 2GI13PEN03 |  | Nill | ECE | 2013 | Pre PhD-Comprehensives viva voce completed | Image processing |
| 24 | Mr Pramod G Devalatkar | 2GI16PEJ01 |  | Nill | ECE | 2016 | Course work completed | Image processing |
| 25 | Prof. Arti Sudhakar | 2GI19PEC02 |  | Nill | ECE | 2019 | Appearing Course work | Image processing |

**Table List of Quality Publications.**

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| **QUALITY PUBLICATION SUMMARY** |
| **ACADEMIC YEAR** | **Q1** | **Q2** | **Q3** | **Q4** | **Total** |
| 2018-2019 | 1 | 2 | 2 | 2 | **07** |
| 2019-2020 | 0 | 6 | 3 | 0 | **09** |
| 2020-2021 | 0 | 2 | 5 | 0 | **07** |
| 2021-2022 | 2 | 3 | 0 | 1 | **06** |
| **2022-2023** | **0** | **0** | **0** | **0** | **00** |
| **Total** | **03** | **13** | **10** | **03** |  |

**PhD Completed list:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Serial No | Research Scholar Name | Title of Thesis | Year of Completion | Guide |
| 1 | Ms. J. D .Mallapur | Fuzzy Based Resource allocation and Multicast Routing In Wireless Multimedia Cellular Network | 2009 | Dr. D H Rao |
| 2 | Mr. P. P. Patavardhan | A Gender classification study based on Human Iris Textural Pattern Analysis Using Neural Network and Fuzzy Logic | 2011 | Dr. D H Rao |
| 3 | Mr. Sanjay A. Pujar | Design of Cardiovascular Test and study of vessel stress using FEA | 2011 | Dr. V R. Udupi |
| 4 | Mr. S. R. Mangalwade | Application of Intelligent Multi Agent Technology in Knowledge grid environment for learning System | 2012 | Dr. D H Rao |
| 5 | Mr. D.B. Kulkarni | Minimization of SVC Injected Harmonics at Distribution level using Artificial Intelligence Technique | 2012 | Dr. Gururaj R. Udupi |
| 6 | Ms. Veena V. Desai | Application of Neural Network to Cryptography and Water marking | 2013 | Dr. D H Rao |
| 7 | Mr. Santosh S. Saraf | Decision Support System Using Machine Learning Techniques for Diagnosis of Gastro-Esophageal Reflux | 2017 | Dr. Gururaj R. Udupi |
| 8 | Mr.Anand B Deshpande | Super Resolution Based Video Image Analytics for IRIS Recognition | May-18 | Dr. Prashant P Patavardhan |
| 9 | Mr. Dattaprasad Torse | Design and development of Optimum brain signal processing interface for seizure detection system | May-18 | Dr. Veena V. Desai |
|
| 10 | Ms. Shabanam S. Tamboli | A performance analysis of image compression technique using wavelet coefficients and implementation of an efficient wavelet based image compression method. | Sep-18 | Dr. V R. Udupi |
| 11 | Mr. Basavraj Tigadi | Optimized design and analysis of Microstrip patch antennas for wireless network using efficient techniques | Nov-18 | Dr. V R. Udupi |
|
| 12 | Mr V A Kulkarni | A Precise instruction level energy consumption Estimation of Embedded processor for Low power applications | Feb-19 | Dr. Gururaj R. Udupi |
| 13 | Mr. Anil B Gavade | Machine Learning Approaches for resolution Enhancement and classification of vegetation area using satellite imagery | Mar-19 | Dr. V. S. Rajpurohit |
| 14 | Mrs. S S. Shanbhag | Signal processing of diffusion weighted magnetic resonance images for the diagnosis of brain tissue pathologies with probability neural network as a classifier | Jun-19 | Dr. Gururaj R. Udupi |
| 15 | Mr. Sagar Sambhaji Santaji | Automatic Sleep Stage Classification Based on EEG Signal Analysis to Identify Sleep Insomnia | 08/06/2023 | Dr. Veena V. Desai |
|  |  |  |  |  |

**List of Faculties Awarded Ph.D**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Serial No | Research Scholar Name | Title of Thesis | Year of Completion | Guide |
| 1 | Mr. Dattaprasad Torse | Design and development of Optimum brain signal processing interface for seizure detection system | May-2018 | Dr. Veena V. Desai |
|
| 2 | Mr. Anil B Gavade | Machine Learning Approaches for resolution Enhancement and classification of vegetation area using satellite imagery | Mar-2019 | Dr. V. S. Rajpurohit |
| 3 | Mrs. S S. Shanbhag | Signal processing of diffusion weighted magnetic resonance images for the diagnosis of brain tissue pathologies with probability neural network as a classifier | Jun-2019 | Dr. Gururaj R. Udupi |
|
| 4 | Mr. P. V. Gopikrishna | Power Management in FPGA based System | 31-05-2020 | Dr G. H. Kularni |
| 5 | Mr. Suresh Kuri | Enhanced DIgital Image Watermarking using Neural Networks | 18-03-2019 | Dr G. H. Kularni |
| 6 | Mrs. Anupama Sanjay Awati | Digital Image inpainting Techniques | 2020 | Dr Meenakshi R Patil |
| 7 | Ms. Bhagyashri Pandurangi Ramacharya | Self-Adaptive Color Image Encryption based on Chaotic Mapping | 2020 | Dr Meenakshi R Patil |
| 8 | Mr. Uttam U. Deshpande | “Latent fingerprint identification based on minutiae features. | 2021 | Dr. V.S. Malemath |
| 9 | Mr. Sagar Sambhaji Santaji | Automatic Sleep Stage Classification Based on EEG Signal Analysis to Identify Sleep Insomnia | 2023 | Dr. Veena V. Desai |

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| --- | --- | --- | --- | --- |
|  | **GIT - EEE - RC** | **2019** |  |  |
| 1 | Mr. P. V. Gopikrishna | Power Management in FPGA based System | 5/31/2020 | Dr G. H. Kularni |
| 2 | Mr. Suresh Kuri | Enhanced DIgital Image Watermarking using Neural Networks | 3/18/2019 | Dr G. H. Kularni |
|  |  |  |  |  |
|  | **VTU - RRC** |  |  |  |
| 1 | Mrs. Anupama Sanjay Awati | Digital Image inpainting Techniques | 2020 | Dr Meenakshi R Patil |
| 2 | Ms. Bhagyashri Pandurangi Ramacharya | Self-Adaptive Color Image Encryption based on Chaotic Mapping | 2020 | Dr Meenakshi R Patil |
| 3 | Mr. Uttam U. Deshpande | Latent fingerprint identification based on minutiae features. | 2021 | Dr. V.S. Malemath |
| 4 |

|  |  |
| --- | --- |
| Mr. Ramesh Koti |  |

 | Design and Development of Intelligent Safety Information Dissemination Schemes for VANETs | 12.04.2023 | Dr.Mahabaleshwar S Kakkasageri |
|
|

**Doctoral Committee Members and Students Details**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **College Chair Chairperson** | **Department** **Research Center Chair Chairperson** | **Guide** | **Internal domain Expert** | **External Domain Expert** | **USN** | **Name of Candidate** |
| Dean – R and D | Dr. Santosh S. SarafKLS GIT, Belgaum | Dr.Veena Desai KLS GIT, Belgaum | Dr.Santosh S. SarafKLS GIT, Belgaum | Dr. Tanuja CVTU, Belgaum | 2GI15PEJ21 | Ashwini Shinde |
| 2GI16PEJ08 | Rekha B.U. |
| 2GI18PEC01 | Ashish Gadgil |
| Dr. Anil B. GavadeKLS GIT, Belgaum | Dr. Rajashri KhanaiKLE Dr. M.S.Sheshgiri College of Engineering and Technology, Belagavi | 2GI19PEC01 | Sagar Santaji |
| 2GI19PEC03 | Pratijnya S Ajawan |

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| --- | --- | --- | --- | --- | --- | --- |
| **College Chair Chairperson** | **Department Research Center Chair Chairperson** | **Guide** | **Internal domain Expert** | **External Domain Expert** | **USN** | **Name of Candidate** |
| Dean – R and D | Dr. Santosh S. SarafKLS GIT, Belgaum | Dr. Prashant P. Patavardhan, ECE, School of Engineering, Dayananda Sagar University, | Dr. Santosh S. SarafKLS GIT, Belgaum | Dr. R L ItagiKLE IT,Hubbali | 2GI16PEJ01 | Pramod Devalatkar |
| Dr. Mallikarjun Anandhalli | Mr.Anand B Deshpande AITM Belagavi | 2GI19PEC02 | Prof. Arti Sudhakar |

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| --- | --- | --- | --- | --- | --- | --- |
| **College Chair Chairperson** | **Department Research Center Chair Chairperson** | **Guide** | **Internal domain Expert** | **External Domain Expert** | **USN** | **Name of Candidate** |
| Dean – R and D | Dr. Santosh S. SarafKLS GIT, Belgaum | Dr. Santosh S. SarafKLS GIT, Belgaum | Dr. Anil B. GavadeKLS GIT, Belgaum | Dr. DATKLE Dr. M.S.Sheshgiri College of Engineering and Technology, Belagavi | 2GI16PEJ15 | Praveen Gurav |
| Dr. Anil B. GavadeKLS GIT, Belgaum | Dr. DATKLE Dr. M.S.Sheshgiri College of Engineering and Technology, Belagavi | 5VZ16PEJ70 | Gajanan Tudavekar |

## Sponsored Research

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Title of the Research****Work** | **Name of Principal****Investigator** | **Funding****Agency** | **Year of****Sanction** | **Sanctioned****Amount** | **Released****Amount** | **Period** |
| Detection of Vehicle for Intelligent Traffic Management System | Dr. Mallikarjun Anandhalli | SERB | 2019-2020 | 15,71,900/- | 9.90+ | 2 year |