

## Students Pursuing PhD

| S.No | USN            | Name of the Research        | Topic                                                                                                           | Date of Registra | Name of the Supervisor |
|------|----------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------|------------------|------------------------|
| 1    | 1RV20PE<br>C02 | Monica K M                  | Multilevel converter for multi Xray application                                                                 | 2021             | Dr.Abhay Deshpande     |
| 2    | 1RV20PE<br>C01 | Hema                        | High Performance VLSI Design of Pipelined Adaptive Decision Feedback Equalizer for 5G communication System      | 2021             | Dr.Srividya            |
| 3    | 1RV20PE<br>C03 | Namratha                    | Development of High Performance FFT/IFFT VLSI Architecture for 5G applications                                  | 2021             | Dr.Srividya            |
| 4    | 1RV20PE<br>C05 | Sujata Priyambada<br>Mishra | Multisensor fusion for localization of sound and image data                                                     | 2021             | Dr.M.Uttara Kumari     |
| 5    | 1RV20PE<br>C04 | Neeta Malavi                | Design and Analysis of Secure Data Aggregation in Wireless Sensor Networks                                      | 2021             | Dr.Shylashree N        |
| 6    | 1RV19PE<br>E04 | Champa P                    | Design and Implementation of Cascaded Multilevel DC-AC Inverter with Renewable Energy Resources                 | 2019             | Dr.Abhay Deshpande     |
| 7    | 1RV19PE<br>C05 | Keka Mukhopadhaya           | Device Modeling and Simulation of thin film transistors                                                         | 2019             | Dr.Srividya            |
| 8    | 1RV19PE<br>C01 | Soumya R Nadgir             | Device Modeling and Performance evaluation of GaN HEMT.                                                         | 2019             | Dr.Srividya            |
| 9    | 1RV19PE<br>C07 | Sowmya Nag                  | Development of Automated Detection and grading of CashewKernels                                                 | 2019             | Dr.Veenadevi S.V       |
| 10   | 1RV19PE<br>C04 | Rajith Kumar BK             | Development of Novel Algorithm to recognize stone inscripted Kannada words based on convolution Neural network. | 2019             | Dr.B.V.Uma             |
| 11   | 1RV19PE<br>C06 | V Vijayalakshmi             | Modeling and Simulation of MEMS Based Toxic Gas Sensors                                                         | 2019             | Dr.K.S.Geetha          |
| 12   | 1RV19PE<br>C03 | Sushant G                   | A Network Simulator for Wireless Testing of Mobile Applications and Prototyping Wireless Applications           | 2018             | Dr.H.V.Ravish Aradhya  |
| 13   | 1RV19PE<br>C02 | Neetu S                     | Design and Analysis of Performance Enhancement Algorithms for Software Defined Networks.                        | 2018             | Dr.H.V.Ravish Aradhya  |

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|----|----------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------|----------------------------|
| 14 | 1RV19PE<br>C08 | Sameera P               | Design of automatic drone system to identify pomegranate diseases                                                                 | 2018 | Dr.Abhay Deshpande         |
| 15 | 1RV19PE<br>C09 | Javalkar Vinay<br>Kumar | Design and Implementation of Electronic Biosensor for Hormone Analysis                                                            | 2011 | Dr.Shylashree N            |
| 16 | 1RV18PE<br>C02 | Ravikant G Biradar      | Optimized hardware architecture for machine learning applications                                                                 | 2018 | Dr.B.V.Uma                 |
| 17 | 1RV18PE<br>C01 | Praveena.N              | Design and analysis of high speed low power memory devices                                                                        | 2017 | Dr.Shylashree N            |
| 18 | 1RV18PE<br>C03 | Sudha Karbari           | Design and development of artificial epithelium membrane for biological application                                               | 2017 | Dr.M.Uttara Kumari         |
| 19 | 1RV17PE<br>A31 | Padmavati               | Compression and cancellation of artefact of ECG signals using modified non linear filter                                          | 2017 | Dr.Veenadevi S.V           |
| 20 | 1RV17PE<br>A32 | Govind M R              | Modeling and Design aspects of FinFETs for Low Power SRAM Circuit Design                                                          | 2017 | Dr.H.V.Ravish Aradhya      |
| 21 | 1RV17PE<br>A33 | Anitha N                | Low power high speed digital circuit design based on carbon nano tube technology                                                  | 2017 | Dr.Srividya                |
| 22 | RV16PEJ1       | Dr Arun Kumar           | Performance improvement of sigma-delta ADC for wide band applications                                                             | 2016 | Dr.H.V.Ravish Aradhya      |
| 23 | 1RV16PE<br>J06 | Kumar P                 | FPGA based low complexity, high performance architecture for FMBC transmitter                                                     | 2015 | Dr.Usha Rani K.R           |
| 24 | 1RV16PE<br>J09 | SmithaGayathri D        | Mitigation of impulse noise and load effects in broad band PLC                                                                    | 2015 | Dr.Usha Rani K.R           |
| 25 | 1RV15PE<br>J12 | Vivekanand GS           | Model based verification and validation of electronic engine controller performance for a developmental aero engine               | 2014 | Dr.Suresh (Chemical dept.) |
| 26 | 1RV15PE<br>J04 | Muralidharan V          | Development and characterisation of sensors for vibration survey on aero engines                                                  | 2014 | Dr.Suresh (Chemical dept.) |
| 27 | 1RV15PE<br>J22 | Binu                    | Design and development of an artificial inspired search algorithm for fault diagnosis of electronic circuits and its applications | 2014 | Dr.Kariyappa B.S           |
| 28 | 1RV15PE<br>J14 | Praveen kumar Y G       | Design, optimization, testing and comparative analysis of vedic multipliers using reversible logic                                | 2014 | Dr.Kariyappa B.S           |
| 29 | 1RV15PE<br>J08 | Hemath Kumar C.S        | Design, optimization and implementation of SRAM cells for high density memory application                                         | 2014 | Dr.Kariyappa B.S           |

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|----|----------------|-------------------|----------------------------------------------------------------------------------------|------|--------------------|
| 30 | 1RV13PE<br>N08 | Bhavya R          | Development of fast algorithms for feature processing and modelling in motion tracking | 2013 | Dr.K.S.Geetha      |
| 31 | 1RV13PE<br>N10 | Ravishankar Holla | Thin film transistor sensor based wireless sensor network                              | 2013 | Dr.M.Uttara Kumari |
| 32 | 1RV13P<br>EN32 | Anand Swamy A S   | Efficient Algorithm for Multi-scale compression of High Dynamic Range Color Image      | 2013 | Dr.Shylashree N    |