

| Name of the faculty    | Number of publications in journals/conferences/Books/Book chapters |          |          |                             |                  |          |          |          |                             |                  |          |          |           |                             |                  |          |          |          |                             |                  |
|------------------------|--|----------|----------|-----------------------------|------------------|----------|----------|----------|-----------------------------|------------------|----------|----------|-----------|-----------------------------|------------------|----------|----------|----------|-----------------------------|------------------|
|                        | 2020-21  |          |          | No. of SCI/ SCOPES Journals | No. of citations | 2019-20  |          |          | No. of SCI/ SCOPES Journals | No. of citations | 2018-19  |          |           | No. of SCI/ SCOPES Journals | No. of citations | 2017-18  |          |          | No. of SCI/ SCOPES Journals | No. of citations |
|                        | J  | C        | B        |                             |                  | J        | C        | B        |                             |                  | J        | C        | B         |                             |                  | J        | C        | B        |                             |                  |
| Prof. M. Sreelatha     | 0  | 0        | 0        | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                | 0        | 0        | 0         | 0                           | 0                | 0        | 0        | 0        | 0                           |                  |
| Dr. K. Sivani          | 2  | 0        | 0        | 2                           | 1                | 2        | 1        | 1        | 2                           | 3                | 2        | 1        | 0         | 3                           | 4                | 5        | 2        | 3        | 5                           | 3                |
| Dr. K. Venu Madhav     | 0  | 2        | 0        | 0                           | 0                | 0        | 1        | 0        | 0                           | 0                | 0        | 1        | 0         | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                |
| Smt. R. Nirmala Devi   | 1  | 0        | 0        | 0                           | 0                | 0        | 1        | 0        | 0                           | 0                | 0        | 0        | 0         | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                |
| Sri O. Anjaneyulu      | 0  | 0        | 0        | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                | 0        | 0        | 0         | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                |
| Dr. M. Raghu Ram       | 0  | 0        | 0        | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                | 1        | 0        | 0         | 1                           | 0                | 0        | 0        | 0        | 0                           | 0                |
| Sri B. Shashikanth     | 0  | 0        | 0        | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                | 0        | 0        | 0         | 0                           | 0                | 1        | 0        | 0        | 0                           | 0                |
| Sri B. Jeevan          | 1  | 0        | 0        | 1                           | 0                | 1        | 0        | 0        | 0                           | 0                | 0        | 1        | 0         | 0                           | 1                | 0        | 1        | 1        | 0                           | 0                |
| Dr. K. Srinivas        | 0  | 0        | 0        | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                | 1        | 0        | 0         | 1                           | 1                | 0        | 1        | 0        | 0                           | 3                |
| Sri B. Venu Maheswar   | 0  | 1        | 0        | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                | 0        | 0        | 0         | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                |
| Smt. B. Smitha         | 0  | 0        | 0        | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                | 0        | 0        | 0         | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                |
| Smt. K. Shailaja       | 1  | 1        | 0        | 1                           | 1                | 0        | 0        | 0        | 0                           | 0                | 0        | 0        | 0         | 0                           | 0                | 1        | 0        | 0        | 0                           | 0                |
| Sri G. Raju            | 0  | 0        | 0        | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                | 0        | 0        | 0         | 0                           | 0                | 1        | 0        | 0        | 1                           | 0                |
| Sri B. Krishna Sundeep | 0  | 1        | 0        | 0                           | 0                | 1        | 0        | 0        | 1                           | 0                | 0        | 0        | 0         | 0                           | 0                | 0        | 0        | 0        | 0                           | 0                |
| Total (J, C & B)       | 5  | 5        | 0        | 5                           | 2                | 4        | 3        | 1        | 3                           | 3                | 4        | 3        | 0         | 4                           | 6                | 8        | 4        | 4        | 0                           | 6                |
| <b>Sum</b>             | <b>10</b>  | <b>0</b> | <b>5</b> | <b>2</b>                    | <b>7</b>         | <b>1</b> | <b>4</b> | <b>3</b> | <b>7</b>                    | <b>0</b>         | <b>5</b> | <b>6</b> | <b>12</b> | <b>4</b>                    | <b>4</b>         | <b>4</b> | <b>4</b> | <b>6</b> |                             |                  |

| Dr. K. Venu Madhav                              |  |
|---|--|
| Publications in Refereed Conference Proceedings |  |
| S. No   | Details  |
| [1]   | G. G. Kumar, K. Eswaraiah, <b>K. V. Madhav</b> and K. A. Reddy, "Mathematical and Experimental Studies on Effect of Number of Blades on Centrifugal Pump used in Left Ventricular Assisted Device," in proc. 66 <sup>th</sup> annual ASAIO conference, Chicago, IL, USA, DOI: 10.1097/MAT.0000000000001007                                       |
| [2]   | [1] G. G. Kumar, K. Eswaraiah and <b>K. V. Madhav</b> "Parametric Studies on Centrifugal Heart Pump for Total Artificial Heart (TAH)using Genetic Algorithms" in proc. 65 <sup>th</sup> annual ASAIO conference, San Francisco, CA, USA, 26-29 June 2019, DOI: 10.1097/MAT.0000000000001186  |
| [3]   | G. Ganesh Kumar, K. Sridhar, <b>K. V. Madhav</b> , K. Eswaraiah and K. A. Reddy, "Experimental and Numerical Studies of a Centrifugal Heart Pump used for Total Artificial Heart (TAH)," in proc. 66 <sup>th</sup> American Society of Artificial Internal Organs (ASAIO) conference, Washington DC, USA, 10-12 June 2021, (In press)            |
| [4]   | G. Ganesh Kumar, K. Sridhar, <b>K. V. Madhav</b> , K. Eswaraiah and K. A. Reddy, "Comparison studies on six and Four Blade Centrifugal Heart Pump Used for Left Ventricular Assisted Device (LVAD)," in proc. 66 <sup>th</sup> American Society of Artificial Internal Organs (ASAIO) conference, Washington DC, USA 10-12 June 2021, (In press) |

| Dr. K. Sivani                                   |  |
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| Publications in Refereed Conference Proceedings |  |
| S. No   | Details  |
| [1]   | Basavoju Harish, <b>Dr.K.Sivani</b> , Dr.M.S.S.Rukmini, "Design and performance comparison among various types of Adder Topologies," in <i>Proc. of IEEE International Conference on computing methodologies and communication</i> , Surya Engineering College, Erode, Tamilnad, 27-29 March 2019                                |
| [2]   | B.Jeevan, <b>K. Sivani</b> , " A Review on different Logic Styles to design High Performance VLSI Decoders," in <i>Proc. of IEEE International Conference on Networking, Embedded and Wireless Systems (ICNEWS)</i> , BMS College of Engg., Bangalore, 27th-29th Dec,2018, ISBN No.978-1-5386-7949-4                             |
| [3]   | Basavoju Harish, <b>Dr.K.Sivani</b> , Dr.M.S.S.Rukmini, "Performance comparison of various CMOS Full adders" in <i>Proc. of IEEE International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)</i> , SKR Engineering College, Chennai, India, August 1st to 2nd ,2017. ISBN-978-1-5386-1887-5/17 |
| [4]   | B.Jeevan, Dr. K. Sivani, " A New High Speed Multiplier based on Carry Look Ahead Adder and Compressor" ,VLSI Design: Circuits, Systems and Applications,Select Proceedings of ICNETS2, Lecture notes in Electrical Engineering, Springer, Volume 469, ISBN 978-981-10-7250-5, Feb,2018   |
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| S. No   | Details  |
| [1]   | Harish, B., Rukmini, M. S. S., & Sivani, K. (2021). Design of MAC unit for digital filters in signal processing and communication. <i>International Journal of Speech Technology</i> , 1-5.  |
| [2]   | Jeevan, B., & Sivani, K. (2021). Design of 0.8 V, 22 nm DG-FinFET based efficient VLSI multiplexers. <b>Microelectronics Journal</b> , 113, 105059. (SCI, Impact factor: 1.4) (Elsevier)   |
| [3]   | Basavoju Harish, <b>K.Sivani</b> , Dr.M.S.S.Rukmini, "Implementation of Frequency Efficient Multiplexer based CORDIC on FPGA", <i>International Journal of Advanced Science and Technology</i> Vol. 29, No. 05, (2020), pp. 753-762,ISSN: 2005 -4238 IJAST   |
| [4]   | B.Jeevan, <b>K.Sivani</b> , "Heterogeneous Logic: a High Performance and Low Power Non-CMOS 4-1 Multiplexer ", <i>International Journal of Engineering and Advanced Technology</i> (DOI: 10.35940/ijeat.C6201.029320 ISSN: 2249 – 8958), Volume-9 Issue-3,   |

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| [5]  | <b>M. R. Ram</b> , K. Sivani and K. A. Reddy, "MS-EMD based signal processing method for reduction of motion artifacts from PPG signals," <i>International Journal of Applied Engineering Research (IJAER)</i> , vol. 13, no.21, pp. 14969-14973, November 2018. (UGC)   |
| [6]  | E. H. Krishna, K. Sivani and K. A. Reddy, "New channel estimation method using singular spectrum analysis for OFDM Systems," <i>Springer Wireless Personal Commun.</i> , vol. 101, no. 4, pp. 2193-2207, August 2018. (DOI: 10.1007/s11277-018-5811-5; ISSN: 0929-6212; e-ISSN: 1572-834X) (SCI, Impact factor: 1.200)   |
| [7]  | Ch.Navitha, K. Sivani and K. A. Reddy, "Performance Evaluation of Adaptive Continuous Wavelet Transform Based Rake Receiver for Ultra- Wideband Systems", <i>International Journal of Electrical and Computer Engineering</i> , ISSN: 2088-8708, September, 2017(Scopus)   |
| [8]  | E. H. Krishna, K. Sivani and K. A. Reddy, "On the use of EMD based adaptive filtering for OFDM channel estimation," <i>Elsevier AEÜ Int. Journal of Electron. and Commun.</i> , vol. 83, pp. 492-500, January 2018. (DOI: 10.1016/j.aeue.2017.11.002; ISSN: 1434-8411) (SCI, Impact factor: 2.115)   |
| [9]  | CH. Navitha, <b>K. Sivani</b> and K. A. Reddy, " Adaptive Wavelet Transform Based Rake Receiver for Ultra-Wideband Systems" <i>AMSE JOURNALS-AMSE IETA publication-2017-Series: Advances B</i> ; ISSN 12404543 , Vol. 60; N°2; pp 355-369 (Scopus)   |
| [10]   | E. H. Krishna, K. Sivani and K. A. Reddy, "Empirical mode decomposition based adaptive filtering for orthogonal frequency division multiplexing channel estimation," <i>International Journal of Engineering (IJE) Transactions A: Basics</i> , vol. 30, no. 10, pp. 1517-1525, October 2017. (DOI: 10.5829/ije.2017.30.10a.13; ISSN: 1728-1431; e-ISSN: 1735-9244) (Scopus) |
| [11]   | E.Harikrishna, <b>K.Sivani</b> , K.Ashoka Reddy, "OFDM Transceiver using Hirschman Optimal Transform", <i>Elsevier Science and Technology Book</i> , pp:265-270,ISBN-978-93-5107-228-7   |
| <b>Articles/ Chapters published in Books</b> |  |
| <b>S. No</b>                                 | <b>Details</b>   |
| [1]  | B.Jeevan, Dr. <b>K. Sivani</b> , " A New High Speed Multiplier based on Carry Look Ahead Adder and Compressor" ,VLSI Design: Circuits, Systems and Applications,Select Proceedings of ICNETS2, Lecture notes in Electrical Engineering, Springer, Volume 469, ISBN 978-981-10-7250-5, Feb,2018   |

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| [2] | Ch.Pavan Kumar, <b>Dr.K.Sivani</b> , "Modeling of Tunnel Field Effect Transistor for Ultra-Low Power Applications" Lecture Notes in Networks and Systems, Springer publications, ISSN: 2367-3370.  |
| [3] | T.Swapna, <b>Dr.K.Sivani</b> , Dr.K.Kishan rao, "Performance Index of the Outage Probability for Two relay Decode and Forward Cooperative Communications" Emerging Research in Computing, Information Communication and Applications, Springer publications, ISBN 978-981-10-0287-8. |

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| <b>Smt. R. Nirmala Devi:</b>             |  |
| <b>S. No</b>                             | <b>Details</b>   |
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| <b>S. No</b>                             | <b>Details</b>   |
| [1]                                      | Nirmaladevi, R., & Rao, K. K. (2019). An Adaptive Bayesian Computation Model for CDMA Multiuser Detection using Evolutionary Computation Scheme. Indian Journal of Public Health Research & Development, 10(5). DOI Number: 10.5958/0976-5506.2019.01203.8th May 2019, Vol. 10. 5                                    |
| <b>Sri M. Raghu Ram</b>                  |  |
| <b>Publications in Refereed Journals</b> |  |
| <b>S.No</b>                              | <b>Details</b>   |
| [1]                                      | <b>M. R. Ram</b> , K. Sivani and K. A. Reddy, "MS-EMD based Signal Processing Method for Reduction of Motion Artifacts from PPG signals," <i>International Journal of Applied Engineering Research (IJAER)</i> vol. 13, no. 21, pp. 14969-14973, November 2018.<br><br>(Print ISSN 0973-4562; Online ISSN 0973-9769) |
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**Sri B. Jeevan**

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- [1] **Jeevan, B., & Sivani, K.** (2021). Design of 0.8 V, 22 nm DG-FinFET based efficient VLSI multiplexers. **Microelectronics Journal**, 113, 105059. (SCI, Impact factor: 1.4) (Elsevier)
- [2] **B.Jeevan, K. Sivani** "Heterogeneous Logic: a High Performance and Low Power Non-CMOS 4-1 Multiplexer", International Journal of Engineering and Advanced Technology (IJEAT), Feb 2020. ISSN: 2249 - 8958.

**Publications in Refereed Conference Proceedings**

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| [1]   | <b>B.Jeevan, K. Sivani,</b> "A Review on different logic styles to design High Performance VLSI Decoder." IEEE International Conference- ICNEWS 2018. BMS College of Engg., Bangalore, December 27th & 28th , 2018. ISSN: 978-1-5386-7949-4.  |
| [2]   | <b>B.Jeevan, Dr. K. Sivani,</b> " A New High Speed Multiplier based on Carry Look Ahead Adder and Compressor" ,VLSI Design: Circuits, Systems and Applications,Select Proceedings of ICNETS2, Lecture notes in Electrical Engineering, Springer, Volume 469, ISBN 978-981-10-7250-5, Feb,2018 |

**Articles/ Chapters published in Books**

- [1] **B.Jeevan, Dr. K. Sivani,**" A New High Speed Multiplier based on Carry Look Ahead Adder and Compressor" ,VLSI Design: Circuits, Systems and Applications,Select Proceedings of ICNETS2, Lecture notes in Electrical Engineering, Springer, Volume 469, ISBN 978-981-10-7250-5, Feb,2018

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| <b>Dr. K. Srinivas</b>                                 |  |
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| [1]  | K.Srinivas, L. Ram Gopal Reddy "A Novel Approach for comparison of heart rate variability derived from synchronously measured electrocardiogram and photoplethysmogram," IEEE-NIH conference on health care innovations and point of care technologies , Nov 6-8, 2017, Maryland , USA |
| <b>Dr. K. Srinivas</b>                                 |  |
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| [1]  | K.Srinivas, L. Ram Gopal Reddy "Quantification of error between the heart beat intervals measured from photoplethysmogram and electrocardiogram by synchronization", <i>Journal of medical engineering &amp; technology</i> , Vol. 42, No. 5, pp 389-396., 2018.                       |
| <b>Smt K.Shailaja</b>                                  |  |
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| <b>S. No</b>   | <b>Details</b>   |
| [1]  | Kotte, S., & Dabbakuti, J. K. (2020, December). Methods for removal of artifacts from EEG signal: A review. International of conference on Advances in Physics and material science: ICAPSM 2020, August-2020  |
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| [1]  | Kotte, S., & Dabbakuti, J. K., Methods for removal of artifacts from EEG signal: A review. In <i>Journal of Physics: Conference Series</i> (Vol. 1706, No. 1, p. 012093). IOP Publishing. (2020, December).  |
| [2]  | K.Shailaja "Efficient Multiplier design using adaptive hold logic to reduce aging effects", <i>International Journal of Engineering Technology Science and Research [IJETSR-2017]</i> , ISSN 2394-3386, Vol. 04, Issue 11, Pg. 1271-1291, 2017.  |
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| <b>Sri G.Raju</b>                                      |   |
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| <b>Publications in Refereed Journals</b>               |   |
| <b>S. No</b>   | <b>Details</b>  |
| [1]  | G. Raju., & K. Deepthi VHDL Implementation of FPGA Based OFDM Modem for Wireless Application, International journal&Magazine of Engineering, Technology, Management and Research ISSN: 2348 4845 (2017, December).                |
| <b>Sri B.Krishna Sundeep</b>                           |   |
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| [1]  | Bokka.Alekhyia , B.Krishna Sundeep2“Power and area efficient arithmetic and logic unit Using majority logic formulations” <i>International Journal Of Advanced Science And Technology</i> , Vol. 29, No. 4s, (2020), Pp. 757-766. |
| <b>Publications in Refereed Conference Proceedings</b> |   |
| <b>S. No</b>   | <b>Details</b>  |
| [1]  | B.Krishna Sundeep” Analysis of Vibroarthrographic signals for classification of knee disorders”ICICS2020-Lovely Professional University -Punjab   |