



Publication Details

Journal Publications: 2020-21

1. Satvik M. Kusagur, Arun Kumar G., Dr. T.C. Manjunath, "Multivariable modelling of intelligent flexible mechanical structures using smart materials with FEM, Euler-Bernoulli beam theory, state space & multi-sensordata fusion techniques", Journal of Materials today, Vol. No. 37, Issue No. 2, Page No. 354-362, June- 2020, ISSN: 2214-7853, DOI: <https://doi.org/10.1016/j.matpr.2020.05.354>. (SCOPUS).
2. Satvik M. Kusagur, Arun Kumar G., T.C.Manjunath , "Development of mathematical model for smart intelligent flexible structures using smart intelligent sensor & actuator materials using Timoshenko beam theory & its control using POF",
3. Journal of Materials today, Vol. No. 37, Issue No. 2, Page No. 648-655, June -2020, ISSN: 2214-7853, DOI: <https://doi.org/10.1016/j.matpr.2020.05.630> (SCOPUS).
4. Satvik M. Kusagur, Arun Kumar G., T.C. Manjunath, "Use of Smart Intelligent Sensor & Actuator Mechanical Materials (PVDF / PZT) in developing MIMO mathematical model of the smart structure and its use to control the active vibrations using discrete "sliding mode control theory with output samples ", Journal of Materials-today, Vol. No. 7, Issue No. 2, Page No. 1592-1602, Aug.- 2020, ISSN: 2214-7853, DOI: <https://doi.org/10.1016/j.matpr.2020.07.163>. (SCOPUS).
5. Sonal Gupta, Shilpi Patil, Chhya Dalela, Binod Kanujia, "Analysis and design of inclined fractal defected ground-based circularly polarized antenna for CA-band applications, "International Journal of Microwave and Wireless Technologies, CAMBRIDGE UNIVERSITY PRESS, England, Aug.-2020, International Journal of Microwave and Wireless Technologies, Vol. No. 13, Issue No. 4, Page No. 397 - 406, IF: 0.5, DOI: <https://doi.org/10.1017/S1759078720001142>. (WOS, SCIE).
6. Satvik M. Kusagur, Dr. Arun Kumar G., Dr. T.C. Manjunath, "Modelling of smart intelligent materials with PZT & PVDF sensors/actuators to control the active vibrations of flexible aluminum mechanical cantilever beams using proportional integral derivative (PID) techniques", Journal of Materials today, Vol. No.37, Issue No. 2, Page No. 2075-2082, Aug.-2020, ISSN: 2214-7853, DOI: <https://doi.org/10.1016/j.matpr.2020.07.507>. (SCOPUS).

7. Sonal Gupta, Shilpi Patil, Chhya Dalela, Binod Kanujia," Design of circularly polarized antenna using inclined fractal defected ground structure for S-band applications, ELECTROMAGNETICS TAYLOR & FRANCIS, USA, Vol. No. 40, Issue No. 7, Page No. 526-540, Sept.-2020, ISSN:123458333 (WoS, SCIE).
8. S.M. Kusagur, Arun Kumar G and T.C. Manjunath, "Control of smart structures using output feedback concepts, "Vidyabharati International Interdisciplinary Research Journal, Vol. No. 12, Issue No. 1, Page No. 63-66, Mar.-2021, ISSN 2319-4979 (WoS).
9. Spoorti J Jainar, Pritam Limbaji Sale and Nagaraja B. G, "VAD, feature extraction and modeling techniques for speaker recognition - A review", International Journal of Signal and Imaging Systems Engineering, Vol. No. 12, Issue No. 1/2, Page No.1-18 March-2021, DOI: 10.1504/IJSISE.2020.113552 (SCOPUS)
10. Aprna Tripathi, Shilpa Srivastava Himani Mittal, Shivaji Sinha, Vikash Yadav, "Multi-Objective ANT Lion Optimization Algorithm Based Mutant Test Case Selection for Regression Testing", Journal of Scientific and Industrial Research (JSIR), Vol. No.80, Page No. 582-592, IF: 1.056, July-2021, ISSN:0975-1084 (Online), ISSN:0022-4456 (Print), (WoS).
11. Chhaya Grover, Dr. Neelam Turk, "A Novel Fault Diagnostic System for Rolling Element Bearings using Deep Transfer learning on Bispectrum Contour Maps", Elsevier's Engineering Science and Technology, an International Journal, (In Press) ISSN: 2215-0986, IF: 4.36, Sept.- 2021 <https://doi.org/10.1016/j.jestch.2021.08.006>. (SCIE, Web of Science, SCOPUS).
12. Arun Kumar G., Spoorti J. Jainar, Shantanu Singh, Shipra Mishra, Vishesh Rai, Dr. T.C. Manjunath, "Development of a novel blind man's stick for disabled persons using inbuilt micro-controller", GEDRAG & ORGANISATIE (Netherlands), Vol. No. 33, Issue No. 4, Page No. 121-129, ISSN:0921-5077, DOI: 10.37896/GOR33.04/012. (WoS).
13. Arun kumar G, Spoorti J. Jainar, Nagaraja B.G. and T.C. Manjunath, "An overview of nano-robots for curing different types of diseases in the field of medical applications", GEDRAG & ORGANISATIE (Netherlands), Vol. No.33, Issue No. 3, Page No. 1200-1213, 2021 ISSN:0921-5077 (WoS)
14. Chhaya Grover, Dr. Neelam Turk, "Optimal Statistical Feature Subset Selection for Bearing Fault Detection and Severity Estimation Shock and Vibration, Vol. No. 2020, Page No. 18, IF:1.543, Aug.-2020, ISSN:1070-9622, DOI: <https://doi.org/10.1155/2020/5742053>. (SCIE, SCOPUS).

15. Gayatri Sakya, Chhaya Dalela, Laxman Singh, Anmol, Anuj Jain, "Machine learning based MAC Protocol Design for Pipeline Leakage Detection in Smart City Project", Journal of Discrete Mathematical Sciences and Cryptography, Vol. No. 4, Issue No.5, Page No. 1283-1292, IF: 0.77, Aug 2021, DOI: <https://doi.org/10.1080/09720529.2021.1932915>. (WOS, SCOPUS)
16. C. Shankar, S. V. Singh, R. Imam, "SIFO–VM/TIM universal biquad filter using single DVCCTA with fully CMOS realization", Analog Integrated Circuits and Signal Processing (SPRINGER NATURE), Published (online), ISSN:1573-1979, IF: 1.34, 2021, DOI: <https://doi.org/10.1007/s10470-021-01900-4>. (SCIE)
17. Rajeshwari Bhat, Mohammad Rashid Ansari, Ruqaiya Khanam, "Effect of integrated power and clock networks on combinational circuits", Vol. No. 9, Issue No. 3, Page No. 242-248, ISSN: 2089-4864, Nov. 2020, DOI: 10.11591/ijres. v9.i3. (SCOPUS)
18. Arun Kumar G., Spoorti J. Jainar, Shantanu Singh, Shipra Mishra, Vishesh Rai, T.C. Manjunath, "Development of a novel blind man's stick for disabled persons using inbuilt micro-controller", GEDRAG & ORGANISATIE (Netherlands), Vol. No. 3, Issue No. 4, Page No. 121-129, 2021, ISSN: 0921-5077, DOI: 10.37896/GOR33.04/01 (WoS).
19. Arunkumar G, Spoorti J. Jainar, Nagaraja B.G. & Dr. T.C.Manjunath, "An overview of nano-robots for curing different types of diseases in the field of medical applications", GEDRAG & ORGANISATIE (Netherlands), Vol. No.33, Issue No.3, Page No. 1200-1213, 2021 ISSN:0921-5077(WoS)

Conference Publications: 2020-21

1. Satvik M. Kusagur, Dr. Arun Kumar G., Dr. T.C.Manjunath, "Hybrid control strategies for vibration suppression of aerospace structures", International Conference on Recent Trends in Electrical, Electronics, Telecommunications, Instrumentation, Medical Electronics Engg. & Physics, (IC RTEETIMP-2020), DSCE, Bangalore, Paper id 180, Abstract No. 180, 7-9 (SCOPUS).
2. Sampath Kumar V, Arti Noor, G M Patil," Estimation of Power and Delay Parameters for Reconfigurable Decoders in SRAM by Selective Precharge Schemes", IEEE 5th International Conference on Computing Communication and Automation (ICCCA), 2020, Page No. 369-373 DOI: 10.1109/ICCCA49541.2020.9250882. (SCOPUS).
3. Anuranjan Kansal, Charu Pathak, Varun Saxena, "Unequal Amplitudes of Harmonic Terms in Particle Dynamics inside Paul Trap", 2020 IEEE International Conference for

Innovation in Technology (INOCON), DOI:
<https://doi.org/10.1109/INOCON50539.2020.9298393> (SCOPUS).

4. Anuranjan Kansal, Charu Pathak, Varun Saxena, “Dynamics of Charged Particles in Dual Frequency Paul trap due to Additional External Forces”, 2021 6th International Conference for Convergence in Technology(I2CT), <https://doi.org/10.1109/I2CT51068.2021.9418223>, (SCOPUS).
5. Gayatri Sakya, Shubhanshu Singh, Shreya Mishra, Shashank Mani Tiwari,” Intelligent Invigilation using Video Surveillance”, Computer Communication, Networking and IoT, Vol. No. 197, page No. 401-411| ISSN 978-981-16-0980-0 (SCOPUS).
6. Suvarna N Aradhya, Dr. Rashmi Priya, “Research Summary of Load Balancing and Interoperability in distributed IoT”, (selected for International Conference in October) (SCOPUS).
7. C. Shankar, S. V. Singh, V. Tikkiwal,” High input impedance VM biquad filter using single active element”, 6th International Conference on Signal Processing and Communication (ICSC 2020), ISSN 978-1-7281-5494-7 (SCOPUS).
8. Sanjiba Kumar Bisoyi, Sampath Kumar, “Control techniques analysis to find effectiveness of suppressing output voltage total harmonic distortion for fuzzy based single-phase voltage source inverter”, International Conference" on Intelligent Control and Computation for Smart Energy and Mechatronic System (ICCSEMS-2020) at JSS Academy of Technical Education, Noida, CSI Publisher (In Press).
9. Sangeeta Mangesh, Chhaya Grover, “Text Segmentation with contour hierarchy and visual descriptors for smart city”, International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems (ICCSEMS-2020) 25th- 26th September at JSSATE NOIDA (In Press).
10. Satvik M. Kusagur, Dr. Arun Kumar G., T.C.Manjunath, “Efficient control algorithms for vibration suppression of different types of structures using multiple sensing techniques – A broad overview”, International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems, Organized by JSS Academy of Technical Education, Noida, UP, Sep. 2020, 25-26 Sep. 2020 (In Press).
11. A. Shakya, D. Pratap, S. Kashyap, C. Shankar, “Solar panel based universal adapter, ICCSEMS-2020, 25-26th Sept.2020, at JSSATE NOIDA (In Press).
12. A. Mishra, B. Verma, D.P. Sakya, C. Shankar, “A research paper on community Radio”, ICCSEMS-2020, 25-26th Sept.2020, at JSSATE NOIDA (In Press).

13. Monika Malik, Dr Alok Joshi, “Performance of sensor node with various fading environment”, ICCSEMS-2020, 25-26th Sept.2020, at JSSATE NOIDA (In Press).
14. Monika Malik, Dr Gayatri Sakya, Dr Alok Joshi, “Enhancement of LEACH protocol for Real time Applications”, International Conference on contemporary computing (IC3) ACM ICPS, ISBN Number: 978-1-4503-8920-4, (SCOPUS).

Book Chapters/Books: 2020-21

1. Dr. Arun Kumar G, Dr. Nagaraja B G, Dr. Spoorti J Jainar, Dr. Purohit Shrinivasacharya “8051 Microcontroller” Gouthami Publications, Page No. 271, ISBN: 20209789354199073.
2. Nagaraja B. G, Rajesh Maharudra Patil, Spoorti J Jainar, Kashiraya Ramanagoud Biradar “Digital Signal Processing” Gouthami Publications, Page No. 166, 2020, ISBN/ISSN number 978-93-5426-338-5.
3. Satvik M. Kusagur, Arun Kumar G., T.C. Manjunath, “Emerging Trends in Engineering and Technology – ETET 2020” Magnum Book Publishers”, New Delhi-110053, India, Page No. 240-260, July 2020, ISBN/ISSN number 978-81-945125-7-8.
4. Satvik M. Kusagur, Arun Kumar G., T.C. Manjunath, “Efficient Control Algorithms for Vibration Suppression of Different Types of Structures Using Multiple Sensing Techniques” Anvi Book Publishers, New Delhi-110002, India, Page No. 161-177, July 2020, ISBN/ISSN number 978-81-941-281-9-9.
5. Gayatri Sakya, Shubhanshu Singh, Shreya Mishra, Shashank Mani Tiwari, “Intelligent invigilation using video surveillance, Computer Communication, Networking and IoT”, Lecture Notes in Networks and Systems, vol. 197, Page No. 401-411, ISBN/ISSN number 978-981-16-0980-0, DOI: https://doi.org/10.1007/978-981-16-0980-0_37 (SCOPUS).
6. Sangeeta Mangesh, Vishesh Saxena, Utkarsh Tripathi, and Yamini Gupta,” Industry 4.0, AI, and Data Science Research Trends and Challenges”, CRC Press, Chapter-7, ISBN/ISSN number 9781003097181 (SCOPUS).

Journal Publications: 2019-20

1. Joshi Shubhangi Milind, Dr. T.C. Manjunath, Dr. Arun Kumar G,” Design & development of flexible robotic manipulators”, International Journal of Management, Technology & Engineering, Vol. No.9, Issue No.6, Page No. 777-783, Jun.-2019, ISSN:.2249-7455, DOI:16.10089.IJMTE.2019.V9I6.19.28562 (SCOPUS).

2. B.P. Mishra, Laxman Singh, Spoorti J. Jainar, Nagaraja B., "GA Research of Noise Estimation and Removal Techniques for Speech Signal", International Journal of Recent Technology and Engineering, Vol. No. 8, Issue No. 2S3, Page No. 718-721, July-2019, ISSN: 2277-3878 (SCOPUS).
3. Dakka Obulesu, Arun Kumar G, B.P. Mishra, Spoorti J, T.C.Manjunath," Recent Advances in the Design & Development of A Drone Used for Bio-Medical Engineering Applications: Medi-Sky", International Journal of Innovative Technology and Exploring Engineering, Vol. No.8, Issue No. 9S, Page No. 796-800, July-2019, ISSN: 2278-3075 (SCOPUS).
4. Joshi Shubhangi Milind, Dr. Arun Kumar G, Dr. T. C. Manjunath," PID Control of smart flexible robotic manipulators using set-points", Journal of Science, Technology and Development, Vol. No.8, Issue No. 12, Page No. 878 – 881, Dec.-2019, ISSN: 0950-0707, DOI:19.18001.STD.2019.V8I12.19.32997 .
5. Joshi Shubhangi Milind, Dr. Arun Kumar G, Dr. T.C.Manjunath," Double link (2-link) flexible robotic manipulator (2-DOF) control using proportional – integral – derivative concepts in the work space", The International Journal of Analytical & Experimental Modal Analysis, Vol. No. 13, Issue No. 12, Page No: 1364-1367, Dec.-2019, ISSN: 0731-6755, DOI:19.18001.AJCT.2019.V12I12.19.11644.
6. Shubhangi Milind Joshi, Dr. Arun Kumar G., Dr. T.C.Manjunath, "Different control strategies to control one and two link flexible robotic manipulators for aerospace applications", Journal of Interdisciplinary Cycle Research, Vol. No. 11, Issue No. 12, Page No.: 1956-1962, Dec.-2019, ISSN:0022-1945, DOI:18.0002.JICR.2019.V11I12.008301.3168100.
7. Joshi Shubhangi Milind, Dr. Arun Kumar G., Dr. T.C. Manjunath," Design of Controllers using Fast Output Sampling Feedback –FOS for 1 & 2-link FMs", International Journal of Advanced Science and Technology, Vol. No.28, Issue No. 7, Page No. 124-135, July-2019, ISSN: 2207-6360 (SCOPUS).
8. Neeta Pandey, Rajeshwari Pandey, Rashika Anurag and Ritu Vijay," A Class of Differentiator –based Multifunction Biquad Filters Using OTR As Advance in Electrical and Electronic Engineering Vol. No.18, Issue No.1, Page No. 31-40, March-2020, DOI: <http://dx.doi.org/10.15598/aece.v18i1.33630.92> (SCOPUS).
9. Chhaya Grover, Dr. Neelam Turk," Rolling Element Bearing Fault Diagnosis using Empirical Mode Decomposition and Hjorth Parameters ", Procedia, Computer Science,

Vol. No.167, Page No. 1484-1494, 2020 ISSN: 1877-0509, DOI: <https://doi.org/10.1016/j.procs.2020.03.3592.09>, (SCOPUS).

10. Chhaya Grover, Neelam Turk,” Rolling Element Bearing Fault detection using Statistical Features and Ensemble classifiers”, International Journal of Engineering and Advanced Technology, Vol. No. 9, Issue No.3, Page No.350-358, Feb 2020, ISSN: 2249-8958, DOI: <https://doi.org/10.35940/ijeat.C4836.0293200.11>, (SCOPUS).
11. Chhaya Grover, Dr. Neelam Turk,” Vibration Signature Analysis using Rough Sets and Analogy-Based Reasoning Classification”, International Journal of Recent Technology and Engineering, Vol.No.8, Issue No.6, Page No. 3332-3338, Mar. -2020, ISSN: 2277-3878, DOI: <https://doi.org/10.35940/ijrte.F8610.0386200.17>, (SCOPUS).
12. Gayatri Sakya, Vidushi Sharma,” ADCMC-MAC: Energy efficient adaptive MAC protocol for mission critical applications in WSN”, Sustainable Computing: Informatics and Systems, Vol. No.23, Page No. 21-28, Sept. 2019, DOI: <https://doi.org/10.1016/j.suscom.2019.05.0014.028>.
13. Gayatri Sakya, Vidushi Sharma, “Performance evaluation of ADCMC-MAC mission critical protocol for wireless sensor networks”, Journal of Discrete Mathematical Sciences and Cryptography, Vol.No.22, Issue No.8, Page NO. 1407-1422, Jan 2020 DOI: <https://doi.org/10.1080/09720529.2019.16924480.77>, (WOS, SCOPUS).
14. Vishal Kumar, Gayatri Sakya & Chandra Shankar,” WSN and IoT based smart city model using the MQTT protocol”, Journal of Discrete Mathematical Sciences and Cryptography, Vol. No. 22, Issue No.8, Page No. 1423-1434, Jan. 2020, ISSN:0972-052, DOI: <https://doi.org/10.1080/09720529.2019.16924490.77>, (WOS, SCOPUS).
15. Sangeeta Mangesh, P.K. Chopra, K. K. Saini,” Analysis of Extended Pile Gate Trapezoidal Bulk FinFET”, IETE Journal of Research -Taylor & Francis, Page No. 1-7, Mar.2019, <https://doi.org/10.1080/03772063.2019.1579678> (SCIE).
16. Sangeeta Mangesh, P.K. Chopra, K.K. Saini,” Stacked Gate FinFET with Gate Extension for Improved Gate Control Russian Microelectronics”, Vol. No. 47, Issue No. 6, Page No. 443–448, Nov. - 2018 (SCI, SCOPUS).
17. Sangeeta Mangesh, P.K. Chopra, K. K. Saini,” A Trapezoidal Cross-Section Stacked Gate Fin FET with Gate Extension for Improved Gate Control”, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. No. 10, Issue No. 1, Page No. 189-194, Jan.- 2019 (WoS).
18. Ruchi Paliwal, Ankit Gupta, “Design of Reconfigurable UWB Microstrip Patch Antenna along with Defected Ground Structure (DGS)”, International Research Journal of

Engineering and Technology (IRJET), Vol. No. 7, Issue No. 6, Page No. 6635-6639, June-2020, IF:7.529, ISSN: 2395-0056. (SCOPUS)

Conference Publications: 2019-20

1. Chhaya Grover, Dr. Neelam Turk, “Rolling Element Bearing Fault Diagnosis using Empirical Mode Decomposition and Hjorth Parameters”, International Conference on Computational Intelligence and Data Science (ICCIDS 2019), Sept.-2019, ISSN: 1484-1494 (SCOPUS).
2. Sampath Kumar V, Arti Noor, G M Patil, “Estimation of power and delay dependent parameters in reconfigurable decoders for selection of SRAM by means of configurable selective pre-charge schemes”, International Conference on Contemporary Computing and Applications, Feb.-2020, Dr. A.P.J. Abdul Kalam Technical University, Lucknow. IEEE Proceedings, Paper ID: 298, (SCOPUS).
3. C. Shankar, S. V. Singh, Gayatri Sakya, “DVCCTA based High Input Impedance VIVO Biquad Filter, 2019 International Conference on Computing, Power and Communication Technologies (GUCON), Page No. 350-354, ISSN 19259885 (SCOPUS).
4. C. Shankar, S. V. Singh, G.Sakya, “DVCCTA based high input impedance VIVO Biquad filter”, International Conference on Computing, Power and Communication Technologies (GUCON), 27-28th Sept. 2019, Page No. 350-354, ISSN 978-1-7281-0017-3. (SCOPUS).
5. Deependra Sharma, Zainul Abdin Jaffery, Nadeem Ahmad, “Categorical vehicle classification using Deep Neural Networks”, Vol. No. 2019, Page No. 1-6 ISSN 19316634, DOI: 10.1109/ICPECA47973.2019.8975613, (SCOPUS).
6. Nadeem Ahmad, Zainul Abdin Jaffery, Deependra Sharma, “Low Bitrate Image Coding based on Dual Tree Complex Wavelet Transform”, Vol. No. 2019, Page No. 7-12, ISSN 19316700, DOI: 10.1109/ICPECA47973.2019.8975652 (SCOPUS).

Book Chapters/Books: 2019-20

1. Gayatri Sakya, Pradeep Kumar Singh, “Medium Access control protocols for mission critical applications in wireless sensor networks”, Handbook of Wireless Sensor Networks: Issues and Challenges in Current Scenario's, https://doi.org/10.1007/978-3-030-40305-8_5, Vol. No.1132, Page No. 67-86, ISBN/ISSN number 978-3-030-40305-8, https://doi.org/10.1007/978-3-030-40305-8_5 (SCOPUS).

2. Sangeeta Mangesh, P. K. Chopra, K. K. Saini, Amit Saini, “Exploring Low Power Design Through Performance Analysis of FinFET for Fin Shape Variations”, *Advances in Intelligent Systems and Computing*, 757. Page No. 513-524. ISSN 2194-5357, 757, ISSN 2194-5357 (SCOPUS)

Journal Publications: 2018-19

1. Arun Kumar K.M, Dr. Arun Kumar G, Dr. T.C. Manjunath, ” Bearing fault diagnosis in IM using perk’s vector approach and J-48 based on vibration signal”, *Journal of Advanced Research in Dynamical & Control Systems*, Vol. No.10, Special Issue No.12, Sept.- 2018, Page No. 222-233 (SCOPUS).
2. Arun Kumar K.M, Dr. Arun Kumar G, Dr. T.C. Manjunath,” Stator Winding Fault Diagnosis of IM by Park’s Vector Approach and RF based on vibration signal”, *Journal of Advanced Research in Dynamical and Control Systems*, Vol. No.10, Issue No.12, Page No.: 234-244, Sept.-2018 (SCOPUS).
3. Bimal Raj Dutta, Binod Kumar Kanaujia, Chhaya Dalela,” An Elliptical Band-Pass Three-Dimensional Frequency Selective Surface with Multiple Transmission Zeros”, *Indonesian Journal of Electrical Engineering and Computer Science*, Vol. No. 12, Issue No. 3, Page No. 1020-1029, 2018, IF:1.21 (SCOPUS).
4. C. Shankar, S.V. Singh,” High input impedance single input five output trans-admittance mode biquad filter using DVCCTA”, *Indian Journal of Pure and Applied Physics (PUBLISHERS: CSIR-NISCAIR)*, Vol. No. 57, Page No. 52-62, Jan 2019, IF:0.923, ISSN: 20190019-5596S (SCIE).
5. S.V. Singh, C. Shankar,” A new TIM biquad filter employing single DVCCTA “, *Journal of Electrical Systems (Publisher ESR groups)*, Vol. No. 15, Issue No.2, Page No. 249-263, Jun 2019, IF:0.87, ISSN: 1112-5209 (WoS).
6. Rajeshwari Bhat, Ruqaiyakhana, m, “Integrated Power and Clock Distribution Circuits in A Wired And Wireless Clock Network”, *International Journal of Innovative Technology and Exploring Engineering*, Vol. No. 8, Issue No. 7, Page No. 154-157, May -2019, ISSN: 2278-3075, DOI: <https://doi.org/10.35940/ijitee>. (SCOPUS).
7. Spoorti J Jainar, Pritam Limbaji Sale and Nagaraja B. G,“Language mismatch speaker identification using CQCC Features”, *Journal of Advanced Research in Dynamical and Control Systems*, Vol. No.10, Issue No. 12 , Page No.260-264, 2019 ,ISSN: 1943-023X, (SCOPUS).

8. Pritam Limbaji Sale, Spoorti J Jainar and Nagaraja B.,” GA comparison of features for multilingual speaker identification - A review and some experimental results” International Journal of Engineering & Technology”, Vol. No. 7, Issue No. 4S2, Page No. 299-304, 2019 ISSN: 2277-3878 (SCOPUS).
9. Pritam Limbaji Sale, Spoorti J Jainar and NagarajaB,” G Language mismatch speaker identification using cepstral and Pitch features”, Journal of Advanced Research in Dynamical and Control Systems, Vol. No. 10, Special Issue No.14 , Page No. 801-806, 2019 , ISSN: 1943-023X, (SCOPUS).
10. Rajeshwari Bhat, Ruqaiya khanam, “Integrated power and clock distribution circuits in a wired and wireless clock network”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. No. 8, Issue No. 7, May 2019, ISSN: 2278-3075, DOI: <https://doi.org/10.35940/ijitee>.

Conference Publications: 2018-19

1. Chhaya Dalela, "NB-IoT -Next Generation Wireless Evolution”, International Conference on New Trends in Engineering and Technology, ICNTET, September 2018, Tamilnadu.
2. Chhaya Dalela, Ved Prakash, “Performance evaluation of optical networks using OPTISIM Software”, International Conference on Advances in Computing, Communication Control and Networking (ICACCCN 2018), Galgotia University, Greater Noida, october 2018 DOI: 10.1109/ICACCCN43907.2018.
3. Chhaya Dalela, Adarsh Goyal, “Disease Detection with the help of Modified Clinical Decision Support System (CDSS)”, International Conference on Startup ventures: Technology Developments and Future Strategies (SV-TDFS) october 2018, MIT Jaipur.
4. Sanjeev Yadav, Ruchi Paliwal, Rajesh, Kumar Singh “Ultrathin Square Metamaterial Absorber for Dual Band Applications”, 2nd IEEE, Indian conference on antenna and wave propagation 2019.
5. C. Shankar, S. V. Singh, Raza Imam; Vinay A. Tikkiwal, “DVCCCTA based high input impedance VM biquad filter by the use of minimum number of active block and all grounded passive elements”, 6th International Conference on Signal Processing and Integrated Networks (SPIN), Amity University Noida, pp.1106-1111, 2019, ISSN 978-1-7281-1381-4, (SCI).

Book Chapters/Books: 2018-19

1. C. Shankar, S. V. Singh, R.Tomar, V.Tikkiwal, "SITO Type Voltage Mode Biquad Filter Based on Single VDTA, Advances in Signal Processing and Communication a Select Proceedings of ICSC 2018 a Lecture Notes in Electrical engineering", Page No.526, Springer Nature Singapur Pte .Ltd, ISBN/ISSN number 978-981-13-2552-6 (SCOPUS).

Journal Publications: 2017-18

1. Gayatri Sakya and Vidushi Sharma," MAC Protocol with Regression based Dynamic Duty Cycle Feature for Mission Critical Applications in WSN", International Journal of Advanced Computer Science and Applications (IJACSA), Vol. No. 8, Issue No. 6, Page No.198-206 IF: 0.66 (WoS).
2. C. Shankar, S.V. Singh," Fully Integrated Multifunction Trans-impedance mode Biquad Filter", Journal of Engineering Science and Technology, Taylor University, Vol. No.13, Issue No.1, Page No. 280-294, IF: 0.97, ISSN:1823-4690 (WoS).
3. Ruchi Paliwal, Rajesh Kumar Singh, Shibani Kishen Koul³, "An Experimental Investigation of Reconfigurable UWB Modified Octagonal Microstrip Monopole Patch Antenna with Switchable and Tunable Band-Notched Characteristic", Advances in Science, Technology and Engineering Systems Journal, Vol. No.3, Issue No. 5, Page No. 207-215 Jun.-2018, IF: 0.655, DOI: 10.25046/aj030525(SCOPUS).

Conference Publications: 2017-18

1. 1. C. Shankar, S. V. Singh, R.Tomar, V.Tikkiwal, "SITO Type Voltage Mode Biquad Filter Based on Single VDTA", Advances in Signal Processing and Communication (ICSC-2018), Springer Conference, Page. No. 261-270, 2018 ISSN 10: 9811325529 (SCOPUS).
2. Zainul Abidin Jaffery, Deependra Sharma, Nadeem Ahmad, "Detection of Missing Nuts & Bolts on Rail Fishplate", IEEE International Conference on Multimedia, Signal Processing and Communication Technologies, Page No. 36-40, Nov.-2017, ISSN 1778929, DOI: 10.1109/MSPCT.2017.8363969 (SCOPUS)
3. Zainul Abidin Jaffery, Nadeem Ahmad, Deependra Sharma, "Performance comparison of segmentation techniques for detection of defect in rail head surface images", IEEE International Conference on Multimedia, Signal Processing and Communication Technologies, Page No. 132-136, Nov.-2017, ISSN 17789306, DOI 10.1109/MSPCT.2017.8363990 (SCOPUS).

4. Monika Malik, Nishay Raj Maurya, “Data Aggregation Technique using Genetic Algorithm”, “Emerging Trends and Innovations in Electronics and Communication Engineering” held on 26th and 27th August 2017 at BGSB University, Rajouri, J&K, Vol No. 5, Special Issue No.01, Jan.-2018, 2348-4470, DOI:10.21090/IJAERD.ETIECE030 (UGC approved).

Book Chapters/Books: 2017-18

1. Vidushi Sharma, Gayatri Sakya, Anuradha Pughat, “Medium Access control protocols in wireless sensor networks, Energy efficient wireless sensor networks”, Page No. 47-62, ISBN/ISSN number 9.78132E+12, (SCOPUS).

Journal Publications: 2016-17

1. Chhaya Dalela, Sparshi Jain, Swati Ghansela, Aakriti Kumari,” A Survey of Routing Protocols for MANETs”, Journal of Optical Communication, Vol. No. 2, Issue NO. 3, Jan.-2016.
2. Prasada Kumari, K.S.Sampath Kumar, Shivaji Sinha, “VLSI systems energy management from a software perspective – A literature survey”, Journal of Perspectives in Science, Published by Elsevier GmbH, Vol. No. 8, Page No. 611-613,Sept.-2016, DOI: <https://doi.org/10.1016/j.pisc.2016.06.035> (SCOPUS).
4. Suman Kumari, Stuti Gupta, Neeta Pandey, Rajeshwari Pandey and Rashika Anurag,” LC-ladder filter systematic implementation by OTRA”, Engineering Science and Technology an International Journal, Vol. No. 19, Issue No. 4, Page No. 1808-1814, Dec.-2016, DOI: <https://doi.org/10.1016/j.jestch.2016.10.003>, IF: 4.3(SCIE).
5. C. Shankar, S.V. Singh,” Electronically tunable current mode biquad filter based on single VDTA and grounded passive elements”, International Journal of Engineering and Technology (IJET), Vol. No. 9, Issue No.2, Page No. 271-279, May-2017, ISSN: 0975-4024, DOI: 10.21817/ijet/2017/v9i1/170902302.
6. Gayatri Sakya, Ankit Gautam,” Smart Agriculture System using Adhoc Networking among Firebird V Bots”, International Journal of Innovations & Advancement in Computer Science (IJIACS), Vol. No. 5, Issue No.10, IF: 0.396, Oct.-2016, ISSN 2347 – 8616.
7. Gayatri Sakya, Vidushi Sharma, Trisha Sawhney,” An Improved MAC Model for Critical Applications in Wireless Sensor Networks”, International Journal of Engineering

Technology, Management and Applied Sciences, Vol. No. 4, Issue No. 6, Page No. 20-24, Jun.-2016, ISSN 2349-4476.

8. Nishtha Singh and Sangeeta Mangesh,” Implementation of UART with CALBO “, STM Journal of Microelectronics and Solid-State Devices, Vol. No. 2, Issue No. 1, Page No. 6-12, 2015, ISSN: 2455-3336.
9. Gargi Kaushik, Sangeeta Mangesh,” Test Pattern Generator for Built-in Self-test “, STM Journal of Microelectronics and Solid-State Devices, Vol. No. 2, Issue No.1, Page No. 1-5, 2015, ISSN: 2455-3336, DOI: <https://doi.org/10.37591/jomsd.v2i1.5224>.
10. Vikas Upadhyaya, Deependra Sharma, “Relative Object Tracking using Background Features”, International Journal of Imaging and Robotics, Vol. No. 16, Issue No. 4, Page No.107-124, IF: 1.3, 2016, ISSN: 2231525X4642 (SCOPUS).

Conference Publications: 2016-17

1. Chhaya Dalela, MVSN Prasad, Rahul Namawat, “Experimental Investigation at 2300MHz With AWAS Electromagnetic Code”, IEEE 1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES) 2016, DTU, New Delhi, (SCOPUS).
2. N. Vaish and S. Kumar V, “Low power technique in domino logic circuit," 4th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO) (Trends and Future Directions) 2015, Page No. 1-5, DOI: 10.1109/ICRITO.2015.7359341 (SCOPUS).
3. Ruchi Paliwal, Rajesh Kumar Singh, Shibhan Kishen Koul, “Reconfigurable UWB Monopole Antenna with Switchable Frequency Notched Bands”, IEEE, Applied Electromagnetics Conference (AEMC-2017), DOI:10.1109/AEMC.2017.8325729, ISSN: 17667866 (SCOPUS).
4. Minakshi, Abha Sharma Sanjeev Yadav. Ruchi Paliwal, “A Novel Reconfigurable Microstrip Patch Antenna for Triple Band Wireless Applications”, IEEE, Applied Electromagnetics Conference (AEMC-2017), ISSN: 17667866, DOI:10.1109/AEMC.2017.8325695(SCOPUS).
5. C. Shankar, S. V. Singh, R. Sharma; R. S. Tomar, A. K. Verma, “Three Input Single Output Current mode Biquad Filter using Single VDTA”, International Conference on Signal Processing and Communication (ICSC-2016), Vol No. Page No. 386-391,2016, ISSN 978-1-5090-2684-5, (SCOPUS).

Book Chapters/Books: 2016-17

Nil

Journal Publications: 2015-16

1. Neha Vaish, Sampath Kumar V,” Energy efficient and high-speed domino logic circuits” International Journal of Engineering Research and Applications, Vol. No. 5, Issue No. 4, Page No. 36-39, April- 2015, ISSN: 2248-9622.
2. Kshitiz Singh, Manish Mishra and Surekha Bhangari, "Air Monitoring System for Gas detection and Alarming”, International Journal of Research & Innovation in Computer Engineering. Vol. No. 1, Issue No. 5, May -2015, ISSN: 2249 – 6580.
3. Sampath Kumar V, Nayan Kumar Tiwari, "Automatic Multimode Smart Charger with Power Supply Control to Ensure Uninterrupted Power backup", International Journal of Electronics & Communication, IIJEC, Vol. No. 3, Issue No. 7, July-2015, ISSN 2321-5984.
4. Mr. GaneshaH.S. Dr. Rekha Bhandarkar, Ms. Vijayalatha Devadiga,” A 8-Bit Hybrid Architecture Current-Steering DAC “, International Research Journal of Engineering and Technology (IRJET), Vol. No. 02, Issue No. No. 04, Page No. 2010-2014, July-2015.
5. Lalita Gupta, Sangeeta Mangesh,” Comparison of Conditional Techniques for Implicit And Explicit Pulsed-Triggered Flip-Flops In Terms Of Power And Delay”, International Journal of Advanced Technology in Engineering and Science (IJATES), Vol. No. 03, Issue No. 8, Page No. 10-18, Aug.- 2015, ISSN No: 2348-7550.
6. Rashika Anurag, Neeta Pandey, Rajeshwari Pandey and Ritu Vijay, “OTRA Based Precision Rectifier”, i-manager Journal of Electronics Engineering, Vol. No. 6, Issue No.1, IF: 1.13, Nov. - 2015, DOI: <https://doi.org/10.26634/jele.6.1.3682>.
7. Devyani Baliyan, Sangeeta Mangesh, Sampath Kumar V.,”Design of Low Voltage Low Dropout Regulator”, International Journal & Magazine of Engineering, Technology Management and Research, Vol. No. 2, Issue No. 12, Dec. -2015 ,ISSN : 2348-4845.
8. Rajeshwari Pandey, Neeta Pandey, Romita Mullick ,Sarjana ,Yadav and Rashika Anurag, "All Pass Network Based MSO using OTRA", Advances in Electronics, Vol. No. 2015, Page No. 7, IF: 0.59, Jan. -2015, DOI: <http://doi.org/10.1155/2015/382360>.
9. Rashika Anurag, Neeta Pandey, Chandra Rohan and Rajeshwari Pandey,”Voltage Mode Second Order Notch/ All – Pass Filter Realization Using OTRA”, i-manager Journal of Electronics Engineering, Vol. No.6, Page No.22, IF: 1.13, Feb.-2016, DOI: <https://doi.org/10.26634/jele.6.2.3763>.

10. Ranjeeta Verma, Garima Saini, Chhaya Dalela , "Experimental Analysis of Cellular Outdoor Propagation at 1800 MHz over Dense Urban Regions of Ghaziabad", International Journal of Engineering and Technology (IJET), Vol. No. 8, Issue No. 1, Page No. 396-403, IF: 0.172, Mar. – 2016, ISSN: 0975-4024 (SCOPUS).
11. Akshay Kumar Kansal, Asst. Prof. Gayatri Sakya, "Low Power and Fast Transient High Swing CMOS Telescopic Operational Amplifier." Int. Journal of Engineering Research and Applications, Vol. No. 5, Issue No. 12, Page No. 05-10, Dec.- 2015, ISSN: 2248-9622.
12. C. Shankar, S.V. Singh, "Single Active Element Based Three Input Single output Trans-admittance mode Biquad Universal Filter", International Journal of Engineering and Technology (IJET), Vol. No. 8, Issue No. 4, Page No. 1671-1678, Sept. -2016, ISSN:0975-4024, DOI: 10.21817/ijet/2016/v8i4/160804401 (SCOPUS).
13. C. Shankar, S.V. Singh, "Single VDTA Based Multifunction Trans-admittance mode Biquad Filter", International Journal of Engineering and Technology (IJET), Vol. No. 7, Issue No. 6, Page No. 2180-2188, Jan. -2016, ISSN: 0975-4024 (SCOPUS).
14. C. Shankar, S.V. Singh, "A New Trans-Admittance Mode Biquad Filter using MO-VDTA", WSEAS Transactions on Circuits and Systems, Vol. No. 14, Page No. 8-18, Jan.-2015, 2224-266X (SCOPUS).
15. Deependra Sharma, Shafali Jaiswal, Shailesh Chaurasia, Vidushi Chaudhary, "Anomalous Speed Detection in Pedestrian Zone", International Journal for Scientific Research & Development, Vol. No. 3, Issue No.3, Page No. 349-354, Jun.-2015, ISSN: 23210613.
16. Shubhanshu Pandey, Dharmendra Brahm, Deependra Sharma, "Depth Estimation in Image Processing", International Journal for Scientific Research & Development, Vol. No. 3, Issue No. 3, Page No. 2585-2587, Jun.-2015, ISSN: 23210613.
17. Deependra Sharma, Shafali Jaiswal, Shailesh Chaurasia, Vidushi Chaudhary, "Review Paper on Object Tracking", International Journal for Scientific Research & Development, Vol. No. 3, Issue No. 2, Page No. 2342-2349, May-2015, ISSN: 23210613.

Conference Publications: 2015-16

1. Deepa, and Sampath Kumar, "Analysis of energy efficient PTL based full adders using different nanometer technologies", 2nd International Conference on Electronics and

- Communication Systems (ICECS)-2015, IEEE Proceedings, Page No. 310-315, 2015, DOI: 10.1109/ECS.2015.7124914 (SCOPUS).
2. Deepa, and Sampath Kumar, "Analysis of Low Power 1-bit Adder Cells Using Different XOR-XNOR Gates", IEEE International Conference on Computational Intelligence & Communication Technology, 2015, DOI:10.1109/CICT.2015.21. (SCOPUS).
 3. Mehfuz S., Urooj S., Sinha S, "Wireless Body Area Networks-: A Review with Intelligent Sensor Network-based Emerging Technology", Information Systems Design and Intelligent Applications, Advances in Intelligent Systems and Computing 339, Vol. No. 339, Jan 2015, DOI:10.1007/978-81-322-2250-7_81 (SCOPUS).
 4. C. Shankar, S. V. Singh, "A low voltage operable VDTA based biquad filter realizing band pass and high pass filtering functions in trans-admittance-mode", International Conference on Computing, Communication & Automation (ICCCA-2015), Page No.1288-1293, 15-16 May 2015, ISSN 978-1-4799-8889-1(SCI).

Book Chapters/Books: 2015-16

1. Shivaji Sinha, "Wireless Body Area Networks: A Review with Intelligent Sensor Network-Based Emerging Technology", Information Systems Design and Intelligent Applications; Advances in Intelligent Systems and Computing, Page. No. 813-821, ISBN/ISSN number 978-81-322-2249-1, DOI:10.1007/978-81-322-2250-7, (SCOPUS).
2. Sampath Kumar V, "8051 Microcontroller & Embedded System", Page No. 411, SSN: ISBN: 9788189757120, Publisher: S. K. Kataria & Sons.
3. Sampath Kumar V, "8051 Microcontroller", Page No. 456, SSN: ISBN: 9789350141281, Publisher: S. K. Kataria & Sons.
4. Arti Noor, Sampath Kumar V, Abhinav Vishnoi, "Design of Reconfigurable Decoder for SRAM: Schematic and layout design of 5:32 bit reconfigurable decoder", Page No. 256, SSN: ISBN-10: 3659114162, LAP LAMBERT Academic Publishing.
5. Suvarna Aradhya, Dr Vineeta Khemchandani, "Programming Data Structures using 'C'," Page No. 250, ASIN: B08VGZMYXW, Amazon Kindle Direct Publishing; Published on Jan 30, 2021.