

## **Journal Publications**

### **International/National Journals**

**Aug 2022 - till date**

1. Gayitri H. M. Murad Q. A. Al-Gunaid, Shashikala B. S, Khaled Alkanad,Nabil Al-Zaqri, Ahmed Bashaala, and Fares H. Al-Ostoot," Characterization of Opto-Electrical, Electrochemical and Mechanical Behaviors of Flexible PVA/(PANI+La<sub>2</sub>CuO<sub>4</sub>)/LiClO<sub>4</sub>-PC Polymer Blend Electrolyte Films", Macromolecular Research, Accepted April 19,2022,30,00(2022),IF 2.27, doi:10.1007/s13233-022-0070-4, pISSN 1598-5032 eISSN 2092-7673 ,pp.1-10.
2. Gayitri H. M. Suhaas Adhikari, Smart Robot for restaurant Food Delivery *Mathematical Statistician and Engineering Applications*, Vol. 71 No. 4 (2022) pp.2747-2753
3. Gayitri H. M. Kumar J R, Murad Al-Gunaid, Synthesis and characterization of PVA/ZnWMoO<sub>7</sub> nanocomposites for opto electronics and super capacitor applications", Polymer Bulletin , (2022), IF: 2.87 DOI : [10.1007/s00289-022-04458-x](https://doi.org/10.1007/s00289-022-04458-x)
4. Gayitri H. M. Xavior fernandis, srikant, Ujwal naik, AI Based Advanced Navigation Assistant For The Visually Impaired , *Mathematical Statistician and Engineering Applications*, Vol. 71 No. 4 (2022) pp. 2754-2764
5. Gayitri H. M, Murad Q. A. Al-Gunaid, Investigation on opto-Electrical, structural and electrochemical performance of PVA/ZnBiMoO<sub>7</sub> hybrid nanocomposites", Polymer Bulletin (1-22), 2022 (Springer) IF: 2.87, <https://doi.org/10.1007/s00289-021-04056-3>
6. Gayitri H. M. Harshitha C A, Hand Guesture recognition and Voice Conversion for Speech Impaired , *Mathematical Statistician and Engineering Applications*, Vol, 71, 4, 2022 pp. 2739-2746
7. Shashidhar R,B. N. Arunakumari, A. S. Manjunath. "Computer vision and the IoT-Based Intelligent Road Lane Detection System" Mathematical problems in Engineering, Vol, 2022, Article ID4755113, 8 pages, 2022. <https://doi.org/10.1155/2022/4755113>
8. Anitha S. Prasad, M.N. Jayaram, N. Kumara Swamy, B.S. Madhukar,Graphene nano-platelets polyvinyl alcohol nanocomposite electrode for real time ECG signal acquisition, Biosensors and Bioelectronics: X,Volume 12,2022,100255,ISSN 2590-1370, <https://doi.org/10.1016/j.biosx.2022.100255>.
9. M. N. Geetha, U. B. Mahadevaswamy, "Crest Dwindling and Interposing for PAPR Reduction in OFDM Signal with Sustainable Spectral Efficiency," *Wirel Pers Commun*, vol. 125, no. 3, pp. 2799–2818, Aug. 2022, doi: 10.1007/s11277-022-09686-y.

10. R. Mullur Nagaraja Murthy, U. B. Mahadevaswamy, "Automatic fault identification in WSN-based smart grid environment," *International Journal of Communication Systems*, 2022, doi: 10.1002/dac.5340.
11. Kavyashree B, Rakesh M D (2022). Prediction of Cardiac Arrhythmia using Machine Learning. In International Journal for Research in Applied Science and Engineering Technology (Vol. 10, Issue 9, pp. 1698–1706). International Journal for Research in Applied Science and Engineering Technology (IJRASET). <https://doi.org/10.22214/ijraset.2022.46900>
12. Tejas Kumar M, Rakesh M D (2022). "Drug Target Interaction [DTI] and Prediction using Machine Learning", International Journal for Research in Applied Science and Engineering Technology (Vol. 10, Issue 10, pp. 116–122). International Journal for Research in Applied Science and Engineering Technology (IJRASET). <https://doi.org/10.22214/ijraset.2022.46901>
13. Pavithra D R, Sudarshan Patil Kulkarni "Investigation of Wavelets for Representation and Compression of Skin Cancer Images" International Journal of Image, Graphics and Signal Processing, 2022 (**At Press**)
14. Pavithra D R, Sudarshan Patil Kulkarni, "Efficient Representation of Skin Cancer Images using Wavelet Lifting Scheme" Journal of AIMS Electronics and Electrical Engineering. (**Under Review**)

#### ***International/National Journals***

***Aug 2021-July 2022***

1. Bommegowda K. B., N. M. Renukappa and J. Sundara Rajan, (2021) "Effect of Micro and Nano Filler Hybrids on the Dynamic Mechanical Properties of Glass Reinforced Epoxy Composites", Polymer Composites Journal (Wiley), Vol. 42, Issue 5, pp. 2252-2267.
2. Bommegowda K. B., N. M. Renukappa and J. Sundara Rajan, (2021) "Equivalent Circuit Modeling of Glass Fabric Reinforced Epoxy Hybrid Composites", IEEE Transactions on Nanotechnology (Accepted, 30-11-2021).
3. Bommegowda K. B., N. M. Renukappa and J. Sundara Rajan, (2021) "Effect of Hybrid Fillers on the Bandgap Energy of Glass Epoxy Composites", IEEE Transactions on Dielectrics and Electrical Insulation, (Accepted, 16-11-2021), 2021. (Manuscript ID:9598).

4. Bommegowda K. B., N. M. Renukappa and J. Sundara Rajan, (2021) "Investigation on Effect of micro and nano fillers on Electrical and Thermal Conductivity of Glass Epoxy Composites", International Journal of Nano Dimension (IJND) (Web of Science), Vol. 13, Issue 1, pp. 126-143.
5. R. Shashidhar, Milan S. Kumar, Aruna Kumari, R. Santosh Kumar, S. Patilkulkarni, (2021)"Novel Approach for Steganography to Camouflage Digital Information Using Least Significant Bit", Computational Intelligence in Pattern Recognition. Advances in Intelligent Systems and Computing, vol 1349. Springer, Singapore, Sept, 2021, pp 551-562.
6. Shashidhar R and Sudarshan Patilkulkarni (2022) "Audiovisual speech recognition for Kannada language using feed forward neural network" Neural Computing and Applications, pp. 1-13, DOI: <https://doi.org/10.1007/s00521-022-07249-7>
7. Shashidhar R et al (2022) "Indian Sign Language Recognition Using 2-D Convolution Neural Network and Graphical User Interface",International Journal of Image, Graphics and Signal Processing(IJIGSP), Vol.14, No.2, pp. 61-73, 2022.DOI: 10.5815/ijigsp.2022.02.06
8. Shashidhar, R., Patilkulkarni, S. & Puneeth, S.B.(2022) "Combining audio and visual speech recognition using LSTM and deep convolutional neural network",International Journal of information technology. pp. 1-12. DOI:<https://doi.org/10.1007/s41870-022-00907-y>.
9. Shashidhar R, Sahana V, Chakraborty S, Puneeth SB, Roopa M. (2021) "Recognition of Tablet using Blister Strip for Visually Impaired using SIFT Algorithm"Indian Journal of Science and Technology. 14(23): 1953-1960. <https://doi.org/10.17485/IJST/v14i23.750>
10. Parvathy Bhaskar, M. G. Veena, B.S. Madhukar, (2022)"A study of co-doping of rare earth and alkaline earth metals with zinc oxide nanoparticles“, Asia-Pacific Journal of Science and Technology, Acceptance date ; April 27, 2022.Ms. No. APST-D-22-00046R1.
11. Shwetha H R and Rudraswamy S B, (2022) “Thermal Analysis of Greenhouse Gases Using MEMS Based Platinum Microheater”, International Journal of Mechanical Engineering, Vol. 7 No.4.
12. Shwetha H R and Rudraswamy S B, (2021)“ Design and fabrication of platinum based MEMS Micro Heater with integrated temperature sensor for the thermal analysis of greenhouse gases”, Nat. Volatiles & Essent. Oils, 2021; 8(6): 3414-3424.

13. Ramya M V, (2021) “Remote Laboratory: conducting laboratory experiments over the internet”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol. 9, Issue 10, October 2021 DOI: 10.17148/IJIREEICE.2021.91006
14. Ramya M.V., (2021) Implementation of Industrial IoT Laboratory for Sensors Published in ‘Lecture Notes in Mechanical Engineering, Springer’ Publications on October 12, 2021 Indexed by SCOPUS and published in Web of Science with H-index 16, Q4.
15. Ramya M V,Prakash K R, Santhosh M S,Purushothama G K,” An approach to convert conventional laboratories into an IOT enabled Laboratories”, International Journal of Web-Based Learning and Teaching Technologies, Vol.16, Issue No.5, Article 6, 2021, ISSN No. 15481107. (DOI: 10.4018/IJWLTT.20210901.oa6 and Scopus Indexed, H-index 12, Q3 and impact facor 0.756).
16. Jayanth C,Vinay Prasad M S,(2021)” Data Gathering Scheme for Mobile Wireless Sensor Network with Contention Protocol”, Internal Research Journal of Engineering & Technology (IRJET), Volume 08, Issue 08, pp:3862-3868,e-ISSN:2395-0056,p-ISSN:2395-0072.
17. H M Gayitri, Murad Q A, AI-Gunaid,Fares H AL-Ostoot, Nabil AI-Zaqri, Ahmed Bashaala, A P Gnanaprakash,” Investigation on opto-electrical, structural and electro-chemical performance of PVA/ZnBi<sub>2</sub>MnO<sub>7</sub> hybrid nanocomposites”,Polymer Bulletin, <https://doi.org/10.1007/s00289-021-04056-3>, Accepted:21 December 2021, the authors(s), under exclusive license to springer-verlag GmbH Germany,part of springer Nature 2021, Published online:30 January 2022,pp.1-18.
18. Dr.Shankaraiah N, Shalini P, “ Social behavioral biometric multimodal union to evade fake account creation in Facebook”, Multimedia Tools and Applications (Journal), <https://doi.org/10.1007/s11042-022-13104-7>, Received:17 November 2020/Revised: 17 March 2022/Accepted:3 April 2022, under exclusive licence to Springer Science +Business Media, LLC, part of Springer Nature 2022, Published online: 02 May 2022, pp:1-35.
19. Dr. Shankaraiah, Shalini P, “ In Loco Identity Fraud Detection Model Using Statistical Analysis For Social Networking Sites: A Case Study With Facebook”, has been conditionally accepted for publication in the International Arab Journal of Information Technology(IAJIT), 21 February 2022, Manuscript will be appear in May 2022,Pp:1-8.
20. Dr. Shankaraiah, Shalini P, “Multimodal biometric decision fusion security technique to evade immoral social networking sites for minors”, under exclusive licence to

springer science+business media, LLC, part of Springer Nature 2022(Journal), Published: 12 May 2022, <https://doi.org/10.1007/510489-022-03538-9>, Applied Intelligence, Pp: 1-26.

21. Priyanka D.S, (2021) “Remote Laboratory: conducting laboratory experiments over the internet”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol. 9, Issue 10, October 2021 DOI: 10.17148/IJIREEICE.2021.91006.
22. U. B. Mahadevaswamy, Megha K M, Abhijeet Bharthi, Akhil S R. & Bijwal Jain, “JAIVIK - Helping Farmers to Grow More”, i-manager’s Journal on Information Technology, Vol. 9|No. 3 1, August 2021, 10.26634/jit.9.3.18298,
23. S. Gayathri, Anirudh Chandroth, K. Riya Ramesh, R. N. Sindhya Shree, and Surojeet Banerjee, “Vocal Eyes Communication System”, Chapter 17, Springer Nature Singapore Pte Ltd. 2022, J. I.-Z. Chen et al. (eds.), Machine Learning and Autonomous Systems, Smart Innovation, Systems and Technologies 269, pp 246-260
24. Puneeth K M, Shruthi R, Veditha A, B Poorvi Baliga."Review on CNTFET: Recent Developments in Biosensors for Health Care Applications", International Journal for Research in Applied Science and Engineering Technology (IJRASET) Page No: 4972-4977, ISSN: 2321-9653, Volume 10, Issue V,May - 2022.
25. Akshatha M ,KavyaShree M K, “An Efficient Automatic Water Sprinkler Design for Operate in Dust Environment” Published in Walailak Journal of Science and Technology, Scopus Indexed Journal with Impact Factor 0.436
26. Anitha S Prasad , M N Jayaram , N Kumara Swamy, “ Fabrication of GNR Electrode for ECG signal acquisition”, Journal, IEEE Sensors letters Volume 5, Issue 9 Sept 2021.(Scopus indexed).
27. Naveen Kumar S, Dr. Gayathri S , “ Classification on Parkinson disease using transfer learn”, International journal of innovative research in advanced engineering (IJIRAE), ISSN: 2349-2163,Volume 8, Issue 08 (August 2021) pp. 205-211 . R-1 Aug 20211, A-12, Aug 2021, published online :30, August 2021.
28. Darshan N, D R Pavithra,” IOT Based Smart Cash Crop Cultivation using Raspberry PI”, International Journal of Innovative Research in Advanced Engineering (IJIRAE) ISSN: 2349-2163, Volume 8, Issue 08, pp 199-204(August 2021).

29. Shankaraiah, Shashank, S. (2022). Software-Defined Networking Security System Using Machine Learning Algorithms and Entropy-Based Features. In: Karrupusamy, P., Balas, V.E., Shi, Y. (eds) Sustainable Communication Networks and Application. Lecture Notes on Data Engineering and Communications Technologies, vol 93. Springer, Singapore. [https://doi.org/10.1007/978-981-16-6605-6\\_38](https://doi.org/10.1007/978-981-16-6605-6_38)
30. Anitha S Prasad, Rabbi Sudheer Zacharias, DS Sai Rohith, Gaurav Simha N “Brain Computer Interfacing: A method to detect pain signals in the brain of patient under operation” IEEE R10HTC2021 held on 30 Sept to 2 Oct 2021, DOI: 10.1109/R10-HTC53172.2021.9641628.

### ***International/National Journals***

#### **Aug 2020- July 2021**

1. H. M. Gayitri, Murad Al-Gunaid, Siddaramaiah and A. P. Gnana Prakash ,Investigation of triplex CaAl<sub>2</sub>ZnO<sub>5</sub> nanocrystals on electrical permittivity, optical and structural characteristics of PVA nanocomposite films” Polymer Bulletin, Vol.77: pp.5005–5026 (2020) (Springer) IF: 2.87
2. H. M. Gayitri, Murad Al-Gunaid, Siddaramaiah and A. P. Gnana Prakash,Optical, structural and thermal properties of hybrid PVA/CaAl<sub>2</sub>ZrO<sub>6</sub> nanocomposite films, Indian Journal of Engineering and Materials Sciences, Vol. 27, , pp. 320-332, (2020) (NISCAIR) IF:0.88
3. Gayitri H.M, Murad Q.A. Al-Gunaid, Somesh T.E, Fares Hezam Al-Ostoot and Siddaramaiah,Optimized nano-perovskite lanthanum cuprate decorated PVA based solid polymer electrolyte Polymer–Plastic Technology and Materials. Polymer-Plastics Technology and Materials, 59 (2), pp. 215-229. (2020). (Taylor & Francis) IF: 3.267
4. Gayitri H.M, Murad Q.A. Al-Gunaid, Somesh T.E, and Siddaramaiah, Impact of nano-perovskite La<sub>2</sub>CuO<sub>4</sub> on dc-conduction, opto-electrical sensing and thermal behavior of PVA nanocomposite films, Polymer-Plastics Technology and Materials 59, no. 5 (2020): 469-483. (Taylor & Francis) IF: 3.267
5. Mounashree J P, N Sanjay, Sushmitha B S, Usha B G, Mrs.Anupama Shivamurthy,”Automated weed removal system using convolutional neural network”,

International Journal of Engineering Applied Sciences and Technology, Vol. 6, Issue 2, Pages 231-235, 2021, ISSN No. 2455-2143.

6. Supreetha M, Bharath N, Hithesh S, KarthikeyaMoleyar, Priyanka K N," Building Water And LPG Management System", International Research Journal of Modernization in Engineering Technology & Science ,Volume:03/Issue:06/june-2021 , Impact Factor- 5.354.
7. Kavyashree S, Supreetha M," Fingerprint and Face Recognition Based ATM System Using Raspberry PI", International Journal of Innovative Research in Advanced Engineering (IJIRAE) ISSN:2349-2163, Volume 8, Issue 07, pp. 190 (july 2021).
8. Dr. U.B Mahadevaswamy, Megha K M, Arjun V Srivatsa, Ayushi G Jain , Bhoomika Rani B, " Food Grain Storage Monitoring System", International Journal of Engineering Research and Technology (IJERT) ISSN: 2278-0181, NCCDS- 2021 Conference Proceedings, Volume 9, Issue 12, pp. 189-196, 2021.
9. Mrs. Manasa M G , Dr. Gayathri S , Mr.Aravind R , "Low Power Realization of Biometric System Using VLSI", Journal of Chengdu University of Technology , Volume 26, Issue 8 2021, Issn No- 1671-9727.(Scopus indexed).
10. Nagaveni K S, Dr. S Gayathri , "ECU Extract Analyzer and Merger Tool",International journal of innovative research in advanced engineering(IJIRAE) ISSN: 2349-2163, volume 8, Issue 07, pp. 167 to 174 (july 2021), R-19, july2021, A-19 july 21, Published online-30, july 2021, volume 2021|Article ID JLAE10083.
11. Dr. S. Gayathri, G.R. Sumithra, " Datapath Design Closure Challenges: An Emphasis on Speed, Power, Area", Turkish online journal of Qualitative inquiry(TOJQI) , Volume 12, Issue 7, Pp:8529-8543 ,July 2021. (Scopus indexed).
12. Dr. U. B Mahadevaswamy, Megha K M, Abhijith B S, Adarsh, Akash M K," Audio Steganography using two layered encryptions", International Journal of Engineering Research and Technology (IJERT) ISSN: 2278-0181, NCCDS- 2021 Conference Proceedings, Volume 9, Issue 1.
13. Dr.U.B. Mahadevaswamy , Prof.Megha K M, Akhilesh R , Anubhav J Naik , Anusha M S, "Smart Medicine Box", IETE Journal under review , volume 67.
14. Puneeth K M, Poornima M S," A Prach Preamble Generation and Detection Model for 5GNR Systems", International Journal of Scientific Research in Science, Engineering and Technology, ISSN: 2395-1990, Volume 8, Issue 4, pp. 98-105, publication issue: July-Aug-2021, Accepted: 6 July 2021, Published: 13 July 2021.

15. Puneeth K M, Poornima M S," A Survey on Physical Random Access Channel Performance Evaluation and Preamble Detection in 5G Systems". International Journal for research in Engineering applications & Management (IJREAM), ISSN: 2454-9150, Vol-07, Issue-03, pp 161, June 2021.IJREAMV07I0375079, DOI: 10.35291/2454-9150.2021.0331.
16. Pavithra D R, Basavanna, Sathyendra K S, Anupama Y S , M Shamanth, " Smart Stick for Elder People", International Research Journal of Modernization in Engineering Technology and Science , Volume: 03, Issue: 07/ pp 222, july-2021, Impact Factor- 5.354, e-ISSN:2582-5208.
17. Tejas K B, Dr. N. Shankaraiah," Performance Evaluation of FBMC for Future Communication", International Journal of Scientific Research in Science, Engineering and Technology, ISSN: 2395-1990, Volume 8, Issue 4, pp 199-206, Publication Issue: july-aug-2021, Published: 25<sup>th</sup> July 2021.
18. S. Rashmi, N. Shankaraiah, H.K. Pooja, B Goutham, M. Upanya, " Performance Evaluation of Wsn to Monitor Safety Parameters of Ac Transmission Line", Journal Published 24 July 2021, Accepted: 10<sup>th</sup>July 2021 ,Springer nature Switzerland AG part of springer nature, wireless perscommun(2021).(Scopus indexed).
19. Ravindra S, Dr.Shakaraiah, "A Framework for Identifying and Mitigating Malicious Flow in Software Defined Network Deployed over an IoT Ecosystem", Indian Journal of Computer Science and Engineering(IJCSE), Vol. 11, No. 5 Sep-Oct 2020, DOI: 10.21817/indjcse/2020/v11i5/201105223.pp 604October 2020 Indian Journal of Computer Science and Engineering 11(5):604-61. (Scopus indexed).
20. Hadimani Shivakumar, Renukappa N M, Kunigal Shivakumar, Sundara Rajan J,"Advanced Epoxy-Carbon Fabric-Graphene Nanocomposite for Electro-Chemical Sensing", IEEE Sensors Journal , Vol.20, No.21, November 1,2020.(Scopus indexed).
21. Kavyashree M K, Vidyashree D, "Upper Layer UAV Communication Using LLR Algorithm for Flying Ad-hoc Network" published in International Journal of Engineering Reserach and Technology,Volume 9,Issue 7, July 2020, ISSN: 2278 - 0181.
22. Kavyashree M K,Akshatha M, "Survey Paper on Various Methods of Automating the Water System using Dust Sensor to Suppress the Dust in Mining "published in International Journal of Engineering Research and Technology, Volume 9,Issue 5, May 2020, ISSN: 2278 - 0181.

23. Manasa V, Dr. Jayaram M N," Survey on Cloud Computing: A Concept and its Data Confidentiality", International Journal of Engineering Research and Applications , ISSN:2248-9622, Vol 10, Issue 7, July 2020, PP:24-29.
24. Manasa E, Dr Jayaram M N," Detecting Security Vulnerabilities and Gaps in Web Applications with DevSecOps", International Journal of Engineering Research and Applications, ISSN:2248-9622,Vol 10, Issue 7(series-VI) July 2020, PP:01-04.
25. Adarsh V Nayak, Ajinkya S Chitnis, Chyavan M C, Afrid Shariff, M N Jayaram," 3D Representation of Audio Signals- Applications in Raga Detection and Correction", International Journal , Vol. x, NO. x,2020, Pp:xxx xxx.
26. Savitha A C, Dr M N Jayaram, Dr H S Aravind, Dr. Parameshappa G," Survey and study of Energy Routing Protocols for Mobile Adhoc Networks and Wireless Sensor Network", Journal , ISSN:0031-4773, Vol 51, Issue 2,2021, Pp:697-699.
27. Dr.M N Jayaram, Pooja M Nagali,Samantha Menezes,ChethanKumar K S, N Yeshwanth, "Smart Wheelchair Prototype", International Research Journal of Modernization in Engineering Technology and Science,e-ISSN:2582-5208,Volume 03,Issue 06,Impact Factor-5.354, June 2021,Pp: 3467-3469.
28. M N Jayaram, Nisarga Gowda M A," Smart KOT App Generation using an Android Application", International Journal of Engineering and Advanced Technology(IJEAT), ISSN: 2249-8958, Volume-9, Issue 6, August 2020,pp-68-70.
29. Udigala Basavaraju Mahadevaswamy, Chandinimajunath, Shivani N, Swathi P, "Data Visualization of Covid-19 and Associated Diseases", i-managers Journal on Computer Science, Vol.9 No.1 , pp-21to 31, March-May 2021.
30. Halesh M R, Sharath Kumar H K, Darshan M, Rahul R, Mohammed Tahir Jameel," Health APP", International Research Journal of Modernization in Engineering Technology & Science, Volume:03, Issue:06, Pp-2879-2889,Impact Factor-5.354,e-ISSN:2582-5208, June-2021.
31. Shashidhar, Sudarshan Patilkulkarni,"Visual speech recognition for small scale dataset using VGG16 convolution neural network", Journal (Accepted: 3 June 2021, Published online: 15 June 2021) under exclusive license to Springer Science Business Media, LLC, part of Springer Nature 2021. DOI: 10.21203/rs.3.rs-177220/v1, under review.
32. Harshitha M S,Shashidhar R,Roopa M,"Block Chain Based Agricultural Supply ChainReview",Journal,DOI:<https://doi.org/10.1016/j.gltcp.2021.08.041>,Reference: GLTP 65, To appear in Global Transitions Proceedings, Received date: 24 May 2021, Accepted: 28 June 2021, The authors publishing services by Elsevier B.V on behalf of

KeAi Communications Co.Ltd. , This is an open access article under the CC BY-NC-ND License, pp: 1-9.

33. Shashidhar R, Arunakumari B N, Naziya Farheen H S, Puneeth S B, Santhosh Kumar R, Roopa M, “ Breast Cancer Detection Using Supervised Machine Learning Algorithm”, Asian Journal of Convergence in Technology, Volume 6, Issue 3 ,2020,ISSN NO: 2350-1146 I.F-5.11,pp: 26-31.
34. Nikhil S Mangrulkar, Kavita R Singh, Mukesh Raghuwanshi , Shashidhar R,”Parsing Expression Grammar and Packrat Parsing – A Review “, Journal of University of Shanghai for Science and Technology, ISSN: 1007-6735, Volume 22, Issue 12, December 2020, D.O.I-10.51201/12368, pp: 895-901.
35. Dr. Arunakumari B.N\*, Vishnu Sastry H k, Sheetal Neeraj, Shashidhar R, “ An Automated Prediction Model For College Admission System”, Ilkogretim online-Elementary Education online,doi:10.17051/ilkonline.2021.06.124, Volume 20, Issue 6, pp: 1172-1180, 2021.
36. Puneeth K M, Poornima M S, “A Survey on Physical Random Access Channel Performance Evaluation and Preamble Detection in 5G Systems”, International Journal for Research in Engineering Application & Management (IJREAM), ISSN: 2454-9150, Vol-07, Issue-03, JUNE 2021, Page 161-166, DOI: 10.35291/2454-9150.2021.0331
37. Abdussamad Syed, Anoop CC, Rahul Rajkumar Kori, Puneeth K M, “Non-Invasive Glucose Measurement in Blood”, International Research Journal of Modernization in Engineering Technology and Science, Volume: 03/ Issue: 05/May-2021, pp. 3017-3020, e-ISSN: 2582-5208.
38. Megha K M, Mayur V Bhat, Rahul Rajkumar Kori, Kuttubuddin Baig G, Meghana S K “Virtual Vision for Blind” International Research Journal Of Modernization In Engineering Technology And Science (IRJMEST), Volume: 03/Issue: 06/June-2021.
39. S, RAVINDRA, Dr, Shankaraiah, “Mapsdn-Eesc: A Modeling Of Authentication Process For The Software Defined Network Using Encrypted Entity Scheme Cryptography”, Indian Journal of Computer Science and Engineering, VoL - 11, DOI - 10.21817/indjcse/2020/v11i4/201104270, Aug 2020. Scopus indexed)

***International/National Journals***

**Aug 2019- July 2020**

1. Ravindra, S.Shankaraiah, “Security and Authentication Scheme for Software Defined Network” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-4, February 2020. (Scopus indexed)
2. Raghavendra Y M and U.B Mahadevaswamy, “Energy Efficient Routing in Wireless Sensor Network Based on Composite Fuzzy Methods” Journal of Wireless Personal Communication, ISSN 0929-6212 , 14<sup>th</sup> May 2020.(Scopus indexed)
3. Geetha M.N and U.B Mahadevaswamy, “Performance evaluation and analysis of peak to average power reduction in OFDM signal”, wireless personal communications, doi.org/10.1007/s11277-020-07140-5, Springer science business media, LLC, part of Springer Nature Feb 2020.(Scopus indexed)
4. U B Mahadevaswamy, M S Gurudutt, “IoT based occupancy detection using wireless controller in a building/workplace”, International Journal of Innovative Technology and exploring Engineering (IJITEE), Volume-8, Issue-10 August 2019.Scopus indexed)
5. Amrutha R and U B Mahadevaswamy, “High-speed double multiplication architecture for parallel multiplication using mastrovito multiplier”, i-manager's Journal on Electronics Engineering, Vol. 9 ,No. 4 , June - August 2019.
6. U. B. Mahadevaswamy, Siraj Ahmed, “Smart brain wave sensor for paralyzed- a real time implementation”, i-manager's Journal on Pattern Recognition, Vol. 6, No. 2, June - August 2019.
7. U B Mahadevaswamy, Vivek Keshava, Ajay kumar, Lamani, Lochana P. Habbur, Sri Ram Mahadeva, “ Robotic Mapping using Autonomuous Vehicle”, SN Computer Science, May 2020.
8. Santhy P Kuruvilla, N M Renukappa, Mythri R andJ. SundaraRajan, “Assessment of Hydrophobicity of Silicone and Fibre reinforced filled Epoxy Composites under contamination”, IEEE Transactions on Dielectrics and Electrical Insulation, vol 27, no. 2, pp. 649-657, 2020.Scopus indexed)
9. Santhy P Kuruvilla, N M Renukappa, , “Role of Micro and Nano Filler Combination in Hydrophobic Recovery of Glass Fiber Reinforced Epoxy Composites under Various Contaminants”, International Journal of Engineering and Advanced Technology, vol 9, no. 3, pp. 4012-4017, 2020.Scopus indexed)
10. Hadimani Shivakumar , N.M. Renukappa , K.N. Shivakumar and B. Suresha “The reinforcing effect of graphene on the mechanical properties of carbon-epoxy composites” Open journal of composite material, April 2020. (In Printing ).

11. Hadimani Shivakumar , N.M. Renukappa, Mythri R, J. SundaraRajan and K.N. Shivakumar “Investigations on the enhancement of Electrical Conductivity of Epoxy Composites with graphene platelets and carbon fabric” Transaction on electrical and electronics materials, April 2020.
12. Santhy P Kuruvilla , N. M. Renukappa , J. Sundara Rajan,” Influence Hybrid Fillers on Electrical and Mechanical Properties of Fiber Reinforced Epoxy Composites, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 09, Issue 01.Scopus indexed)
13. Gokhale, S.S., Yathisha, L., Patil Kulkarni S, “Performance Improvement of Air Path Dynamics in Diesel Engines Using LQR/LQG Switching Control Techniques”, International Journal of Recent Technology and Engineering, Vol 8 (2SII),Sept2019, pp 2059-64.Scopus indexed)
14. Pooja T L, Supreetha M(2019) “Automated Data Acquisition and Controlling System in Housing Line using Internet of Things (IoT)”, Lecture Notes in Networks and Systems, Inventive Computation Technologies, Springer Nature Switzerland, ICICIT,pp 1-10 , Jan 2020. Scopus indexed)
15. Sachin M N, Dr Gayathri S, Eswar Goda, “ An Instruction-level functionality based Tricor power estimation model for an automotive microcontroller”, International Journal of advanced Science and Technology, Vol 29, No. 3, September 2020 pp 14825-14836.
16. Manasa M.G, Gayathri S ,”Power Minimization Architecture for Multimodal Biometric System using Cadence” International Journal of Emerging Science and Engineering(IJESE) Volume 6,Issue -9, ISSN:2319-6378, April 2020.
17. Anala, Gayathri, Ramesh Ramaswamy, Chetan Waghmare, “An Approach to Mathematically Correlate Timing of Transaction Activity Between Pre-silicon and Post-silicon Environment, SN Computer Science,2020Scopus indexed)
18. Neela A G,S Gayathri, Jayashree K, “A Breast Cancer Detection using Image Processing and Machine Learning Techniques”, International Journal of Recent Technology and Engineering(IJRTE), ISSN:2277-3878, Volume-8 Issue-3, September 2019.Scopus indexed)
19. Meera Giridhar, Dr. Gayathri S, “Sensor Configuration Evaluation by Simulating a Self-Driving Car”, International Journal of Innovative Research in Advanced Engineering (IJIRAE), Issue 12, Volume 6(December 2019)
20. Sujatha Kumari B.A., Rachana Shree N., Radha C., Krishnamurthy S., Sahar S. (2020) “Smart Stick for Blind”, In: Raj J., Bashar A., Ramson S. (eds) Innovative Data

- Communication Technologies and Application. ICIDCA 2019. Lecture Notes on Data Engineering and Communications Technologies, vol 46. Springer, Cham. [https://doi.org/10.1007/978-3-030-38040-3\\_66](https://doi.org/10.1007/978-3-030-38040-3_66).Scopus indexed)
21. Supriya Pal,Thyagaraja Murthy A, “Network Edge computing Framework Application Deployment”,International Journal of Innovative Technology and Exploring Engineering(IJITEE), ISSN: 2278-3075, April 30, 2020.
  22. Renuka B.S., Adyanth H., Sowmya K., Swasthik B. (2020) “Bridging Services Between Cellular and IP Network for Analog–Digital Intercommunication”. In: Vasudevan H., Gajic Z., Deshmukh A. (eds) Proceedings of International Conference on Wireless Communication. Lecture Notes on Data Engineering and Communications Technologies, vol 36. Springer, Singapore. [https://doi.org/10.1007/978-981-15-1002-1\\_31](https://doi.org/10.1007/978-981-15-1002-1_31)Scopus indexed)
  23. Renuka, B.S, Prafulla Shashikiran, G.T.” A Model of Load Distribution between Web Proxy Servers Using Network Traffic Analysis”. *SN COMPUT. SCI.* 1, 103 (2020). <https://doi.org/10.1007/s42979-020-0108-7>.Scopus indexed)
  24. Prasenjit Biswas and M.G. Veena, “High Voltage Direct Current Tracking and Erosion Resistance study of Silicone rubber Outdoor Insulator”, Journal of Electrical Engineering, Dec 2019. IF: 1.29.Scopus indexed)
  25. Anusha M.R. M.G. Veena, “PWM Controlled Solenoid Valves for Automatic Gear Change in Four Wheelers”, Published as Book Series Lecture Notes in Electrical Engineering by Springer. Jan 2020. IF: 0.34.Scopus indexed)
  26. Sindhu G, Pavithra D R, ‘Deploying a Kubernetes Cluster with Kubernetes Operation (kops) on AWS Cloud: Experiments and Lessons Learned’, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-5, June 2020.Scopus indexed)
  27. B Bhargavi, Pavithra D R. ‘Modeling of Lithium ion battery using OpenModelica’, International Journal of Latest Transactions in Engineering and Science, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429 Volume VII July 2020.
  28. Puneeth K M, Pooja P, “Static Pentesting of Android Application”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8,Issue-6, March 2020, Pages 5685-5690. IF : 1.0.Scopus indexed)
  29. Sooraj V, Hardhik M, Nishanth S Murthy, Sandesh C, Shashidhar R “Lip-reading Techniques: A Review” International journal of scientific and technology research, Volume 9, issue 02,2020.Scopus indexed)

30. Shashidhar R, Abhilash S, Sahana V, Alok N A and Roopa N, "IoT Cloud: In Health Monitoring System" International Journal of Scientific & Technology Research, Volume 9, Issue 1, 2020.Scopus indexed)
31. H. M. Gayitri, Murad Al-Gunaid, B. S. Madhukar, Siddaramaiah and A. P. Gnana Prakash , Structural, Dielectric Permitivity and Optical Characteristics of Casting Poly Vinyl Alcohol/Calcium Nickel Aluminate Nanocomposit Films", Polymer –Plastic Technology and Materials, Vol.58, pp.1110-1124,(2019) (Taylor &Francis) IF : **3.267**
32. H. M. Gayitri, M.V. Yathish Kumar, Manjunath Kambar, D.K. Shubhang, S.U. Rudraswamy and B.S. Madhukar, Ga-ZnO/PVDF Nanogenerator, *Journal of Emerging Technologies and Innovative Research*, Vol. 6, pp.406-408, 2019. IF:7.95
33. Satyanarayana R and Dr. Shankaraiah "Performance Enhancement of Rectangular Microstrip Antenna With Different Substrate Materials", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278- 3075, Volume-9, Issue-2S, December 2019,Scopus indexed, UGC Care list 2019, Journal No 194.Scopus indexed)
34. Satyanarayana R and Dr. Shankaraiah "Isolation Enhancement of 3GHz Probe Fed Rectangle Microstrip Patch Antenna by Second Resonance Suppression Technique for Wireless Applications" International Journal of Engineering and Advanced Technology (IJEAT),ISSN: 2249 – 8958, Volume-9, Issue-2,December 2019, Scopus indexed, UGC Care list, Journal No 189. 2019.Scopus indexed)
35. U. B. Mahadevaswamy, M. Shashank Rao, S. Vrushab, C. Anagha, V. Sangameshwar, "Visual Speech Processing and RecognitionPart of the [Advances in Intelligent Systems and Computing](#) book series" (AISC, volume 1141).Scopus indexed)
36. Prasad M, U B Mahadevaswamy, Ayesha Sultana."Performance analysis of Double Gate GAA Nanowire FET with different high-k gate oxide materials, [Journal Critical Reviews](#). 2020; 7(17): 1922-1931 doi: [10.31838/jcr.07.17.239](https://doi.org/10.31838/jcr.07.17.239).Scopus indexed)
37. S, RAVINDRA, Dr, Shankaraiah, A Survey on Security and Authentication Issues and Future Trends in Next Generation Networks, Test Engineering and Management.volume 83, Page Number: 35-44, June 2020.
38. Pavithra D R,Sindhu G," Deploying a kubernetes Cluster with Kubernetes Operation (kops) on AWS Cloud: Experiments and Lessons Learned", International Journal of Engineering and Advanced Technology(IJEAT) ISSN:2249-8958, Volume-9 Issue-5,June 2020.
39. U B Mahadevaswamy and Manoj Poojari, "ECG Signal Analysis, Diagnosis and Transmission", 5th International Conference on Advanced Machine Learning Technologies and Applications (AMLTA-2020), 13-15 Feb 2020, Manipal University Jaipur, India.(Book

series [https://link.springer.com/chapter/10.1007%2F978-981-15-3383-9\\_57](https://link.springer.com/chapter/10.1007%2F978-981-15-3383-9_57)) Scopus indexed)

40. Ramya M V , Purushothama G K, Prakash K R, " Labzcon setup: A Pragmatic Remote Laboratory Platform for Engineering Graduands" is under review in IEEE Transactions on Learning Technologies and applied on 10.11.2019(Submitted).
41. Gayathri S, Naveen Kumar S, Karthik R, "Industrial Automation using PLC and SCADA", i-manager's Journal on Instrumentation and Control Engineering, Vol. 7 1 No. 4 1 August - October 2019, pp 12-17.

### ***International/National Journals***

#### **Aug 2018- July 2019**

1. Prasad M, U B Mahadevaswamy, Prashanth D, "Square root carry select adder using MITSPC D-latch 90 nm technology, i-managers journal on electronics engg, Vol-9, issue 3, March-May 2019.
2. U B Mahadevaswamy, Durgad, "IOT based smart health monitoring system", i-managers journal on electronics Engg, Vol-9, issue 2, Dec-2018- Feb- 2019.
3. U B Mahadevaswamy, Anusha HN, " Robot control using hand gesture", i-managers journal on pattern recognition, Vol. 6, Issue 1, Mar-May 2019.
4. M N Jayaram, M Abhishek, Madhu Bharadwaj, Prabhava, Venkatesh M, A Steganography Algorithm for Hiding Data in an Image by Enhanced LSB Substitution Method, International Journal of Pure and Applied Mathematics, Volume 120 No. 6 2018, 11645-11656Scopus indexed)
5. Dr. M N Jayaram, Pradipta Dhar, Shyam V Hamse, Srinidhi S G, Vijendra R Shenoy, " Mobile biometric ATM", ManTech Publications, Journal of Electronic and Telecommunications Engineering, Volume 3, Issue 1, 2018.
6. S. Parameshwara, N. M. Renukappa and J. SundaraRajan, "The effect of surface modification and heat-treatment on the performance of Rubrene based organic field-effect transistor". The International Journal of Nanoelectronics and Materials, ISSN (Print) 1985-5761 (Electronic) 2232-1535 for January 2019 Issue, (Vol 12, No. 1).Scopus indexed)
7. Umashankar M., Renukappa N.M., Lavanya M.S., Shivakumar K. (2019) Effect of Interleaving and Low Velocity Impact on the Dielectric Properties of Composite Laminates. In: Chandrasekhar U., Yang LJ., Gowthaman S. (eds) Innovative Design,

- Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018). Lecture Notes in Mechanical Engineering. Springer, Singapore. [https://doi.org/10.1007/978-981-13-2697-4\\_7](https://doi.org/10.1007/978-981-13-2697-4_7) Scopus indexed)
- 8. Gokhale, S.S., Yathisha, L., Patil Kulkarni S, “LQR based Optimal Control Techniques as applied to Air path of Diesel Engines”, International Journal of Recent Technology and Engineering, Vol 8 (1C), May 2019, pp 149-156 Scopus indexed)
  - 9. Rudraswamy, S.B., Bharath, V.N., Sanjay Nayak, K., Balachandra, H.N., Reddy, C.C(2019)., “Design and simulation of RF MEMS switch for X-band applications”, International Journal of Recent Technology and Engineering, vol 8, issue-1C, 190-195, 2019. (Scopus indexed). Citations-0.IF 1.0 Scopus indexed)
  - 10. Anegundi Aishwarya, D A Chalana, V Pawale Vinuta, G Vinay, S B Rudraswamy, N Manohar,(2019) “ A Computer-Based Application for Speech Recognition in Multi-Speaker Environment to Assist Hearing Impaired People”, International Journal of Recent Technology and Engineering, vol 8, issue-1C, 177-185, 2019.(Scopus indexed). Citations-0.IF 1.0 Scopus indexed)
  - 11. Savitha Acharya N, Vaishnavi M, Sujith Kumar V, Halesh M R, “Smart Surveillance Robot for Weapon Detection” International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 7 Issue 9, May 2019, ISSN: 2321-9653. Scopus indexed)
  - 12. H. M. Gayitri, Murad Al-Gunaid, B. S. Madhukar, Siddaramaiah and A. P. Gnana Prakash “Structural, Dielectric Permitivity and Optical Characteristics of Casting Poly Vinyl Alcohol/Calcium Nickel Aluminate Nanocomposite Films”, , Polymer –Plastic Technology and Materials, Vol.58, pp.1110-1124, 2019 Scopus indexed)
  - 13. H. M. Gayitri, Murad Al-Gunaid, Siddaramaiah and A. P. Gnana Prakash ,.“Investigation of triplex CaAl<sub>2</sub>ZnO<sub>5</sub> nanocrystals on electrical permittivity, optical and structural characteristics of PVA nanocomposite films”, H. M. Gayitri, Murad Al-Gunaid, Siddaramaiah and A. P. Gnana Prakash , Polymer Bulletin. (Accepted) Scopus indexed)
  - 14. Murad Q.A. Al-Gunaid, Somesh T.E, Gayitri H.M, Fares Hezam Al-Ostoot and Siddaramaiah ,.Optimized nano-perovskite lanthanum cuprate decorated PVA based solid polymer electrolyte”, Polymer–Plastic Technology and Materials. Scopus indexed)
  - 15. Murad Q.A. Al-Gunaid, Somesh T.E, Gayitri H.M, and Siddaramaiah ,“Impact of nano-perovskite La<sub>2</sub>CuO<sub>4</sub> on dc-conduction, opto-electrical sensing and thermal behavior of PVA nanocomposite films”, Polymer–Plastic Technology and Materials.

16. Anitha S Prasad, RajshekharGouda Patil, Manjunath Desai, Shivakumar Yankanchi, Md. Juned, ECG Signal Classification using Machine Learning Algorithms, Journal of Emerging Technologies and Innovative Research(JETIR), June 2019,Volume 6,Issue 6
17. Pavithra D R, Supritha R, ‘Continuous Authentication using Smart Health Monitoring System’ International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-5, June 2019.
18. Rakshith M.N., Shivaprasad N. (2020) Build Optimization Using Jenkins. In: Hemanth D., Shakya S., Baig Z. (eds) Intelligent Data Communication Technologies and Internet of Things. ICICI 2019. Lecture Notes on Data Engineering and Communications Technologies, vol 38. Springer, Cham. [https://doi.org/10.1007/978-3-030-34080-3\\_45](https://doi.org/10.1007/978-3-030-34080-3_45)Scopus indexed)
19. Pooja T L, Supreetha M, “Review of Technologies in Industry 4.0 Revolution”. International Journal of Research in Advent Technology, Vol.7, No.6S, June 2019
20. Eshwari A Madappa, Akshata O Kattimani, Chethana H N , Harshitha, Bheerappa Wage, “Detection of Oral Ailments using CNN “ published in International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.177Volume 7 Issue VII, July 2019.
21. Anusha R,Chandrashekhar Murthy B N, Automatic Trimming Machine for Valve Stem Seal, materialstoday:Proceedings ,Elsevier, IConAMMA 2019.Scopus indexed)
22. Ramya M V , Purushothama G K, Prakash K R, "Design and Implementation of IoT based remote laboratory for sensor experiments" accepted in International Journal of Interactive Mobile Technologies (iJIM).2019
23. Kavyashree M K, Arpitha G R, Kavya R, Surabhi C, Phi I Banrisha L R(2019), “CloudBridge Waste Segregator Automation using Machine Learning” published in International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278–3075 (Online), Volume-8 Issue-9, July 2019, Page No.:2794-2798.IF 5.87Scopus indexed)
24. Prajwal M J., Tejas K B., Varshad V., Mahesh MadivalappaMurgod and Shashidhar R (2019) “A Review on Helmet Detection by using Image Processing and Convolutional Neural Networks”International Journal of Computer Applications 182(50):52-55, April 2019 DOI: 10.5120/ijca2019918770 Scopus indexed)
25. Prajwal M J., Tejas K B., Varshad V., Mahesh Madivalappa Murgod and Shashidhar R “Detection of Non-Helmet Riders and Extraction of License Plate Number using Yolo v2 and OCR Method” International Journal of Innovative Technology and Exploring

Engineering (IJITEE) Volume 9, Issue 2, pp 5167-5172,2019 DOI:DOI: 10.35940/ijitee.B6527.129219Scopus indexed)

26. Anupama S, An Extensive Research Survey on Networked Control Systems (NCS), Communications on Applied Electronics (CAE) – ISSN : 2394-4714 Foundation of Computer Science FCS, New York, USA Volume 7 – No. 20, September 2018.
27. Gayathri S, Mamatha R G, Manasa B, Menita Patil , Sanjana B M “ Automatic Pothole Detection System” International Journal of Engineering Research & Technology (IJERT) Special Issue - 2019ISSN: 2278-0181 Published by, www.ijert.org NCRACES - 2019 Conference Proceedings , pp 1-5.
28. Satyanarayana R and Dr. Shankaraiah "Bandwidth Enhancement of 4GHz Probe Fed Rectangle Microstrip Patch Antenna with Diagonal DGS Technique for Wi-Fi Applications.“, International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 14, Number 12, May 2019 pp. 2925-2934, UGC approved Journal.Scopus indexed)
29. Satyanarayana R and Dr. Shankaraiah "Gain Enhancement of Rectangular Microstrip Patch Antenna using Multiple Substrate Stacking Technique.“, Far East Journal of Electronics & Communication Engineering., ISSN 0973-7006, Pushpa publishing house, Vol 20, Number 2 , pp 109-133, June 2019 UGC approved Journal
30. Bharath kumar A L, Dr. M N Jayaram,” Privacy-Preserving Cipher Text Multi-Sharing Control For Big Data Storage”, International Journal of Engineering Research and Technology(IJERT), ISSN:2278-0181, NCRACES- 2019 Conference Proceedings, Volume 7, Issue 10, Special Issue 20 June 2019, pp: 1 to 3.
31. Anurag A S, Dr M N Jayaram, Jeevan D’souza, Manoj M S, Abhishek P,” Recognition and overcoming of Dysarthria”, International Journal of Advance Research Ideas and Innovations in Technology, ISSN:2454-132x, Impact factor:4.295(Volume 5, Issue 3), 10 June 2019, PP:1525-1527.
32. Chethan Aravind T S, Dr M N Jayaram, “Continuous Integration Sandbox using Ansible”, International Journal of Engineering Research & Technology(IJERT), ISSN:2278-0181, NCRACES-2019 Conference Proceedings,Volume 7, Issue 10, 20 June 2019,PP: 1-3.
33. Gayathri S and Devaki Madhav, “Managing relationship and mental health through scientific yoga pranayama” International Journal of Academic Research, ISSN: 2348, Vol.6, Issue-3(4), March 2019, pp 9 -13.

34. S B Rudraswamy, Bharath V N, K Sanjay Nayak, Balachandra H N, ChireddyChakradhar Reddy, " Design and Simulation of RF MEMS Switch for X-band Applications", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-1C, pp. 190, May 2019. (Scopus indexed)
35. AishwaryaAnegundi, Chalana D A, Vinuta V Pawale, Vinay G, Rudraswamy S B, Manohar N," A Computer-Based Application for Speech Recognition in Multi-Speaker Environment to Assist Hearing Impaired people", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-IC, pp. 177, May 2019.
36. Sujit Singh, Shivaswamy Mahesh, Mahesh Sahana, K.M.Puneeth, "Treatment of healthcare facility wastewaters by two dimensional (2D) electrochemical coagulation (ECC), settling and filterability aspects", Journal of Water Process Engineering, Elsevier, Volume 26, December 2018, Pages 200-220

#### ***International/National Journals***

##### **Aug 2017- July 2018**

1. Halesh M. R, Dr. RudraSwamy S. B, Dr. Shankaraiah and GururajKini, "Analysis of Piezoelectric Heterogeneous Bimorph Energy Harvesters" International Journal of Innovative Science and Research Technology ISSN No:-2456 –2165 Volume 3, Issue 1, January – 2018.
2. U. B Mahadevaswamy, Manasa (2018). Wireless Wearable Smart Healthcare Monitoring using Android. International Journal of Computer Network and Information Security (IJCnis), ISSN: 2074-9090 (Print), ISSN: 2074-9104.
3. Dr. U. B Mahadevaswamy, Anupama(2018). Design and development of a Smart device for Energy monitoring and control of domestic appliances: An android application. International Journal of Image, Graphics and Signal Processing DOI: 10.5815/ijigsp, pp36-46.
4. Dr. U. B Mahadevaswamy, Bhavyarani M P et all (2018). Inter Integrated WSN for Crude Oil Pipeline Monitoring. International Journal of Computer Network and Information Security, Vol.10, No. 03, PP 37-51.
5. Dr. U B Mahadevaswamy, Vinod Kumar P(2018). Unilateral Vital Signs Monitoring Systems on IoT. International Journal of Engineering and Manufacturing.1,53-62.

6. Anusha k, U B Mahadevaswamy(2018). Automatic IoT Based Plant Monitoring and Watering System using Raspberry Pi. International Journal of Engineering and Manufacturing (IJEM), Vol.8,No 6, pp.55-67.
7. Vasudev Emmennavar and Dr. U. B. Mahadeva Swamy(2018). IOT Based Security System for Monitoring Surveillance Area by Using Raspberry Pi with Android App Alerts. IOSR Journal of Engineering (IOSRJEN), ISSN (e): 2250-3021, ISSN (p): 2278-8719, Vol. 08, Issue 10 PP 51-58.
8. Anitha S Prasad, M N Jayaram, Detection of Variation in Ventricular Depolarisation in ECG Signal:A Review, Grenz International Journal of Computer Theory and Engineering, Special Issue,2017.
9. Umashankar M, N. M. Renukappa, KunigalShivakumar& J. Sundara Raja (2018). Electromagnetic Shielding Effectiveness of Nylon-66 Nanofiber interleaved Carbon-Epoxy Composite Laminates. IEEE Transactions on electromagnetic compatibility Paper no TEMC-591-2018.
10. M. Suchitra, N. M. Renukappa, C. Ranganathaiah and J. SundaraRajan. (2018) Correlation of Free Space Length and Surface energy of Nanocomposite to Surface Tracking. IEEE Transactions on Dielectrics and Electrical Insulation ,25(6), 2129-2138.
11. L. Yathisha, S. Patilkulkarni, "LQR and LQG Based Optimal Switching Techniques for PSS & UPFC in Power Systems", International Journal of Control Theory & Technology, Springer, Vol, 16(1), 2018, pp 25-37.
12. S. Divakara, S. Patilkulkarni, C. Prasanna Raj, "High Speed Area Optimized Hybrid DA Architecture for 2D-DTCWT"., International Journal of Image & Graphics, World Scientific, Vol 18 (1), 2018,
13. Dr. Gayathri S, H M Gayatri ,Supriya L C. (2018). Automatic Back-Wash Filtering System. Special Issue, International Journal of Pure and Applied Mathematics, 120(6), 6385-6400.
14. Dr Gayathri S Sara Anjum, ShreyasHosur,Shrimanth, Sumithra P S. (2018). Assistance ForBorewell Victims. Special Issue, International Journal of Pure and Applied Mathematics, 120(6), 6401-6413.
15. Gayitri H M Shwetha M ,S.Gayathri RaghavendraHugar. (2018). Design and Implementation of Supervisory Control and Data Acquisition system for Paint shop. International Journal of Research and Analytical , 5 (3).

16. Gayathri S and Jeevan M. (2018). Analysis of PRAM Memory. International Journal of Innovative Science, Engineering& Technology, 5 (6), pp 21-24.
17. Dr Gayathri S, Sahanashree H.N. (2018). Characterization of File Memory Compiler. MAT Journals Journal of Analog and Digital Communications, 4(2), 1-9.
18. Dr Gayathri S, Gayitri H M, Supriya, (2018). Automatic Back-Wash Filtering System, Special Issue: Conscientious Computing Technologies. International Journal of Recent Research Aspects, 84-88.
19. Dr. Gayathri S, Varsha R. (2018). Blind Digital Watermarking System Using 2D-DCT. MAT Journals Journal of Analog and Digital Communications, 4 (2), 1-11.
20. Dr. S Gayathri, Lavanya S , “Validation Of IOV Chain using OVM Technique” *I-manager’s Journal on Circuits and Systems*, Vol 6, Issue 3, June-August 2018, pp 20-27
  
21. Dr Gayathri S, Abhinandan K, Adithya, Supreeth L Y, Vachana M Prabhu, “ Obstacle Avoiding Robot using Infrared Sensor”, journal of Digital Integrated Circuits in Electrical Devices, Vol. 3, Issue 2, 2018, pp 1-5.
- 22.. Manisha, B S; Rudraswamy, S B, VLSI Implementation of CMOS Full Adders with Low Leakage Power. International Journal of Computer Network and Information Security; Hong Kong Vol. 10, Iss. 4, (Apr 2018): 20. DOI:10.5815/ijcnis.2018.04.03
23. Ranganath K N ,Shradha K , Nitish, Kavyashree M K (2018). Development of Braille and Latex Markup Code for Mathematical Equation using OCR. International journal of Engineering Research and Technology (IJERT).
24. Deepak G R, Vinayprasad M S. (2018). Planning a Software Test Automation Framework for Windows Application Utilizing Coded UI in Visual Studio Tool and Page Object Design. International Journal of Innovative Research in Technology. (IJIRT 2018).
25. Shreekanth. T, Shashidhar R, (2018)" "An Application of Image Processing Technique for Compression of ECG Signals based on Region of Interest Strategy", Lecture Notes in Computational Vision and Bio Inspired Computing, Springer, Vol.28, pp.994-1005.
26. Pavithra D R, Dr. Sudarshan Patil Kulkarni" A review on Various representationInternational Journal of pure and applied research in Engineering and Technology”, Review Article Coden:IJPAKY Impact Factor: 4.226 ISSN: 2319-507X, Pavitra DR, IJPRET, 2017; Volume 6(5):26-38.

27. Suresha V and Dr. Shankaraiah. "Enhanced Vertical Handoff Decision Approach for the Multimedia Data in Heterogeneous Wireless Network". International Journal of Computer Networks and Wireless Communications (IJCNWC), 2018.
28. Suresha V , Shankaraiah, "Energy Efficient Vertical Handoff Model for Wireless Body Area Networks (WBANs) in Ubiquitous Healthcare System", International Journal of Scientific & Engineering Research Volume 9, Issue 7, July-2018.
29. M N Jayaram, M Abhishek, Madhu Bharadwaj Prabhava, Venkatesh M," A Steganography Algorithm for Hiding Data in an Image by Enhanced LSB Substitution Method", International Journal of Pure and Applied Mathematics, ISSN:1314-3395, Volume 120 No. 6 July 30 2018, PP:11645-11656.
30. Dr M N Jayaram, Pradipta Dhar, Shyam V Hamse, Srinidhi S G, Vijendra R Shenoy," Mobile Biometric ATM", Journal of Electronic and Tele-communications Engineering , Volume 3, Issue 1, 2018, Pp:1-3.

***International/National Journals***

**Aug 2016- July 2017**

1. Shivalingappa Basavarajappa Rudraswamy, "Optimization of RF Sputtered Ag-Doped BaTiO<sub>3</sub>-CuO Mixed Oxide Thin Film as Carbon Dioxide Sensor for Environmental Pollution Monitoring Application", IEEE SENSORS JOURNAL, VOL. 16, NO.13, JULY 1,2016, pp. 5145 - 5151.
2. Dr. Gayathri S,vipin Rai P, Virupaksha H, Kumaresan S, Yashodha R," Attendance System Using Face Recognition ", International Journal of Engineering Science & Innovative Technology(IJESIT), Volume 6, Issue 3, May 2017. ISO 9001:2008 Certified, ISSN: 2319-5967.
3. Dr. Gayathri S and Chandini S P , " Optimizing The Virtual Prototype To Speed Up Simulations", International Journal of Research Available at <https://edupediapublications.org/journals> p-ISSN: 2348-6848 e-ISSN: 2348-795X Volume 04 Issue 06 May 2017, pp 184-186.
4. Dr. Gayathri S and Karthik B S, "Serial Communication As An Alternative Mechanism For Adb In Test Automation Of Android / Linux DUT" , IJESIT Volume 8, Issue 3, May 2017, pp 222-225.
- 5.. Dr. Gayathri S and Banushree, "Implementation Of Sensor Diagnosis Based On Autosar" IJESIT Volume 8, Issue 3, May 2017, pp 215-221

6. Banushree, Hamshini, Dr Gayathri S, Dr K T Veeramanju, "Implementation of Sensor Actuator Application and Input Output Hardware Layer of AUTOSAR", IJESIT, Volume 6, Issue 2, March 2017, pp 47-54.
7. Divya S, Shivaprasad N," Bigdata: A Survey On RDBMS and Various NOSQL Databases On Storing Medical Images", International Journal of Advance Research and Development, Volume 2, Issue 5. From page no-57 to 63.
8. Kavyashree M K, Shalini P, Prof. Thyagaraja Murthy B," Survey on Various MAC Layer Back off Algorithms in IEEE 802.15.4", International Journal of Emerging Research in Management & Technology ISSN: 2278-9359(Volume -6, Issue-5) Impact factor-3.9. page num 950-954.
9. Dr. Shankaraiah, Kalma TMR,"Migration in openstack liberty", International journal of computer science and information Technology research Vol. 4,Issue 3, pp: (48-52), Month : July-September 2016.page-48-52.
10. M.R. Ambika , N. Nagaiah, V. Harish , N.K Lokanath , M.A. Sridhar, N.M. Renukappa, S.k Suman," Preparation and characterization of isophthalic-Bi<sub>2</sub>O<sub>3</sub> polymer composite Gamma radiation Shields." Radiation physics and Chemistry, 2016.
11. Virappa virupaxappa pattanshetti,G M Shashidhara and M G Veena, "Dielectric and thermal properties of magnesium oxide/poly(aryl ether ketone) nanocomposites", Science Engg composite materials, pp. 1-11.July 2017.
12. Chandra Shekhar Prajapati,Rohith Soman, S B Rudraswamy, Manjunatha Nayak, and Navakanta Bhat ,” Single Chip Gas Sensor Array for Air Quality Monitoring “, Journal of MicroElectromechanical Systems, VOL. 26,No.2, April 2017 from page 433.
13. Shruthi B, U B Mahadevaswamy," FPGA Implementation of Crypto-System based Wireless communication system", IOSR journal of VLSI and Signal processing (IOSR-JVSP) Volume 6, Ver. I (jul. –Aug.2016), PP26-31.
14. Rajesha K V, Dr. U. B. Mahadevaswamy," FFT based target detection using FMCW Radar", IOSR Journal of Vlsi and Signal processing (IOSR-JVSP) Volume 6, Issue 4, ver. II(july-Aug.2016) PP13-18.
15. Kavya R, Dr. S. Gayathri, "Optimization Techniques for Low Power VLSI Design", International journal of research p-ISSN:2348-6848, e-ISSN: 2348-795x, Volume 03 Issue 12 Aug 2016. (page num1-6)
16. Rashmi M. N. U B Mahadevaswamy, "IOT based Energy Meter Monitoring using ARM Cortex M4 with Android Application", International Journal of Computer Applications (0975 – 8887) Volume 150 – No.1, September 2016.

17. Dr. Gayathri S, Abhinandan K, Adithya, Supreeth. L Y, Vachana. M Prabhu, "Obstacle Avoiding Robot using Infrared Sensor", Journal of digital Integrated circuits in Electrical Devices Volume 3, Issue 2.
18. H L Deepak, Hanumesh Rao, B A Sujathakumari," Dual Sim Dual active feature in a 3G modem: A Comprehensive survey", International journal of Engineering Research and modern education, ISSN (online):2455-4200, Volume I, Issue II, 2016.
19. T. Shreekanth, V. Udayashankara and Pavan V Naidu, "An Efficient Recursive Technique for Braille Dot Extraction in Optical Braille Recognition through Frequency Domain approach", Advance in Computing control and communication technology, pp. 107-114, 2016.
20. S. Parameshwara and N M Renukappa"Influence of interface structure on performance of organic field effect transistors"Journal of Nanotechnology, Vol.14 No.9/10/11, 2017.
21. Chandrika S, Dr. S B Rudraswamy, "Cryptography Based Cybersecurity Implementation in Automotives", International j. of current engg. and scientific research, ISSN: 2393-8374, volume-3, Issue-5, pp. 42-48, 2016.
22. M Suchira, N. M Renukappa, "The thermal properties of glass fiber reinforced epoxy composites with and without fillers", Macromol . symp 2016,361, 117-122.
23. M. Suchitra, N. M. Renukappa, C. Ranganathaiah T. Pasang and J. Sundara Rajan, "Moisture and filler induced effects on the dynamic mechanical properties of glass fiber reinforced epoxy hybrid composites", IEEE Transactions on Dielectrics and Electrical Insulation, Vol. , No. 6, pp.3631 - 3640 , 2016.
24. S. S Divakara, Sudarshan Patilkulkarni, Cyril Prasanna Raj, "High speed modular systolic array based DTCWT with parallel processing architecture for 2D image transformation on FPGA", International journal of wavelets, Multiresolution & Information Processing, Vol. 15, No. 5(2017). page num 1-16
25. S Rashmi , Shankaraiah, " A Novel Faculty Phase Identification Algorithm and Fast DQ Transform Technique for Voltage sag Detection", journal of circuits, systems, and computers, Vol. 26, No. 12(2017) 1750204(17pages).
26. S Parameshwara, N M Renukappa," Influence of interface structure on performance of organic field effect transistors", Int. J. Nanotechnol., Vol. 14, Nos. 9/10/11,2017, pp. 775-792.
27. Tanuja P. Patgar and Dr. Shankaraiah, "Performance Analysis of Multi-Source Data Fusion Tracking Algorithm for Ground Based Surveillance Model to Monitor the

- Moving Locomotive”, International Journal of Advances Computer and Electronics Engineering (IJACEE), Volume 1 Issue 03,2016, pp 23-30.
28. Tanuja P. Patgar and Dr. Shankaraiah, “A Heterogeneous Access Remote Integrating Surveillance Heuristic Model for a Moving Train in Tunnel”, International Journal of Intelligent Systems and Applications, Volume 8 Issue 3 , 2016
  29. Shankaraiah, Kalma TMR, “Migration in Openstack Liberty”, International Journal of computer Science and Information Technology Research, Vol. 4, Issue 3, 2016, pp 48-52.
  30. Sharmila K P, Dr. C. Ramesh, Megha K M "D2D Assisted Vehicle Posteriori Discovery", International Journal of Engineering Trends and Technology (IJETT), V46 (8), 442-444 April 2017.

***International/National Journals***

**Aug 2015 -July 2016**

1. Udaykumar Basayya Katti, Dr M N Jayaram,” Seamless Integration of E-Commerce and Business Process Management”, International Journal of Research, ISSN:2348-6848, Volume 03, Issue 10, June 2016, Pp: 1240-1242.
2. Sandesh P, Jeevitesh M S, Jayaram M N,” Dynamic Pricing for E-Commerce”, International Journal of Research, ISSN:2348-6848, Volume 03, Issue 10, June 2016, Pp:1298-1300.
3. Nagashree S, Dr M N Jayaram,” Price forecasting in e-commerce using Neural Network approach”, International Journal of Research , Vol 3 , 24th May 2016, Pp:496-501.
4. Dr Gayathri S and Kavya, “Optimization Techniques for Low Power VLSI Design”, IJOR, Volume 3, Issue 12, August 2016, pp 1-6.
5. Dr. Gayathri S and Sowmya, “Automation and Validation of System sensors”, IJESIT, Volume 5, Issue 3, May 2016, pp 90-96
6. Dr. Gayathri S and Abhiman K, “Optimizing Power Consumption in Smart phones - A Comprehensive Survey” IJLTET, Volume 7, Issue 2,July 2016, pp 170-175.
7. S Gayathri and Vasanth Reddy, “Pre-emptive Layout Verification Flow to Enable Extraction Friendly Design”, International Journal of Research and Development Organization, Vol. 2, Issue 8, August 2015 , pp 16-24, Impact Factor: 1.56

8. S Gayathri and Vinay K, “Comparison and Analysis of Latch Based versus Flip-flop Based Digital Design Approaches”, International Journal of Research and Development Organization Vol. 2 , Issue 7, July 30, 2015, pp 6-12, Impact Factor:1.56.
9. S Gayathri and Tanveerahamad Rozewale , “Design of Filter for fingerprint application on FPGA” International Journal for Scientific Research & Development|, 2015 Vol. 3, Issue 04, 2015 | ISSN (online): 2321-0613 , pp 976-981, Impact Factor 2.39.