



FACULTY PUBLICATIONS (BS): 2021

JOURNALS:

1. Benjamin T., **Rajyalakshmi R.**, Rahul G.R., Ramachandran, "Determination of genotoxic impurity chloromethyl chloroformate in tenofovir disoproxil succinate using RP-LC", Research Journal of Chemistry and Environment, Vol. 25, PP. 102-105, , 2021, (Scopus)
2. **Balaji Gupta Tiruveedhi V.L.N.**, Battula V.R., Bonige K.B., "Novel determination of anti-hypertensive combination; benidipine hydrochloride and nebivolol hydrochloride by high performance chromatographic method", Research Journal of Pharmacy and Technology, Vol. 14, PP. 5433-5438, 2021, (Scopus)
3. **Tiruveedhi V.L.N.B.G.**, Battula V.R., Bonige K.B., "RP-HPLC (stability-indicating) based assay method for the simultaneous estimation of doravirine, tenofovir disoproxil fumarate and lamivudine", International Journal of Applied Pharmaceutics, Vol. 13, PP. 153-159, 2021, (Scopus)
4. Gudimella K.K., Appidi T., Wu H.-F., Battula V., Jogdand A., Rengan A.K., **Gedda G.**, "Sand bath assisted green synthesis of carbon dots from citrus fruit peels for free radical scavenging and cell imaging", Colloids and Surfaces B: Biointerfaces, Vol. 197, PP. 01-07, 2021, (Scopus) (WoS)
5. Rapaka. Suresh Babu, **Guttula. Rama Swamy**, Kovvada. Jasmine, Nethala.Vijaya Kumar, **Ch. Rajya Lakshmi** and Sugnanam. SaiDurga Prasad "Analysis of Heavy Metal Concentrations in Aqua Pond Waters at Dongapindi, Bhimavaram, AP, India." International Journal for Research in Engineering Application & Management (IJREAM), Vol-07, Issue-04, PP. 01-09, JULY 2021 (GS)
6. V.V.Vijetha Inti and **Ch. Rajya Lakshmi**, "Innovative Teaching and Learning Process: An Illustration on Engineering Approach" A Plethora of Thoughts, Volume 1, Page. 91 2021 (BC) (GS)
7. **D Vijaya Lakshmi**, "Reflections of Society In The Novels of Paulo Coelho–A Select Study" The Reflections of Society in Literature: Contemporary Currents, Page. 129, 2021 (GS)
8. **D Vijaya Lakshmi**, K Krishna, N Raju, "Robert Gagne's Nine Instructional Model of Session Plan to Bloom's Taxonomy Levels of Questions with Innovative Digital Platforms.", Language in India, Volume 21, Issue 1, 2021 (GS)
9. **D Vijaya Lakshmi**, "Education Technology in English Language Classroom: A Solution to Develop Communication Skills", A Plethora of Thoughts, Page. 125, 2021, (GS)
10. **M Pushpalatha, D Vijaya Lakshmi**, "Leveraging Prominent Digital Instructive Tools in Higher Education for Teaching and Learning", A Plethora of Thoughts, Page. 21, 2021 (GS)

11. **D Vijaya Lakshmi**, K Ratna Shiela Mani, "Pagan Symbolism in Paulo Coelho's Brida", A PLETHORA OF THOUGHTS, Page 11, 2021 (GS)

BOOK CHAPTERS:

12. Satish L., Seher Y., Rakkammal K., Muthuramalingam P., **Lakshmi C.R.**, Hemasundar A., Prasanth K., Shamili S., Swamy M.K., Dhanarajan M.S., Ramesh M., "Metabolic engineering strategies to enhance the production of anticancer drug, paclitaxel", Paclitaxel: Sources, Chemistry, Anticancer Actions, and Current Biotechnology, PP. 229- 250, 2021, (Scopus)

FACULTY PUBLICATIONS (CE): 2021

JOURNALS:

13. Onyelowo K.C., Mahesh C.B., **Srikanth B.**, Nwa-David C., Obimba-Wogu J., Shakeri J., "Support vector machine (SVM) prediction of coefficients of curvature and uniformity of hybrid cement modified unsaturated soil with NQF inclusion", Cleaner Engineering and Technology, Vol. 5, PP. 01-10, 2021, (Scopus)

FACULTY PUBLICATIONS (CSE) : 2021

JOURNALS:

14. **Ponnada S.**, Sekharamanthy P.K., **Dayal A.**, Yarramalle S., Vadaparathi N., Hemanth J., "An assisting model for the visually challenged to detect bus door accurately", Telkomnika (Telecommunication Computing Electronics and Control), Vol. 19, PP. 1924-1934, 2021, (Scopus)
15. **Dayal A.**, **Gupta S.**, **Ponnada S.**, Hemanth D.J., "Coherence and Adaptivity in Frameless Rendering-A Practical and Information Theoretic Analysis", IEEE Access, Vol. 9, PP. 67752-67760, 2021, (Scopus) (WoS)
16. **M. Kumara Swamy** and **U. Padma Jyothi**, —An Effective Approach to Hate Speech Detection on Social Media, International Research Journal of Engineering and Technology, vol. 8, no. 7, pp. 3903–3907, Aug. 2021. [GS]

CONFERENCES:

17. **Kundu M.**, **Nagendra Kumar D.J.**, "Route Optimization of Unmanned Aerial Vehicle by using Reinforcement Learning", Journal of Physics: Conference Series, Vol. 1921, PP. 01- 06, 2021, (Scopus)
18. **Uppalapati P.J.**, **Dayal A.**, Yamala A., Palivela S.K., "Automatic closing of sketch boundaries - Opening doors to coloring fun", Proceedings - 5th International Conference on Intelligent Computing and Control Systems, ICICCS 2021, PP. 673-676, 2021, (Scopus)

19. **Bonthu S.**, Sree S.R., Krishna Prasad M.H.M., "Text2PyCode: Machine Translation of A Natural Language Intent to Python Source Code", Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 12844 LNCS, PP. 51-60, 2021, (Scopus) (WoS)
20. **Bonthu S.**, Rama Sree S., Krishna Prasad M.H.M., "Automated Short Answer Grading Using Deep Learning: A Survey", Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 12844 LNCS, PP. 61-78, 2021, (Scopus) (WoS)

FACULTY PUBLICATIONS (ECE): 2021

JOURNALS:

21. **Satyanarayana B.V.V.**, Prakash M.D., "Design analysis of GOS-HEFET on lower Subthreshold Swing SOI", Analog Integrated Circuits and Signal Processing, Vol. 109, PP. 683-694, 2021, (Scopus) (Wos)
22. **Rao A.P.**, Sinha S., "Performance comparison of acoustic lens based photoacoustic image reconstruction with algorithm based reconstruction techniques", Optik, Vol. 243, PP. 01-17, 2021, (Scopus) (Wos)
23. **Gayatri Sarman K.V.S.H.**, Madhu T., Mallikharjuna Prasad A., "Fault diagnosis of BLDC drive using advanced adaptive network-based fuzzy inference system", Soft Computing, Vol. 25, PP. 12759-12774, 2021, (Scopus) (Wos)
24. Ranjan R., **Pareek P.**, Das M.K., Pandey S.K., "Numerical design and frequency response of MQW transistor lasers based entirely on group IV alloys", Journal of Computational Electronics, Vol. 20, PP. 1760-1768, 2021, (Scopus) (WoS)
25. Singh L., **Pareek P.**, Kumar G.M., Revathi D., "A Microscale Numerical Analysis of Ex-OR and Ex-NOR Logic Gates by Using Single Plasmonic MZI", Plasmonics, Vol. 16, PP. 1127-1136, 2021, (Scopus) (WoS)
26. Singh L., Zhu G., Mohan Kumar G., Revathi D., **Pareek P.**, "Numerical simulation of all-optical logic functions at micrometer scale by using plasmonic Metal-Insulator-Metal (MIM) waveguides", Optics and Laser Technology, Vol. 135, PP. 01-08, 2021, (Scopus) (WoS)
27. Harathi N., **Sarkar A.**, "TiO₂ based surface acoustic wave gas sensor with modified electrode dimensions for enhanced H₂ sensing application", International Journal of Nano Dimension, Vol. 12, PP. 83-89, 2021, (Scopus) (WoS)
28. **Orugu R.**, Moses N., "Triangular fractal loaded reconfigurable antenna with notch band characteristics", International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, Vol. 34, PP. 01-11, 2021, (Scopus)

29. Jayaprakash S., Nagarajan M.D., Prado R.P., **Subramanian S.**, Divakarachari P.B., "A systematic review of energy management strategies for resource allocation in the cloud: Clustering, optimization and machine learning", *Energies*, Vol. 14, PP. 01-18, 2021, (Scopus) (WoS)
30. Sawant M., Thakare S., **Rao A.P.**, Feijó-Lorenzo A.E., Bokde N.D., "A review on state-of-the-art reviews in wind-turbine-and wind-farm-related topics", *Energies*, Vol. 14, PP. 01-30, 2021, (Scopus) (WoS)
31. **M.V.R.V.Prasad, M.Sirisha, R.Bharath Kumar**, Estimating the Age of the Human by using Fuzzy Logic and Image Processing, *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, 9(1),pp.408-413, Jan 2021. (GS)
32. Rakesh Ranjan , **A. Prabhakara Rao** , Anish Vishwakarma, Automatic Removal of Eye Blink Artefacts from EEG Data using Spatio-Temporal Features, *International conference on Innovative Computing and Communication (ICICC-21)*, *Advances in Intelligent Systems and Computing*, vol 1388. Springer, Singapore. 2021 (GS)

CONFERENCES:

33. **Rohith V., Anand R., Malavika R., Sharu S., Chandra K.R.**, "Spectral and Energy Efficient Index Modulation Techniques for 5G Wireless Networks", *Proceedings of the 2nd International Conference on Electronics and Sustainable Communication Systems, ICESC 2021*, PP. 1062-1069, 2021, (Scopus)
34. **Padmavathy N., Rao Ch V.**, "Reliability Evaluation of Underwater Sensor Network in Shallow Water Based on Propagation Model", *Journal of Physics: Conference Series*, Vol. 1921, PP. 01-17, 2021, (Scopus)
35. **Sarkar A., Sreenath M., Srinivas K., Teja N.V.**, "Investigation of Graphene as a Sensing Layer for Future Prostate Cancer Biosensing Applications", *Journal of Physics: Conference Series*, Vol. 1921, PP. 01-09, 2021, (Scopus)
36. **Kumar P.P., Avula R., Naidu C.R., Santhosi N., Madhuri K.S., Sri L.L.**, "Space Filled Hybrid Multiband Antenna for S-C-X Band Applications", *2021 5th International Conference on Computer, Communication, and Signal Processing, ICCSP 2021*, PP. 131-136, 2021, (Scopus)
37. **Murthy S.V.S.N., Satyanarayana B.V.V., Srinivas C.H.V.V.S.**, "Location Tracking and Warning System of a Ship using Arduino", *Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021*, PP.

1786-1790, 2021, (Scopus)

38. **Satyanarayana N.V.**, Saladi K., **Kumar R.B.**, "Review on Compressors based Approximate Multipliers Design", Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, PP. 1016-1021, 2021, (Scopus)
39. **Pareek P.**, Ranjan R., "Numerical Examination of Detectivity in Group-IV alloy based Infrared Photodetector", Journal of Physics: Conference Series, Vol. 1817, PP. 01-07, 2021, (Scopus)
40. **Krishna C.M.**, **Bhavana M.**, Manisha D., Neha T., "Investigation on graphene based terahertz antenna for medical imaging", Proceedings of the 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2021, PP. 64-69, 2021, (Scopus)
41. **Krishna C.M.**, **Prasad D.D.**, **Krishna C.R.**, **Subbareddy M.K.V.**, "Design and Analysis of Bow-Tie Antenna for Sub - 6GHz Applications", 2021 International Conference on Computer Communication and Informatics, ICCCI 2021, PP. 01-04, 2021, (Scopus) (WoS)
42. **Budumuru P.R.**, **Kumar G.P.**, **Raju B.E.**, "Hiding an Image in an Audio File using LSB Audio Technique", 2021 International Conference on Computer Communication and Informatics, ICCCI 2021, PP. 01-04, 2021, (Scopus) (WoS)
43. **Orugu R.**, Nesasudha M., Janapala D.K., "A Frequency Tunable Hexagon Shaped Antenna for 5.8GHz-WiFi and Sub 6 - 5G Mobile IoT Applications", 2021 International Conference on Computer Communication and Informatics, ICCCI 2021, PP. 01-04, 2021, (Scopus) (WoS)
44. **Krishna C.M.**, **Prasad D.D.**, **Krishna C.R.**, **Orugu R.**, Varma P.K.K., Kumar J.P., "Design and Analysis of Tortoise Shaped Quadband Antenna for C Ku - Band Applications", 2021 International Conference on Computer Communication and Informatics, ICCCI 2021, PP. 01-05, 2021, (Scopus) (WoS)
45. Bhaavan A.S.S., Sudha A.M., Venkata G.P., Sravanthi I., Karthik B.S.K., **Rao Ch V.**, "Arduino based Smart Street Light System", Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021, PP. 657-660, 2021, (Scopus)
46. **Krishna C.M.**, Mohan Rao S.J., Ravi M., Kumar J.P., Murthy N.V.D.P., Subbareddy M.K.V., "Asymmetric CPW - Fed Monopole Antenna with Hybrid Slots for Bandwidth Enhancement", 2021 IEEE Indian Conference on Antennas and Propagation, InCAP 2021, PP. 847-850, 2021, (Scopus)
47. **Shaik A.R.**, **Chandra K.R.**, **Raju B.E.**, **Budumuru P.R.**, "Glaucoma Identification based on Segmentation and Fusion Techniques", 2021 7th IEEE International Conference on Advances in Computing, Communication and Control, ICAC3 2021,

- PP. 978-981, 2021, (Scopus)
48. **Shaik A.R., Durga Naga Lakshmi N., Srinivas C.V.V.S.**, "Delivery Robot Using GPS Technology", 2021 International Conference on Computational Intelligence and Computing Applications, ICCICA 2021, PP. 01-05, 2021, (Scopus)
 49. **Ramesh Chandra K., Pathi Amudalapalli M.V., Satyanarayana N.V., Budumuru P.R.**, "Received Signal Strength (RSS) Based Channel Modelling, Localization and Tracking", ACCESS 2021 - Proceedings of 2021 2nd International Conference on Advances in Computing, Communication, Embedded and Secure Systems, PP. 243-246, 2021, (Scopus)
 50. **Chand R.P., Sri V.B., Lakshmi P.M., Chakravathi S.S., Veerendra O.D.M., Rao C.V.**, "Arduino Based Smart Dustbin for Waste Management during Covid-19", Proceedings of the 5th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2021, PP. 492-496, 2021, (Scopus)
 51. **Sai Sumanjali K.B.N., Sai Vinay K.V., Pasha M.M., Sujji M.P., Kumar N.S., Budumuru P.R.**, "Arduino Based Smart Glove for Visually Impaired", Proceedings of the 5th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2021, PP. 267-271, 2021, (Scopus)
 52. **Manaswi D., Prasad R.D., Naiak M.B., Krishna C.M., Prasad D.D.**, "Circular Arcs Loaded on Monopole Antenna for 5G Emerging and Ka-band Applications", Proceedings of the 2021 2nd International Conference on Communication, Computing and Industry 4.0, C2I4 2021, PP. 01-04, 2021, (Scopus)
 53. Manoranjan G., Chandan M., Karthik G., Satpathy R., **Sugumaran S.**, "Security against SSDF attacks using Novel Attack Mitigation Mechanism for Cognitive Radio Networks", 2021 4th International Conference on Electrical, Computer and Communication Technologies, ICECCT 2021, PP. 01-06, 2021, (Scopus)
 54. **Subbareddy M.K.V., Durga Prasad D., Phani Ponnappalli V.L.N., Pathi A.M.V., Prasanth Kumar J., Krishna C.M.**, "Asymmetric fed Quad band Monopole Antenna for 5G and Space Applications", 2021 IEEE International Conference on Emerging Trends in Industry 4.0, ETI 4.0 2021, PP. 01-06, 2021, (Scopus)
 55. **Sarkar A., Suresh R., Padmavathy N., Aswini C.**, "Investigation of Dielectric Dependency on CNTFET Characteristics in Ballistic Regime", Lecture Notes in Mechanical Engineering, PP. 275-282, 2021, (Scopus)
 56. **Chandra K.R., Donga M., Budumuru P.R.**, "Reversible Data Hiding Using Secure Image Transformation Technique", Lecture Notes in Networks and Systems, Vol. 204 LNNS, PP. 657-668, 2021, (Scopus)
 57. **Satyanarayana B.V.V., Prakash M.D.**, "Lower subthreshold swing and improved miller capacitance heterojunction tunneling transistor with overlapping gate", Materials Today: Proceedings, Vol. 45, PP. 1997-2001, 2021, (Scopus) (WoS)

58. **Sugumaran S.**, Lakshmi D.N., Choudhary S., "An Overview of FTTH for Optical Network", Lecture Notes in Electrical Engineering, Vol. 721 LNEE, PP. 41-51, 2021, (Scopus)
59. Sandhya M., Rudani U., Vallabhadas D.K., **Dileep M.**, Bojjagani S., Pallantla S., Lakshmi Kumari P.D.S.S., "Deep Neural Networks with Multi-class SVM for Recognition of Cross-Spectral Iris Images", Communications in Computer and Information Science, Vol. 1366, PP. 29-41, 2021, (Scopus)
60. **Padmavathy N.**, "Reliability Evaluation of Environmentally Affected Mobile AdHoc Wireless Networks", Lecture Notes in Electrical Engineering, Vol. 668, PP. 1297-1310, 2021, (Scopus)

BOOK CHAPTERS:

61. **Murali Krishna C., Sai Prapoorna M., Taruni Sesha Sai K., Sai Teja M.**, "Super Wideband 1X 2 MIMO Antenna for Advanced Wireless Communication", Lecture Notes in Electrical Engineering, Vol. 711, PP. 509-519, 2021, (Scopus)

FACULTY PUBLICATIONS (EEE): 2021

JOURNALS:

62. Bhoopal N., Rao D.S.M., Narukullapati B.K., **Kasireddy I.**, Kumar D.G., "Selective Harmonic Elimination Based THD Minimization of a Symmetric 9-Level Inverter Using Ant Colony Optimization", Mathematical Modelling of Engineering Problems, Vol. 8, PP. 769-774, 2021, (Scopus)
63. Kumar D.G., Ganesh A., Bhoopal N., Saravanan S., Prameela M., Dsnmrao, **Kasireddy I.**, "Evolutionary algorithms for real time engineering problems: A comprehensive review", Ingenierie des Systemes d'Information, Vol. 26, PP. 179-190, 2021, (Scopus)
64. Jnaneswar K., **Mallikarjuna B.**, Devaraj S., Roy D.S., Reddy M.J.B., Mohanta D.K., "A real- time DWT and traveling waves-based multi-functional scheme for transmission line protection reinforcement", Electrical Engineering, Vol. 103, PP. 965-981, 2021, (Scopus) (WoS)
65. **Pragaspathy S., Kumar C.P., Raju V.S.N.N., Kadali K.S., Saravanan S.**, "A high gain multi- port bidirectional converter with reduced voltage stress", Materials Today: Proceedings, PP. 01-09, 2021, (Scopus)
66. Menaga S., Paruvathavardhini J., **Pragaspathy S.**, Dhanapal R., Jebakumar Immanuel D., "An efficient biometric based authenticated geographic opportunistic routing for IoT applications using secure wireless sensor network", Materials Today: Proceedings,

PP. 01-08, 2021, (Scopus)

67. **Kasireddy I.**, Nasir A.W., Rahul, **Rama Rao R.V.D.** (2021) Stable Zones of Fractional Based Controller for Two-Area System Having Communication Delay. In: Sheth A., Sinhal A., Shrivastava A., Pandey A.K. (eds) Intelligent Systems. Algorithms for Intelligent Systems. Springer, Singapore. PP. 135-142, 2021. (GS)
68. **Ch. Phani Kumar , N. Veeraiah , P. Naveen**, Mitigation of Uncertainties in Hybrid Renewable Energy Systems, International Journal of Engineering Research & Technology (IJERT) Volume 10, Issue 01. PP. 300-306, 2021 (GS)

CONFERENCES:

69. Ganesh M.S.R., Kadali K.S., Bhukya R., Palleswari Y.T.R., Siva A., **Pragaspathy S.**, "Design of Decision Based Recursive Weighted Median Filter with Exponential Weights", Journal of Physics: Conference Series, Vol. 2089, PP. 01-05, 2021, (Scopus)
70. Nalli P.K., Kadali K.S., Bhukya R., Palleswari Y.T.R., Siva A., **Pragaspathy S.**, "Design of Exponentially Weighted Median Filter Cascaded with Adaptive Median Filter", Journal of Physics: Conference Series, Vol. 2089, PP. 01-05, 2021, (Scopus)
71. Sureshkumar R., Prasad S.J.S., Karthikeyan G., **Kumar ChP.**, Pravina S.V., "Three phase induction motor position control using V20 drive", AIP Conference Proceedings, Vol. 2387, PP. 140022-140026, 2021, (Scopus)
72. **Inti V.V.V.**, Lakshmi C.R., **Manoj V.S.**, Swamy G.R., "Analysis of DC-DC Power Converter for Fuel cell Applications", Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021, PP. 663-668, 2021, (Scopus)
73. **Swamy B., Veeraiah N.**, Nagaraju E., **Chakravarthi B.N.C.V.**, "Review of Non Conventional power electronic converters for Solar PV with Non-linear loads", Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021, PP. 358-361, 2021, (Scopus)
74. **Chakravarthi B.N.C.V., Narasimharao P.V., Paul O.R., Paturi R.P.**, "Review of Pulse Modulation Controllers for reduced swiches Multil-level converters", Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021, PP. 161-164, 2021, (Scopus)
75. **Kumar C.P., Pragaspathy S.**, Karthikeyan V., Durga Prakash K.N.S., "Power Quality Improvement for a Hybrid Renewable Farm Using UPQC", Proceedings - International Conference on Artificial Intelligence and Smart Systems, ICAIS 2021, PP. 1483-1488, 2021, (Scopus)
76. **Ch.v. Chakravarthi B.N., Naveen P., Pragaspathy S., Narasimha Raju V.S.N.**, "Performance of Induction Motor with hybrid Multi level inverter for Electric vehicles", Proceedings - International Conference on Artificial Intelligence and Smart Systems, ICAIS 2021, PP. 1474-1478, 2021, (Scopus)

77. Ramesh M., **Mallikarjuna B.**, Rajasekar T., "A novel investigation on single-input three- output dc-dc buck converter for electrical vehicles", Proceedings of the 7th International Conference on Electrical Energy Systems, ICEES 2021, PP. 141-146, 2021, (Scopus)
78. Reddy S.U.M., Venkatesh N., Nagendra N.S., **Prasad P.R.**, Nayak M.R., "Study on New Design Techniques for Enhancement of Solar Panel Efficiency", Proceedings - 2021 International Conference on Computing Sciences, ICCS 2021, PP. 70-75, 2021, (Scopus)
79. **Narasimharaju V.S.N.**, Premalatha M., Pragaspathy S., Rao K D.V.S.K., **Korlepara N.S.D.P.**, Kumar M.M., "Implementation of Instantaneous Symmetrical Component Theory based Hysteresis Controller for DSTATCOM", 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2021, PP. 01-08, 2021, (Scopus)
80. **Korlepara N.S.D.P.**, Chandra G.P., **Seshagiri B.**, **Raju V.S.N.N.**, **Veeraiiah N.**, **Pragaspathy S.**, "A novel Freshness Indication Packaging Technology for Frozen Shrimps", 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2021, PP. 01-05, 2021, (Scopus)
81. Kumar K.S., Nasir A.W., Mani P., **Kasireddy I.**, Sivaramkrishnan M., Ramkumar M.S., "Design and Investigation of Bio-inspired Optimization based I-PD controller for pH Neutralization Process", Proceedings - 2nd International Conference on Smart Electronics and Communication, ICOSEC 2021, PP. 739-744, 2021, (Scopus)
82. Devagupta R., Akhil K.T.S., Suprabhath N.S., Kritesh P., **Mallikarjuna B.**, Reddy M.J.B., Mohanta D.K., Roy D.S., "Dynamic State Estimation of Synchronous Generator Rotor Angle Using PMU and EKF Under Stressed Conditions", Lecture Notes in Electrical Engineering, Vol. 693 LNEE, PP. 213-222, 2021, (Scopus)
83. Jnaneswar K., Devaraj S., **Mallikarjuna B.**, Jaya Bharata Reddy M., Mohanata D.K., "EHV/UHV Transmission Line Protection Using Traveling Waves", Lecture Notes in Electrical Engineering, Vol. 693 LNEE, PP. 565-572, 2021, (Scopus)
84. Bhukya R., Kadali K., Siva A., Palleswari Y.T.R., **Pragaspathy**, Saravanan S., "Retraction: Experimental Validation with FPGA Controller to A Switched-Capacitor Interleaved Bidirectional DC-DC Converter for A Renewable Energy Storage Systems", Journal of Physics: Conference Series, Vol. 1916, 2021, (Scopus)

FACULTY PUBLICATIONS (IT) : 2021

85. Teja Sirapu, Nandhini.N, Suresh Kumar K, Guna Sekhar Sajja, **Ravi Kumar Saidala** And Lokesh M R,"Machine Learning Approach For Protecting The Information Traffic

With Firewall For Smart Iot Devices And Network”, International Journal of Biology, Pharmacy and allied Sciences (IJB PES), Page. 725-736 November, Special Issue, 2021, (GS)

CONFERENCES :

86. **Nagendra Kumar D.J. Kundu M.**, Route Optimization of Unmanned Aerial Vehicle by using Reinforcement Journal of Physics: Conference Series, Volume 1921, First International Conference on Advances in Smart Sensor, Signal Processing and Communication Technology (ICASSCT 2021), 19-20, March 2021, Goa, India . (GS)

FACULTY PUBLICATIONS (ME): 2021

JOURNALS:

87. **Sudheer S.V.S.**, Kumar K.K., Balasubramanian K., "Effect of heater and condenser orientations on fluid flow behaviour in a two-phase natural circulation loop", Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Vol. 235, PP. 1718-1725, 2021, (Scopus) (WoS)
88. **Ratnakar G.G., Ramu I.**, "Design and evolution of a prosthetic socket for lower limb amputation to patient", Trends in Biomaterials and Artificial Organs, Vol. 35, PP. 277-282, , 2021, (Scopus)
89. **Kothasiri A.F.**, Chalamalasetti S.R., Peteti G., "Multiple process parameter optimization of forward extrusion process on aa 2024", International Journal of Modern Manufacturing Technologies, Vol. 13, PP. 63-75, 2021, (Scopus)
90. Gubbala, Giri Ratnakar, and **Ramu Inala**. "Design and Development of Patient-Specific Prosthetic Socket for Lower Limb Amputation." Material Science, Engineering and Applications 1, no. 2 (August 25, 2021): PP. 32–42. 2021 (GS)

CONFERENCES:

91. **Vinod M., Raghuraman M., Chakravarthi V.M.**, "Experimental Investigation of Automatic Aeration Process and Condition of Aqua Ponds Monitoring System with the Help of Internet of Things", Lecture Notes in Mechanical Engineering, PP. 381-390, 2021,(Scopus)
92. **Ramya T., Venu M., Sunil Kumar K.T., Anupama Francy K.**, "Influence of Vegetable Oil Based Lubricants with Nano Particles on Surface Roughness of AISI 1020 and AA 2024 Alloy", Lecture Notes in Mechanical Engineering, PP. 163-173, 2021, (Scopus)

93. **Ramu I., Raghuraman M., Venu M.**, "Effect of Porosity and Thermal Medium on the Vibration Characteristics of Two-Dimensional FGM Plates", Lecture Notes in Mechanical Engineering, PP. 413-423, 2021, (Scopus)
94. **Raghuraman M., Ramu I.**, Chaithanya Vinay V., "Comparison of Mechanical Performance of the Various Stent Materials: A Finite Element Analysis (FEA) Approach", Lecture Notes in Mechanical Engineering, PP. 449-455, 2021, (Scopus)