

**FACULTY PUBLICATIONS (BS): 2020**

**JOURNALS:**

1. **Mudi R.Y.**, Pambi P.R.K., **Ganti V.L.K.**, N.S.S.V.R. R., "Influence of Iron Doped on Structural and Optical Absorption Studies of Calcium Borophosphate (CaBP) Nanophosphors", Macromolecular Symposia, Vol. 393, PP. 01-05, 2020, (Scopus) (WoS)
2. **Rao B. T.**, Cole S., "Physical and Fourier Transform Infrared Studies of ZnO-Al<sub>2</sub>O<sub>3</sub>-Li<sub>2</sub>O- B<sub>2</sub>O<sub>3</sub> Glass System Incorporated with Cu<sup>2+</sup> and Mn<sup>3+</sup> Ions", Macromolecular Symposia, Vol. 392, PP. 01-04, 2020, (Scopus) (WoS)
3. Reddy Onteddu S., Ramana Mutchu B., Durga Thripuram V., Chandu B., **Lakshmi Chavakula R.**, Rayalu Golkonda M., Kotra V., Babu Bollikolla H., "Synthesis and Anticancer Activity of Some New 2-Benzyloxy-5-alkyne Substituted Pyrimidines: An Application to Sonogashira Coupling", ChemistrySelect, Vol. 5, PP. 8194-8197, 2020, (Scopus) (WoS)
4. **Tiruveedhi V.L.N.B.G.**, Battula V.R., Bonige K.B., "Stability indicating RP-HPLC assessment and stability testing of tazarotene and halobetasol in lotion formulation", Asian Journal of Chemistry, Vol. 32, PP. 1456-1462, 2020, (Scopus)
5. **Suryanarayana R.**, Chatikam R., Sharma S.K., "Dichotomy and well conditioning of two- point boundary value problems on time scale dynamical systems", International Journal of Knowledge-Based and Intelligent Engineering Systems, Vol. 24, PP. 107-115, 2020, (Scopus)
6. Kanuri K.V.V., **Suryanarayana R.**, Murty K.N., "Existence of  $\hat{\Gamma}$ -bounded solutions for linear differential systems on time scales", Journal of Mathematics and Computer Science, Vol. 20, PP. 1-13, 2020, (Scopus)
7. **Ch.Rajya Lakshmi** , **G.Rama Swamy**, "Spectrophotometric Method for Analysis of Norethisterone in Pure and Marketed Formulations" International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 9, Issue 12, PP, 11226-11230, December 2020 (GS)
8. M.V. Raghupathi Raju, N. Vijaya Kumar, **Guttula. Rama Swamy**, **Ch. RajyaLakshmi** and Subramani "Determination of rate constants of the reaction Cobalt(III) complexes of  $\alpha$ -Hydroxy Acids with Nicotinium Dichromate(NDC) in the presence of surfactants" Strad Research, Volume 7, Issue 12, PP. 269-282, 2020 (GS)

9. V. V. Vijetha Inti, **Ch. Rajya Lakshmi**, D. Mamatha, **G. Rama Swamy**, B. Kiran “Design of Automated Solar Lawn Mover” International Journal of Engineering Research & Technology (IJERT), Vol. 9 Issue 12, PP. 615-625, December-2020 (GS)
10. Chandra Leela Athota, Vijaya Kumar Nethala, **Rama Swamy Guttula** and Nageswara Rao Gollapalli, “Computer Application in pH-metric Investigation of Ternary Complexes of Ca(II), Mg(II) and Zn(II) with L-Aspartic Acid and Ethylenediamine in Propylene glycol - Water Mixtures” International Journal of Scientific Research and Engineering Development— Volume 3 Issue 6, Nov-Dec 2020 (GS)
11. **Ramaswamy Guttula**, Lakshmi Kishore P, Naga Lakshmi V, “Review on History and Evolution of Nanoparticles and Applications in Various Fields”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 8 Issue XII, PP 306-311, Dec 2020 (GS)
12. **D Vijaya Lakshmi**, “Innovative online assessments tools in higher education”, National Level Virtual Conference on E-Education, E-Learning, E-Management and E-Business (NC4E), Page 10, 2020 (GS)

#### CONFERENCES:

13. **Vijaya Lakshmi D., Sri Lakshmi M.**, "Integrated technological tools for effective blended learning", 2020 IEEE Bombay Section Signature Conference, IBSSC 2020, PP. 163-168, 2020, (Scopus)

#### FACULTY PUBLICATIONS (CE): 2020

#### JOURNALS

14. **Sk. Alisha, P. Rohit**, K.S.N. Sachin, V.Rajesh Babu, Self-Healing Concrete Using Bacteria, The International Journal Of Analytical And Experimental Modal Analysis, Volume XII, Issue VII, Pp3164-3170 (GS)
15. **P. Rohit, S.K. Alisha**, P.V.S.S.P. Ganesh Varma, Partial Replacement Of Fine Aggregate With Crumb Rubber In Concrete, The International Journal Of Analytical And Experimental Modal Analysis, Volume XII, Issue VII, Pp3161-3163 (GS)
16. **V.V.V.Sarma Velavalapalli ,Dr.G.Reddy Babu, P.Manoj, M.Manikanta**, Speculative Study On Properties Of Concrete By Partial Replacement Of Cement With Metakaolin And Ornamental Quarry Dust, International Journal Of Research And Technology Volume 8, Issue 4, December 2020, Pp206-218 (GS)
17. **B Mary Devika, B Durga Vara Prasad, K Suseela**, Designing Of Flexible Pavement By Using Geosynthetic Material (Cotton Fiber), GRD Journals- Global Research And Development Journal For Engineering , Volume 6, Issue 1 , December 2020, Pp 30-34, (GS)

18. **P.Manoj, Sk.S.Alisha,G.Reddy Babu, P.Rohith,M.Manikanta**, Improving The Feasibility Of Design Procedures Using Computer Programming,International Journal Of Research And Technology Volume 8, Issue 4, December2020 ,Pp 191-192 (GS)
19. Manikanta Manne, Manasa Vatsavayee, **V V S Sarma**,Design And Analysis Of (G+5) Residential Apartment,International Journal Of Research And Technology Volume 8, Issue 4, December 2020, Pp193-201 (GS)
20. **B Durga Vara Prasad,K Suseela,B Mary Devika**,M20 Grade Concrete Subjected To Elevated Temperature ,Global Research And Development Journal For Engineering , Volume 6 ,Issue 1 , December 2020,Pp 12-19 (GS)
21. **K Suseela,B Mary Devika,B Durga Vara Prasad**,Potential Waste Water Reuse, Global Research And Development Journal For Engineering , Volume 6 , Issue 1 ,December 2020, Pp 20-29 (GS)
22. **Srikanth Bandela, P Rohith, B Mary Devika**, Plastic Waste Management,Global Research And Development Journal For Engineering , Volume 2 , Issue 1 |,December 2020, Pp 47-53 (GS)

#### **CONFERENCES:**

23. Bohra V.K.J., Nerella R., Madduru S.R.C., **Rohith P.**, "Microstructural characterization of fly ash based geopolymer", Materials Today: Proceedings, Vol. 27, PP. 1625-1629, 2020, (Scopus)

### **FACULTY PUBLICATIONS (CSE): 2020**

#### **JOURNALS:**

24. **Pericherla S.**, "Analysis of host resources utilization by openstack in ubuntu environment", Emerging Science Journal, Vol. 4, PP. 466-492, 2020, (Scopus)
25. Naresh V.S., **Pericherla S.S.**, Murty P.S.R., Reddi S., "Internet of things in healthcare: Architecture, applications, challenges, and solutions", Computer Systems Science and Engineering, Vol. 35, PP. 411-421, 2020, (Scopus) (WoS)
26. **P. Vijaya Durga** and **T. Sujit Kumar**, "A Literature Survey on Internet of Things", International Journal for Research in Engineering Application & Management, vol. 6, no. 9, 2020 [GS]
27. **M. Durga Satish** and **B. Sai Baba**, "IoT Based Smart Street Light Management System", International Journal of Future Generation Communication and Networking, vol. 13, no. 4, 2020. [GS]

28. **B. Revanth** and **D. John Subuddhi**, "Query Approach for Influence Maximization on Specific Users in Social Networks", International Journal of Future Generation Communication and Networking, vol. 13, no. 4, 2020. [GS]

#### **CONFERENCES:**

29. **Arla L.R., Bonthu S., Dayal A.**, "Multiclass spoken language identification for indian languages using deep learning", 2020 IEEE Bombay Section Signature Conference, IBSSC 2020, PP. 42-45, 2020, (Scopus)
30. **Tummalapalli H., RaviTeja P.N.V., Raavi T., Reddy N.S., Chekka S., Dayal A.**, "Safe Drive - Enabling Smart Do not Disturb on Mobile and Tracking Driving Behavior", Learning and Analytics in Intelligent Systems, Vol. 3, PP. 198-205, 2020, (Scopus)
31. **Rajesh N., Prasad K.D., Akhila N., Dayal A.**, "Exploratory Data Analysis to Build Applications for Android Developer", Learning and Analytics in Intelligent Systems, Vol. 3, PP. 231-236, 2020, (Scopus)
32. **Vamsi S., Balamurali V., Teja K.S., Mallela P.**, "Classifying Difficulty Levels of Programming Questions on HackerRank", Learning and Analytics in Intelligent Systems, Vol. 3, PP. 301-308, 2020, (Scopus)
33. **Surya Prakash K., Srimannarayana K., Kaatnam P.K., Dayal A.**, "Precise Survey Assistance for Civil Structures Using Survey Assist", Learning and Analytics in Intelligent Systems, Vol. 2, PP. 47-52, 2020, (Scopus)
34. **Suryadevara N.K., Negi A., Rudraraju S.R.**, "A Smart Home Assistive Living Framework Using Fog Computing for Audio and Lighting Stimulation", Learning and Analytics in Intelligent Systems, Vol. 3, PP. 366-375, 2020, (Scopus)
35. **Suryateja P.S.**, "Experimental Analysis of OpenStack Effect on Host Resources Utilization", Advances in Intelligent Systems and Computing, Vol. 1059, PP. 11-19, 2020, (Scopus) (WoS)

#### **BOOK CHAPTERS:**

36. **Rudraraju S.R., Suryadevara N.K., Negi A.**, "Edge computing for visitor identification using eigen faces in an assisted living environment", Assistive Technology for the Elderly, PP. 235-248, 2020, (Scopus)

## FACULTY PUBLICATIONS (ECE): 2020

### JOURNALS:

37. **Akuri Naga Ganesh**, Madhava Rao Alla, D.Manaswi, **K.Kiran**, An Efficient Diagnosis Pattern generation procedure for multi faults in digital circuits, Solid State Technology, Vol. 63 No. 2s (2020). (GS)
38. D. Chandirasekaran, **S.Sugumaran**, A Real Time-Based Optimized Node Localization Technique For Wireless Sensor Networks, International Journal of Electrical Engineering and Technology (IJEET), Volume 11, Issue 8, pp. 62-73, 2020 (GS)
39. Madhusudan Donga, Asha Korada, **Prudhvi Raj Budumuru**, Removal of impulse noise from a noisy image by using adaptive median filter, Journal of Xi'an University of Architecture & Technology , Volume XII, Issue V, 2020, (GS)
40. **B.Prudhvi Raj**, **L.T.S.Sai Sarath**, **M.J.Prudhvi Raju**, **N.Akhil**, **P.Dinakar**, Smart Home Security System Using Raspberry Pi3 Model B+ Interfacing with IOT, Journal of Emerging Technologies and Innovative Research (JETIR), May 2020, Volume 7, Issue 5, pp.663-667. 2020 (GS)
41. **S.V.S.N.Murthy**, **K.Ramesh Chandra**, **A.M.V.Pathi**, Web Centralized System To Perceive Deficient Street Light Cautiously Optimistic, International Journal on Research and Analytical Reviews (IJRAR),7(2),pp:767-770, 2020. (GS)
42. **K Ramesh Chandra**, **CH V V S Srinivas**, Ultra Low Power Design of Full Adder Circuit using Adiabatic Logic Techniques, International Journal for Research in Applied Science & Engineering Technology (IJRASET),8(5),1340-1350,2020. (GS)
43. **Prudhvi Raj Budumuru** , Madhu Sudhan Donga, Asha Korada, A new Spatial Domine Filter for Impulse Noise Removal with Improved Accuracy Based on Multiple Conditions, International Journal on Innovative Technology and Exploring Engineering (IJITEE), 2020. (GS)
44. **D. Durga Prasad**, **M. Dileep**, **Ch. Rama Krishna**, Design and Implementation of Full Adder using Different XOR Gates, International Journal of Innovative Technology and Exploring Engineering, 9(4), pp.1422-1426, 2020. (GS)
45. G Rajesh Kumar, Mohiul Islam, **G. Prasanna Kumar**, Design And Performance Analysis of High- Speed Blowfish Cryptosystem, TEST engineering and management,82, pp.3181 – 3186,2020. (GS)
46. **Mayuri Kundu**, **Argha Sarkar**, Innovative and Effective Teaching Strategies for Online Education, Innovative Teaching and Learning Process during COVID 19, © IOR INTERNATIONAL PRESS, pp.51-53, ISBN 978-93-89631-66-1 ISBN (eBook) 978-93-89631-67- 8 Nov,2020 (GS)

47. **Ch Murali Krishna, K N G S S Nikhitha, M R Yavanika, N Bhanusri**, Recent developments in Engineering & Technology: Circular Arcs Loaded Moore Curve Fractal Antenna for Multiband Applications, ANVI Books & Publishers, New Delhi, 978-81-946168-4-9, Nov 2020 (GS)

#### CONFERENCES:

48. Aravind Kumar M., **Rameshchandra K.**, Bachu S., "FRCAPE: Frequency Reconfigurable Co-planar Antenna Using Parasitic Elements", Proceedings of IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation, ICATMRI 2020, PP. 01-05, 2020, (Scopus)
49. **Krishna C.M.**, Harshitha P.S., Mounikeswari D., "Multiband DMA-DGS Antenna for Radar Applications", Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020, PP. 580-585, 2020, (Scopus)
50. **Krishna C.M.**, Ravi M., **Raju B.E.**, "Investigation of Hexagonal Antenna with Ring Resonators", Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020, PP. 569-574, 2020, (Scopus)
51. **Krishna C.M.**, Mamatha M., Kumar J.P., "Mickey Mouse Modeled MIMO Antenna for Extended UWB Applications", Proceedings of the 4th International Conference on Computing Methodologies and Communication, ICCMC 2020, PP. 522-527, 2020, (Scopus)
52. Teja V., **Sarkar A.**, **Kundu M.**, Sreenath M., "Characterization of Ag/Ti Schottky contact on ZnO thin film under UV exposure", Materials Today: Proceedings, Vol. 43, PP. 3655-3657, 2020, (Scopus)
53. **Sarkar A.**, Swetha Pasuluri B., Aswini C., **Kundu M.**, "Analysis of dielectric and temperature impact on co-axial CNTFET characteristics using NEGF", Materials Today: Proceedings, Vol. 43, PP. 3725-3728, 2020, (Scopus)
54. **Sai Kumar B.V.**, **Padmavathy N.**, "A Hybrid Link Reliability Model for Estimating Path Reliability of Mobile Ad Hoc Network", Procedia Computer Science, Vol. 171, PP. 2177-2185, 2020, (Scopus)
55. Sandhya M., **Dileep M.**, Murthy A.N., Misbahuddin M., "Fingerprint Cryptosystem Using Variable Selection of Minutiae Points", Advances in Intelligent Systems and Computing, Vol. 1079, PP. 359-369, 2020, (Scopus) (WoS)

## FACULTY PUBLICATIONS (EEE): 2020

### JOURNALS:

56. Saravanan S., Karunanithi K., **Pragaspathy S.**, "A novel topology for bidirectional converter with high buck boost gain", Journal of Circuits, Systems and Computers, Vol. 29, PP. 01-33, 2020, (Scopus) (WoS)
57. **Mallikarjuna B.**, Devagupta R., Reddy M.J.B., Mohanta D.K., "Synchrophasor Sensors Assisted Novel Algorithm for Power System Protection Reinforcement and Health Monitoring", IEEE Sensors Journal, Vol. 20, PP. 8213-8222, 2020, (Scopus) (WoS)

### CONFERENCES:

58. 1. Appikonda M., Dhanalakshmi K., **Krishna P.S.V.**, "Signal Flow Graph Model and Feed- Forward Control for a High Voltage Gain Dual Input Boost DC-DC Converter", 2020 IEEE International Conference on Power Electronics, Smart Grid and Renewable Energy, PESGRE 2020, PP. 01-06, 2020, (Scopus)

## FACULTY PUBLICATIONS (IT) : 2020

### CONFERENCES :

59. K. Pavan Kumar1 , PESN Krishna Prasad, Y Suresh , **P. Sitarama Murthy**, Multimodal Authentication using Tensor Algebra Volume 8. No. 9, September 2020 International Journal of Emerging Trends in Engineering Research Available Online at <http://www.warse.org/IJETER/static/pdf/file/ijeter33892020.pdf> . (GS)
60. Naresh, V.S., **Pericherla, S.S., Murty, P.S.R.**, Reddi, S. (2020). Internet of things in healthcare: architecture, applications, challenges, and solutions. Computer Systems Science and Engineering, 35(6), 411-421.(GS)
61. Dr.D.Vijaya Lakshmi, Mrs. M. Srilakshmi, Integrated Technological Tools for effective Blended Learning,IEEE Bombay Section Signature Conference(IBSSC) vol :4 December DOI:10.1109/IBSSC51096.2020.9332223 Conference: 2020 IEEE Bombay Section Signature Conference (IBSSC)(GS)

## FACULTY PUBLICATIONS (ME): 2020

### JOURNALS:

62. 1. **Inala R.**, "Influence of hygrothermal environment and FG material on natural frequency and parametric instability of plates", Mechanics of Advanced Composite Structures, Vol. 7, PP. 89-101, 2020, (Scopus)

## CONFERENCES:

63. **Raghuraman M., Ramu I.**, "Image Correlation Technique for Slope and Curvature of a Cantilever Beam Using Light Intensity", 1st International Conference on Emerging Trends in Mechanical Engineering, ICETME 2018 Lecture Notes in Mechanical Engineering, PP. 539-547, 2020, (Scopus)
64. **Ramu I., Raghuraman M., Seshu K.V.G.R.**, "Vibration Response of Sandwich Beam with Viscoelastic Core and FGM Face Sheets Using Finite Element Method", 1st International Conference on Emerging Trends in Mechanical Engineering, ICETME 2018 Lecture Notes in Mechanical Engineering, PP. 377-386, 2020, (Scopus)
65. **Namburi K.P.V., Kothasiri A.F., Yerubandi V.S.M.**, "Modeling and simulation of Aluminum 1100 alloy in an extrusion process", Materials Today: Proceedings, Vol. 23, PP.518-522, 2020, (Scopus)
66. **Vinod M., Raghuraman M., Chakravarthi V.M.**, "Experimental Investigation of Paddy Grain Drying Mechanism", 1st International Conference on Emerging Trends in Mechanical Engineering, ICETME 2018, Lecture Notes in Mechanical Engineering, PP. 135-143, 2020, (Scopus)
67. **Ramu I., Raghuraman M., Venu M.**, "Influence of FGM on the Parametric Instability of Skew Plates in Thermal Environment", 1st International Conference on Emerging Trends in Mechanical Engineering, ICETME 2018, Lecture Notes in Mechanical Engineering, PP. 529-539, 2020, (Scopus)
68. **Md Riyaz S., Srinivas P., Ramu I.**, "Optimization of EDM Process Parameters on Aluminum Alloy 6082 by Using Multi-objective Genetic Algorithm", 1st International Conference on Emerging Trends in Mechanical Engineering, ICETME 2018, Lecture Notes in Mechanical Engineering, PP. 499-508, 2020, (Scopus)
69. **Raghuraman M., Ramu I.**, "Experimental Investigation for Finding Defects on Epoxy- Coated Cantilever Beam Using Optical Method", 1st International Conference on Emerging Trends in Mechanical Engineering, ICETME 2018 Lecture Notes in Mechanical Engineering, PP. 331-338, 2020, (Scopus)