



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B.Reddy Nagar, Mylavaram – 521 230, Andhra Pradesh, INDIA.

Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi.

Accredited by NAAC, NBA Tier-1 for CSE, IT, ECE, EEE & ME and “CPE” status by UGC.

Research & Development Cell

Details of R & D Accomplishments during the A.Y.: 2018-19

i.	No. of SCI papers	: 19
ii.	No. of Papers in Scopus indexed Journals	: 58
iii.	No. of Papers in Conf. Proceedings indexed by Scopus	: 24
	Total Papers in SCI & Scopus	: 101
iv.	No. of Open Access Journals	: 98
v.	No. of Papers in General Conf. Proceedings	: 91
vi.	No. of Patents Published	: 01
vii.	No. of Books/Chapters published	: 07
viii.	No. of Grants Received from Govt. of India	: 03
ix.	No. of Ph.D. Scholars awarded Ph.D.	: 02
x.	No. of Faculty Secured Ph.D.	: 03

SCI Papers - 19

AE-0, CE-0, CSE-0, ECE-2, EEE-4, EIE-2, FED-1, IT-0, ME-10, MBA-0, MCA-0, **Total-19**

Department of Electronics and Communication Engineering

1. **Adaptive decision feedback equalizer with dynamic principle for echo cancellation**, SK. Mastan Sharif, K. Satya Prasad, D. Venkata Rao, *Transactions of the Institute of Measurement and Control*, 40 (16), (Dec-2018), 1-17, **0142-3312**.
2. **Effects of post deposition annealing atmosphere on interfacial and electrical properties of HfO₂/Ge₃N₄ gate stacks**, KumarMallem, Jagadeesh ChandraS.V, Minkyuju, SubhajitDutta, Swagata Phanchanan, SimpySanyal, Duy Phong Pham, Shahzada, QamarHussain, JinjooPark, Young-HyunCho, Eun-ChelCho, JunsinYi, *Thin Solid Films*, 675 (1), (Feb-2019), 16–22, **0040-6090**.

Department of Electrical and Electronics Engineering

3. **Harness of maximum solar energy from solar PV strings using particle swarm optimization technique**, T. Nagadurga, P. V. R. L. Narasimham, V. S. Vakula, *International Journal of Ambient Energy- T & F*, 40 (7), (May 2019), 1-10, **0143-0750, 2162-8246**.
4. **A New Passive Islanding Detection Technique for Integrated Distributed Generation System Using Rate of Change of Regulator Voltage Over Reactive Power at Balanced Islanding**, Ch. Rami Reddy, K. Harinadha Reddy, *Journal Of Electrical Engineering & Technology (Springer)*, 14 (2), March 2019, 527–534, **2093-7423**.
5. **Islanding Detection Techniques for Grid Integrated Distributed Generation –A Review**, Ch. Rami Reddy, K. Harinadha Reddy, *International Journal Of Renewable Energy Research*, 9 (2), (June2019), 961-977, **1309-0127**.
6. **An Efficient Passive Islanding Detection Method for Integrated DG System with Zero NDZ**, Ch. Rami Reddy, K. Harinadha Reddy, *International Journal Of Renewable Energy Research*, 8 (4), (Dec2018), 4-6, **1309-0127**.



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Research & Development Cell

Department of Electronics and Instrumentation Engineering

7. **Spectroscopic and electrochemical investigations on $\text{LiCr}_x\text{Mn}_{2-x}\text{O}_4$ cathodes for rechargeable battery application**, MC Rao, M.V.Basaveswara Rao, T. Satyanarayana, *Materials Research Express*, 6 (8), (May-2019), 1-12, **2053-1591**.
8. **Role of molybdenum ions in lead zinc phosphate glass system by means of dielectric studies**, P. Venkateswarara G. Nagaraju, P. Syamprasad, T. Satyanarayana, N. Veeraiah, *Materials Science-Poland*, 36 (4), (Dec-2018), 623-629, **2083-134X**.

Department of Mechanical Engineering

9. **Influence of injection timing on the performance, combustion and emission characteristics of diesel engine powered with tamarind seed biodiesel blend**, M. Harun Kumara, V. Dhana Raju, P. S. Kishore, Harish Venu, *International Journal of Ambient Energy-T & F*, 41 (1), (Aug-2018), 2162-8246, **0143-0750**.
10. **Combined impact of EGR and injection pressure in performance improvement and NOX control of a DI diesel engine powered with tamarind seed biodiesel blend**, Dhana Raju Vallapudi, Harun Kumar Makineni, Srinivas Kishore Pisipaty, Harish Venu, *Environmental Science and Pollution Research*, 25 (36), (Dec-2018), 36381-36381, **0944-1344**
11. **Eichhornia crassipes bio diesel as a renewable green fuel for diesel engine applications: performance, combustion and emission characteristics**, Harish Venu, D.Venkataraman, P.Purushothaman, Dhana Raju V, *Environmental Science And Pollution Research*, 26 (14), (Apr-2019), 18084–18097, **0944-1344**.
12. **Combined effect of influence of NANO additives, combustion chamber geometry and injection timing in a DI diesel engine fuelled with ternary (diesel-biodiesel-ethanol) blends**, Harish Venu, V. Dhana Raju, B .Lingesan Subramani, *Energy*, 174 (10), (May-2019), 386-406, **0360-5442**.
13. **Optimization of intake parameters for diesel engine fuelled with diesel-tamarind seed methyl ester biodiesel blend by Taguchi method**, P. S. Kishore, V.Dhana Raju, Murahari Kolli, *International Journal of Ambient Energy – T & F*, 41 (3), (Aug-2018), 3-4, **2162-8246**
14. **Engine parameter optimization of palm oil bio diesel as alternate fuel in CI engine**, Akula Naresh Kumar, Pisipaty Srinivas Kishore, Kalidindi Brahma Bragadeshwaran, *Environmental Science and Pollution Research*, 26 (7), (Jan-2019), 6652–6676, **0944-1344**
15. **Effect of Reinforcement on compacting characteristics of Aluminium/10-Al₂O₃/Fly ash Metal Matrix composite**, Seelam Pichi Reddy, P.V.Chandrasekhar Rao, Kolli Murahari, , *Journal of Testing and Evaluation* 48(2), (2020): 955-969, **0090-3973**
16. **16.Experimental Study of Nonpolar Surfactant Mixed with Dielectric Fluid on Die-Sinking EDM of Ti-6Al-4V Alloy**, Murahari Kolli, Adepu Kumar, , *Journal of Testing and Evaluation*, 48(2) (2020): 1155-1174. <https://doi.org/10.1520/JTE20170660>.
17. **Assessing the Influence of Surfactant and B₄C Powder Mixed in Dielectric Fluid on EDM of Titanium Alloy**, Murahari Kolli, Adepu Kumar, *Silicon* 11, 1731–1743 (2019).
18. **Multi-Response Optimization of Machining Process Parameters for Wire Electrical Discharge Machining of Lead-Induced Ti-6Al-4V Alloy Using AHP–TOPSIS Method**, A. V. S.



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Research & Development Cell

Ram Prasad, Koonarajji, Murahari Kolli, G. Vamsi Krishna, *Journal of Advanced Manufacturing Systems*, 18(02), 213-236 (2019).

Freshmen Engineering Department

19. **Effect of Cr₂O₃ on the structural, optical and dielectric studies of LiF-SrO-B₂O₃ glasses**, A. Ramesh Babu, S. Yusub, P.M. Vinaya Teja, P. Srinivasa Rao, V. Aruna, D. Krishna Rao, *Journal of Non-Crystalline Solids*, 520 (1) (June-2019), 1-8, **0022-3093**

Scopus Papers - 58

AE-1, CE-1, CSE-9, ECE-17, EEE-7, EIE-2, FED-7, IT-5, ME-9, MBA-3, MCA-2, **Total-58**

Aerospace Engineering Department

1. **Aeroelastic Instability of Cantilever Wing with Added Engine Mass and Thrust Loads Under the Gust Envelope**, L. Prabhu, J. Srinivas, *Journal of The Institution Of Engineers (India): Series C*, 100 (3), (June 2019), 423-431, **2250-0553**.

Civil Engineering Department

2. **An Experimental Study on Concrete Cloth**, M. Satyanarayana, P. Padma Rao, A. Suri Babu, R. Venkata Ramana, G.Sambasiva Rao. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8), (June-2019), 1116-1126, **2278-3075**.

Department of Computer Science Engineering Department

3. **Implementing Frequent Item set Mining By advanced Distributed Approach Using Matrix-Based Pruning**, Srinivasa Rao D, V Sucharita, *International Journal of Engineering and Advanced Technology (IJEAT)*, 8 (5), (June-2019), 2491-2493, **2249 -8958**.
4. **Efficient Algorithm using Big Data for Frequent Item sets Mining**, Srinivasa Rao .D, V Sucharitha, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (4), (Feb-2019), 394-396, **2278-3075**.
5. **Advanced Ensemble ACGC Technique using Image Segmentation Model**, S. Govindu, K.Sundeeep Saradhi, A.Sudhakar, Ch. Srinivasa Rao, J.Nageswara Rao, *International Journal of Recent Technology and Engineering (IJRTE)*, 7(6S2), (April 2019), 796-799, **2277-3878**.
6. **Implementing Mining in Educational Digitization**, P. Vamsi Naidu, Sriram Konduru, J. Venkata Rao, *International Journal of Engineering and Advanced Technology (IJEAT)*, 8 (3), (Feb2019), 400-404, **2249 -8958**.
7. **Study of Data Mining and NN Approach For Compressed medical Image Retrieval**, Vamsidhar E., V. Siva Krishna, Gunna Kishore, *International Journal of Pure and Applied Mathematics*, 120 (6), (July2018), 9735-9753, **1314-3395**.
8. **Certificate and Behavior Based HTMS in Wireless Sensor Networks**, Dr.M.Ramakrishnam Raju, L.Venkata Krishna Rao, *Jour of Adv Research in Dynamical & Control Systems*, 7 (13), (Dec 2018), 746-753, **1943-023X**.
9. **Computational Model for Approximation of Rate Code in Action Potentials in Cognitive Neural Science**, D.Veeraiah, *Journal of Advanced Research in Dynamical & Control Systems*, 10 (9), (July-2018), 2074-2080, **1943-023X**.



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Research & Development Cell

10. **L-Semi-Supervised Clustering for Network Intrusion Detection**, N. Srinivasa Rao, Shaik Farzana, Potnuri Maheswari, *International Journal of Engineering and Advanced Technology(IJEAT)*, 8 (3S), (Feb 2019),805-809, **2249 –8958**.
11. **Recognition of Handwritten Characters using Deep Convolution Neural Network**, Jagan Mohan Reddy D, A. Vishnu vardhan Reddy, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (6S4), (April-2019),314-317, **2278-3075**.
Department of Electronics and Communication Engineering
12. **Design and Performance Analysis of Wideband Hexagonal Ring Antenna with Defected Ground Structure**, P. Rakesh Kumar, K.V.N.Kavya, CH.J.V.Madhavi, K.Vinay Kumar, M.Narendra Kumar, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (7S), (May2019), 33-38, **2278-3075**.
13. **A Leakage Power Aware Transmission Gate Level Shifter**, Srinivasulu Gundala, *International Journal of Engineering and Advanced Technology (IJEAT)*, 8 (4), (April 2019), 1527-1530, **2249 –8958**.
14. **Development of Electronic System to Examine the Quality of Drinking Water**, M. Venkata Sudhakar, K. Lakshmi, *International Journal Of Innovative Technology And Exploring Engineering (IJITEE)*, 8 (8), (June- 2019), 1707-1709, **2278-3075**.
15. **Development of Lesser Complexity Transmitter and Receiver for Generalized Frequency Division Multiplexing Systems**, M. Venkata Sudhakar U.Sirisha, K.Sudheer Kumar, K.Ramya, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8), (June-2019), 1548-1550, **2278-3075**.
16. **Implementation of System for Detecting Unwanted Gases and Monitoring the Agricultural Parameters using IOT**, M.Venkata Sudhakar, P.K.S.Supriya Y.Saidileep,P. Chennakesava Reddy, B.Anil Kumar, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8(8), (June-2019), 1544-1547, **2278-3075**.
17. **Development of Delay Line Filtration based Dispersion Management Optical Fiber System**,M. Venkata Sudhakar, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (7), (May- 2019), 2599-2601, **2278-3075**.
18. **Identification of Artery/Vein in Retinal Image using Local Decision Tree Classifier**, Rama Krishna V.V, Suman. M, *International Journal of Recent Technology and Engineering (IJRTE)*, 7 (6S2), (April 2019), 669-673, **2277-3878**.
19. **Self-Activated Commuting of Train Allying Between Stations**, G. Srinivasa Rao, S.V. Jagdeesh Chandra, A. Narendra Babu, E.V. Krishna Rao, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8), (June- 2019), 1853-1856, **2278-3075**
20. **An Automated Unit for the Detection of Accident using Fuzzy Logic and IOT**, Y.S.V.Raman, A.Narendra Babu, P.Sai Swaroop, P.Nagarjuna , D.Jaya Sri, M.Omkar, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8), (June, 2019), 1860-1863, **2278-3075**.
21. **Implementation of System for Air Quality Monitoring with Respect to Atmospheric Parameters using Raspberry Pi**, A.Narendra Babu, E.V.Krishna Rao, G. Srinivasa Rao,



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Research & Development Cell

- S.V.Jagadeesh Chandra, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8), (June, 2019), 1867-1870, **2278-3075**.
22. **Medical Fusion Image using Wavelet Transformation**, S.V.Jagadeesh Chandra, A. Narendra Babu, G. Srinivasa Rao, Sk. Gousiya Begum, V. Sai Nageswara Rao, B. Nagababu, and B. Prem Kumar, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8), (June, 2019), 1864-1866, **2278-3075**
23. **Hand Gesture Controlled Mouse**, E.V. Krishna Rao, A.Narendra Babu, S.V.Jagadeesh Chandra, G.Srinivasa Rao, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8), (June, 2019), P-P-1857-1859, **2278-3075**
24. **Triple Image Encryption using Chaotic Maps and DNA Sequences**, Y.S.V.Raman, A.Narendra Babu, M.Krishna Priyanka, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8), (June, 2019), 2489-2493, **2278-3075**.
25. **Performance of Capacity Improvement in MB-MF-SIC Detector using Resource Allocation Approach**, B. Suneela, E.V. Krishna Rao, Sarat K. Kotamaraju, K.CH.Sri Kavya, *Jour of Adv Research in Dynamical & Control Systems*, 10 (07), (JUNE-2018), 1461-1469, **1943-023X**.
26. **Multi User-Multiple Input Multiple Output Detector Capacity Enhancement by Resource Allocation in Transmission of Physical Layer Network**, B. Suneela, E.V.KrishnaRao, Sarat K., K. Kotamaraju, K. CH. Sri Kavya, *Journal of Computational and Theoretical Nano Science*, 16 (5-6), (May-2019), 2488-2494, **1546-1963**.
27. **Analytical Study on Low pass Filter with I-Shaped Defected Ground Structures for Medical ISM Band Applications**, Minakshmi Shaw, B.T.P. Madhav, Pradeep Kumar, P.Rakesh Kumar, *International Journal of Pharmaceutical Research*, 10 (3), (Sept 2018), 565-573, **0975-2366**.
28. **Performance Improvement of MB-MF-SIC Detector system using Nakagami-m Fading Channel**, B. Suneela, E.V. Krishna Rao, Sarat, K. Kotamaraju, K.CH.Sri Kavya, *Jour of Adv Research in Dynamical & Control Systems*, 10 (07), (July-2018), 1818-1826, **1943-0243X**.
- Department of Electrical and Electronics Engineering**
29. **Voltage and Frequency Controller in a Multi Micro grid System**, P. Balanagu, M. Umavani, *Journal of Advanced Research in Dynamical and Control Systems*, 10(13), (Jun-2018), 1287-1294, **1943-023X**.
30. **A Linear Quadratic Regulator (LQR)-Based Switching Controller for High Power Applications By Minimizing Switching Angle**, Uma Vani M, Vanajakshi, R.Srinivasa Rao, *International Journal Of Mechanical And Production Engineering Research And Development (IJMPERD)*, 8 (3), (Dec 2018), 752-759, **2249-6890**.
31. **Resonance Propagation and Elimination in Integrated and Islanded Micro grids**, K. V. Siva Reddy, SK. Moulali, K. Reddy, Ch. Rami, K. Harinadha Reddy, B. V. Rajanna, G. Venkateswarlu, Ch. Amarendra, *International Journal of Power Electronics and Drive System(IJPEDS)*, 9(3), (Sept2018), 1445-1456, **088-8694**.
32. **FPGA-controlled seven-level soft switching isolated dc-dc converter topology**, J. Sivavara Prasad, Y.P. Obulesh and Ch. Sai Babu, *International Journal of Electronics Letters*, 106 (5), (Feb-2019), 1-18, **2168-1724**.



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Research & Development Cell

33. **Linear Peak Current Mode Control of Two Level Isolated DC-DC Converter**, J. Sivavara Prasad, K.R.L. Prasad, G. Nageswara Rao, *Jour of Adv Research in Dynamical & Control Systems* 10 (10) (July 2018), 42-57, **1943-023X**.
34. **Three-Port Soft -Switching DC-DC Interleaved Boost Converter Topology using Renewable Energy Sources**, M. Kiran Kumar, J. Sivavara Prasad, *Journal of Advanced Research in Dynamical & Control Systems*, 10 (10), (July 2018), 36-41, **1943-023X**.
35. **A Passive Islanding Detection Method for Neutral point clamped Multilevel Inverter based Distributed Generation using Rate of Change of Frequency Analysis**, Ch. Rami Reddy, K. Harinadha Reddy, *International Journal of Electrical and Computer Engineering (IJECE)*, 8 (4), (Aug. 2018), 1967-1976, **2088-8708**.

Department of Electronics and Instrumentation Engineering

36. **Modeling and Simulation of MEMS Comb Accelerometer for Sensitivity Improvement**, Anusha Ganta, T. Satyanarayana, R. Neela, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8), (June 2019), 2578-2583, **2278-3075**.
37. **3D MR Images De-noising using Adaptive Block wise Approached Non-Local Means (ABNLM) Filter for Spatially Varying Noise Levels**, Poornaiah Billa, Anandbabu Gopatoti, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (4), (Feb 2019), 112-118, **2278-3075**.

Department of Mechanical Engineering

38. **Experimental Analysis of Jet Impingement on Aluminum Heat Sink**, Sk. Esub Basha, Lakshmi Prasad. K, G.Kartheek, K.V.Viswanath, *International Journal of Mechanical Engineering and Technology*, 9 (6), (July-2018), 1129-1140, **0976-6340**.
39. **Numerical Investigations of Optimal Distribution of Discrete Heat Sources under Natural Convection**, Maganti Sairam, Mr.R.Veeranjaneyulu, Pullarao Muvvala, *International Journal of Mechanical Engineering and Technology (IJMET)*, 9 (6), (June 2018), 641-649, **0976-6340, 0976-6359**.
40. **Damage Identification of Fixed- Fixed Beam Using Normalized Natural Frequency Zones**, Chinka Siva Sankara Babu, Adavi Balakrishna, Putti Srinivasa Rao, *Jour of Adv Research in Dynamical & Control Systems*, 10 (10), (2018), 2679-2687, **1943-0023X**.
41. **Vibration Analysis on Engine Elastomeric Angular Mount**, Sudheer Kumar Battula, Rama Murthy Raju. P Ratnam. Ch, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, 8 (6), (Dec 2018), 963-976, **2249-6890, 2249-8001**.
42. **An Innovative Technique to Calculate Optimal Cure Time of Elastomeric Compound for Angular Mounts Using Dynamic Mechanical Analysis**, Sudheer Kumar Battula P. Rama Murthy Raju, Ch. Ratnam, *Jour of Adv Research in Dynamical & Control Systems*, 10 (10), (2018), 2659-2667, **1943-0023X**.
43. **Damage Localization of Cantilever Beam Based on Normalized Natural Frequency Zones and Vibration Nodes**, Siva Sankara Babu Chinka, Balakrishna Adavi, Srinivasa Rao Putti *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (5), (March 2019), 1167-1174, **2278-3075**.



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Research & Development Cell

44. **Experimental Studies on the Thermal Performance of a Closed Loop Pulsating Heat Pipe Using Water-ethanol Binary Working Fluids**, P.Venkataramana, P. Vijaya Kuamr, B. Bala Krishna, *International Journal of Recent Technology and Engineering (IJRTE)*,7 (ICETESM), (March 2019), 135-140, **2277-3878**.
45. **Modelling and Analysis Of Thermo Electric Cooler Module Using ANSYS**, P. Ravindra Kumar, A. Sekharam,P. Venu Madhav, G. Chitti Babu, V. Sai Babu, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*,9 (3), (Jun 2019),1249-1258, **2249-6890,2249-8001**.
46. **Refrigeration System Performance by Inserting Twisted Strip in Condenser Along with Liquid Suction Heat Exchanger**, T. Srinivasa Rao, K. Dilip kumar, K. Appa Rao, *International Journal of Engineering and Advanced Technology (IJEAT)*,8 (2C2), (Dec 2018), 59-62, **2249 – 8958**.
47. **Multi Response Optimization Of Edm Process Parameters For Inconel X-750 Using Moora**, Murahari Kolli, Shaik Khadar Basha, M.V. Jagannadha Raju, *Journal of Mechanical Engineering Research & Developments*, 42, (2019), 30-40, **1024-1752**.

Department of Information Technology

48. **Enhanced Northern Bald Ibis Optimization Algorithm based Clustering Method for Web Document Clustering**, Ravi Kumar Saidala, D. Nagaraju, Sreenivasa Reddy Edara, *Journal of Advanced Research in Dynamical & Control Systems*, 10 (9) (2018), 2081-2094, **1943-023X**.
49. **Snoezelen Bubble Tube –A Therapy for the Mentally Challenged People**, Ch. Sambasiva Rao, Rama Devi Burri, *International Journal of Recent Technology and Engineering (IJRTE)* ,7 (6S5), (April 2019), 2005-2009, **2277-3878**.
50. **Machine learning Methods for Software Defect Prediction Revisit**, Y.Venkata Raghava Rao, Rama Devi Burri V.B.V.N.Prasad, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (8) (June,2019), 3431-3435, **2278-3075**.
51. **Insurance Claim Analysis using Machine Learning Algorithms**, Rama Devi Burri, Ram Burri, Ramesh Reddy Bojja, SrinivasaRao Buruga, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 8 (6S4), (April 2019), 577-582,**2278-3075**.
52. **Internet of Things: A Survey on Security Threats and Study on Azure and AWS IOT Frameworks**, Chandra Sekhar Kolli, V.V. Krishna Reddy, N Venkata Ramana, *Jour of Adv Research in Dynamical & Control Systems*, 10 (9) (July 2018), 2237-2243, **1943-023X**.

Freshmen Engineering Department

53. **Effect of Bio-Enzyme in the Treatment of Fresh Water Bodies**, Bhavani Penmatsa, D Chandra Sekhar, Bhagavathula S Diwakar, T.V. Nagalakshmi, *International Journal of Recent Technology and Engineering*, 8 (1S3),(June 2019), 308-310, **2277-3878**.

Master of Computer Applications Department

54. **Design of Internet of Things (IoT) Sensors and Cloud Computing for Health Care Applications**, P. Ashok Reddy, J. Nageswara Rao, M. Babu Reddy, *Journal of Advanced Research in Dynamical & Control Systems*, 10 (10), 2018), 239-244, **1943-023X**.



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Research & Development Cell

55. **Study of Software Maintenance and Maintenance Estimation Guidelines**, P. Ashok Reddy, K. Rajasekhara Rao, M. Babu Reddy, *International Journal of Recent Technology and Engineering*, 7 (6S5) (Apr-2019), 1976-1981, **2277-3878**.

Management of Business Administration Department

56. **Equity Crowd funding In Europe-A New Financial Phenomenon For Gen Z Entrepreneurs**, K. Bhanu Prakash, P. Siva Reddy, K. Ravi kiran Yasaswi, *International Journal Of Recent Technology And Engineering*, 7 (6S5), (Apr-2019), **2277-3878**.
57. **Social Sector Expenditures and Their Impact on Human Development in India: Empirical Evidence during 2001-02 to 2015-16**, S. M. Reddy, V. V. Narsi Reddy, *International Journal of Recent Technology and Engineering (IJRTE)*, 7 (6S5), (April 2019), 1938-1943, **2277-3878**.
58. **Human Capital Telentum Analytics-A Focus Study on Schools of Business In Telangana & Karnataka**, K. Bhanu Prakash A.Adishesha Reddy, P. Siva Reddy, *International Journal of Recent Technology and Engineering*, 7 (6S5) (Apr-2019), 1949-1952, **2277-3878**.

Scopus Conference Proceedings - 24

AE-0, CE-1, CSE-1, ECE-1, EEE-4, EIE-2, FED-1, IT-9, ME-5, MBA-0, MCA-0 **Total-24**.

Department of Civil Engineering

1. **Sediment Distribution Pattern Studies for Thandava and Konam Reservoirs in Visakhapatnam District**, J. Rangaiiah, P. Udaya Bhaskar, V. Mallikarjuna, *Water resources and environmental engineering*, SPRINGER, 65-76, (Sep-2018), **978-981-13-2043-9**.

Department of Computer Science and Engineering

2. **Automatic Learning for Disease Treatment Classification Healthcare System**, M. Sribala, Ch.V.Narayana, ICICSS 2018 (IEEE), 20th & 21st, September 2018.

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74. **A General Perspective On Classification Of Humans**, K. Ravi Kiran Yasaswi, D.Kalyani & P.Siva Reddy, *3rd International Conference On Recent Research And Innovations In Social Science And Education*, 7, (July 2018), **978-93-87793-34-7**
75. **Is Research In India Without Glitches? Evidences Of Some Corrupt Practices**, Srinivas. L, *AJR Proceedings*, 3, (Oct-2018), **978-81-936820-3-6**
76. **GST Accounting: The New Wave Of Accounting**, Adishesha Reddy. A, Siva Reddy. P, *Management Education-Connecting The Dots*, (Aug-2018), **978-93-88237-03-1**
77. **A Study On Consumer Perception Towards Hero Two Wheelers With Special Reference To Vijayawada City**, Venkateswarlu. D, *2nd International Conference Innovation And Sustainability Of New Businesses*, (Jan-2019)
78. **The Dimensions & Strategies Of Perpetual Transition Management**, V.V.Narsi Reddy, *International Conference On Advances In Humanities Sciences And Management*, (Dec-2018), **978-81-939386-3-8**
79. **Performance Of Lic-A Post-Deregulation Experience**, V.V.Narsi Reddy, *International Conference On Innovations In Engineering And Management*, (Feb-2019)
80. **Social Sector Expenditures And Their Impact On Human Development In India**, V.V.Narsi Reddy, *International Conference On Science, Technology And Management*, (Mar-2019)
81. **Micro, Small And Medium Enterprises (MSME) In India: Opportunities, Issues And Challenges**, Jeyalakshmi. R, *International Seminar On Impact Of Globalisation On Msmes-Prospects, Challenges And Policy Implications On Growth*, (Mar-2019)



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Research & Development Cell

Details of Patents

S.No.	Patent Title	Applicants/ Inventors	Patent No.	Published date
1.	A Seamlessly Integrated Super Network of Blood Banks for Easy and Transparent	Dr. B. Srinivasa Rao HoD, Dept. of IT	201741041347	24-05-2019

Details of Sponsored Research

S.No.	Faculty with Designation	Title of the Proposal	Funding Agency-Scheme	Amount Sanctioned & Date	Status & Duration	Amount received in Rs.
1.	Dr. E.V. Krishna Rao Dean- Academics	Modernization of ECAD Lab (VLSI & Embedded System Lab)	AICTE-MODROB S	9,37,000 & 26-03-2019	Ongoing & Two Years	7,49,600
2.	Dr. D. Veeraiah Professor Dept. of CSE	Two week Faculty Development Program on Machine Learning to Deep Learning: Trends & Challenges	AICTE-FDP	6,22,000 & 14-03-2019	04-11-19 to 16-11-19 & Two Weeks	6,22,000

Travel Grants for International Conferences

S.No.	Faculty, Name of the Conference, Duration	Country	Title of the Talk	Travel grant received from
1.	Dr. S. Naganjaneyulu Professor, Dept. of IT <i>17th IEEE International Conference on Cognitive Informatics & Cognitive Computing during 16th-18th July, 2018</i>	USA	A Novel feature selection based classification algorithm for real-time medical disease prediction	UGC &Ref.: 6-502/2018 (TG) Dt.: 07-03-2019

Details of Ph.D. Guided Successfully

S.No.	Details of Faculty	Acted as	Scholar Name	Awarding University	Date of Awarding
1.	Dr. E.V. Krishna Rao Dean - Academics, Professor, Dept. of ECE	Supervisor	M. Ravindranath Tagore (H.T. No: 09022P0423)	Jawaharlal Nehru Technological University Kakinada (JNTUK)	1 st Mar. 2019
2.			P. Ammi Reddy (H.T. No: 0803PH08A8)		25 th Sep. 2018



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Research & Development Cell

Details of Books

S. No.	Authors	Title of the Book	Publisher	Published on	ISBN
1.	Ch. Rami Reddy, Dr.K. Harinadha Reddy (EEE)	Balanced Islanding Detection of Integrated Distributed Generation (104 Pages)	Lambert Academic Publishing, Germany	13 th July 2018	978-3-330-08154-3
2.	Dr.V. Dhana Raju (ME)	Tamarind seed biodiesel: sustainable green fuel (104 Pages)	Lambert Academic Publishing, Germany	4 th May 2019	978-620-0-08092-9
3.	Dr. Gundala Srinivasulu (ECE)	Design of Low Power High Speed Level Shifters for Multi VDD Systems (52 Pages)	Lambert Academic Publishing, Germany	15 th April 2019	978-620-0-00610-3
4.	Dr. M. Venkata Sudhakar (ECE)	Development of IoT based System for Monitoring Agriculture Parameters (60 Pages)	Lambert Academic Publishing, Germany	19 th April 2019	978-620-0-07799-8
5.	Dr .D. Veeraiah (CSE)	A Novel Approach for Mining Cluster Data bases using Fuzzy Link Analysis	Research India Publications New Delhi	May, 2018	978-93-87374-32-4
6.	Dr.T.V. Nagalakshmi (FED)	Progress in Applied Materials Science	Penerbit UTM Press, Malaysia	Dec,2018	978-983-52-1580-3
7.	Dr.T. Rajasekhar (MBA)	Managing People at Work-Leadership Styles and Influence Strategies	Vandana Publications, Lucknow	20 th ,Dec. 2018	978-81-937887-7-6

Details of Faculty Secured Ph.D.

S.No.	Faculty with Designation	Date of Registration	Date of Awarding Ph.D.	Name of the University
1.	Dr.A.V.G.A. Marthanda Assoc. Professor, Dept. of EEE	08-08-2010	18-01-2019	Sri Venkateswara
2.	Dr. G.L.N. Murthy Assoc. Professor, Dept. of ECE	10-07-2010	26-12-2018	Sri Venkateswara
3.	Dr. V. Dhana Raju Sr. Asst. Professor, Dept. of ME	01-01-2014	08-10-2018	Andhra

Dean R&D