



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.

Research & Development Cell

Details of R & D Accomplishments during the A.Y.: 2017-18

i.	No. of SCI papers	:11
ii.	No. of Papers in Scopus indexed Journals	:20
iii.	No. of Papers in Conf. Proceedings indexed by Scopus	:25
	Total Papers in SCI & Scopus	: 56
iv.	No. of UGC Journals	: 21
v.	No. of Open Access Journals	: 170
vi.	No. of Patents Published	: 03
vii.	No. of Books/Chapters published	: 07
viii.	No. of Research Projects	: 05
ix.	No. of Doctoral Faculty	: 65
x.	No. of Recognized Supervisors	: 21
xi.	No. of Ph.D. Scholars Pursuing	: 46
xii.	No. of Ph.D. Scholars awarded Ph.D.	: 00
xiii.	No. of Events Organized	: 05
xiv.	No. of Faculty Secured Ph.D.	: 00

R & D Publications for the A.Y.: 2017-18

(From 1st July 2017 – 30th June 2018)

Details of Publications (Verified in database on 15-08-2018)							
S.No.	Dept.	SCI	SCOPUS		UGC	Open Access	Total
			Journals	Proceedings			
1.	AE	01	--	--	--	--	1
2.	CIVIL	--	02	--	--	1	3
3.	CSE	01	02	09	--	17	29
4.	ECE	05	05	06	15	45	76
5.	EEE	01	05	--	--	21	27
6.	EIE	02	--	01	1	5	09
7.	MECH	01	04	09	3	36	53
8.	IT	--	02	--	1	6	09
9.	FED	--	--	--	--	3	3
10.	MBA	--	--	--	1	7	8
11.	MCA	--	--	--	--	29	29
Total		11	20	25	21	170	247



SCI Papers – 11

AE-1, CE-0, CSE-1, ECE-5, EEE-1, EIE-2, ME-1, IT-0, FED-0, MBA-0, MCA-0, Total-11

Aerospace Engineering Department

1. **Effect of Inner Nozzle Lip Thickness on Co-Flow Jet Characteristics**, T. Srinivasarao, I. Dakshina Murthy, P. Lovaraju, Shankar, E. Rathakrishnan International Journal of Turbo and Jet Engines, 34(3), (Aug-17), 287-293, 0334-0082.

Department of Computer Science Engineering Department

2. **Relative Dimensionality of Feature Selection Based On Collective Behaviour In Cluster Databases**, D.Veeraiah, D. Vasumathi, Journal of Scientific & Industrial Research, 76, 2017, PP: 468-472, 0975-1084.

Department of Electronics and Communication Engineering

3. **Automated Pulmonary Lung Nodule Detection Using an Optimal Manifold Statistical Based Feature Descriptor and SVM Classifier**, Biomedical & Pharmacology Journal P. Ammi Reddy, E.V. Krishna Rao, B. Ramesh, 10 (3), 2017, 1311-1324, 0974-6242.
4. **Speech Enhancement Using MMSE Estimation Of Amplitude And Complex Speech Spectral Coefficients Under Phase-Uncertainty**, K. Ravi Kumar, P.V. Subbaiah, Speech Communication, 96, 2018, 10–27, 0167-6393.
5. **Edge Enhanced Fuzzy C Means Algorithm for Hippocampus Segmentation And Abnormality Identification**, G.L.N.Murthy, B.Anuradha, Biomedical & Pharmacology Journal, 10 (4) 2017, 1747-1755, 0974-6242.
6. **Design and Analysis of Band Notched Wide Band Met material Integrated U & T Shaped Patch with Strip Line Antenna for Wireless Application**, Helix, K. Rani Rudrama, P. Siddaiah, Dr. M. N. Giri Prasad, 8(1) Dec. (2017), 2747- 2752, 2319 – 5592.
7. **Orthogonal Polarization Position Based MIMO Antenna For Wireless Applications**, B.Y.V.N.R Swamy, P. Siddaiah, Helix, 8(1) Dec. (2017) 2747- 2752, 2319 – 5592.

Department of Electricals and Electronics Engineering

8. **Islanding Detection For Inverter Based Distributed Generation With Low Frequency Current Harmonic Injection Through Q Controller And Rocof Analysis**, Harinadha Reddy Kadapa Ch.Rami Reddy, Eee, J.Electrical Systems, 14(2) (2018), 179-191, 1112-5209.



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Research & Development Cell

Department of Electronics and Instrumentation Engineering

9. **Spectroscopic studies of Dy³⁺ ion doped telluride glasses for solid state lasers and white LEDs**, V. Himamaheswara Rao, P. Syam Prasad, M. Mohan Babu, P. Venkateswara Rao, T. Satyanarayana, P. Syam Prasad, Spectrochimica Acta Part A: Molecular & Biomol. Spectroscopy, 188(5) (2018) 516-24, 1386-1425.
10. **Influence of molybdenum oxide on structural, optical and physical properties of oxychloride glasses for non-linear optical devices**, F.Goumeidane, M.Iezid, B.Melik, M. Poulain, T. Satyanarayana, P. Syam Prasad, P. Venkateswara Rao, Ceramics International, 43 (2017) 11305-11311, **0272-8842**.

Department of Mechanical Engineering

11. **An experimental study on the effect of nanoparticles with novel tamarind seed methyl ester for diesel engine applications**, V. Dhanaraju, P.S. Kishore, K. Nanthagopal, B. Ashok, Energy Conversion and Management 164, (2018), 655-666, **0196-8904**.

Scopus Papers - 20

AE-0, CE-2, CSE-2, ECE-5, EEE-5, EIE-0, ME-4, IT-2, FED-0, MBA-0, MCA-0, **Total-20**

Civil Engineering Department

1. **Analysis And Design of Seismic Framed Structures**, M.Satyanarayana, Journal of Advanced Research in Dynamical and Control System, 8, 2017, 200-204, 1943-023X.
2. **Strength And Durability Characteristics of Bacterial Motor**, M.Satyanarayana, Journal of Advanced Research in Dynamical and Control System, 8, 2017, 228-235, 1943-023X.

Department of Computer Science Engineering Department

3. **Modified Feature Extraction Using Viola Jones Algorithm**, V. Lakshmi Sarvani, P.M. Ashok Kumar, Journal of Advanced Research in Dynamical and Control System, 03, (2018), 528-538, 1943-023x.
4. **Multi Attribute Similarity Index Data Presentation for Uncertain Categorical Data**, D. Veeraiah, RPN Journal of Engineering and Applied Sciences , 13(9), (2018), 3023-30, 1819-6608.

Department of Electronics and Communication Engineering

5. **Performance of Capacity Improvement in Mb-Mf-Sic Detector Using Resource Allocation Approach**, B. Suneela, E.V.K.Krishna Rao, K. Sarat, K. Kotamaraju, Ch.Sri Kavya, Journal of Advanced Research in Dynamical and Control Systems, 10(7) (2018) 1461-69 (Special Issue), 1943-023X.
6. **An Efficient Method To increase the Network throughput using Interference Cancellation Approach**, B.SUNEELA, E.V.KRISHNA RAO, K.CH. SRI KAVYA, SARAT K. KOTAMRAJU,



7. **Analysis and Implementation of Fault Tolerant Parallel FFTS & IFFTS Using Parity SOS And ECC**, Afrozbanu Syed, K.Ranirudramma, International Journal of Applied Engineering Research (IJAER) , 12, (2017) 8316-8322, 0973-4562.
8. **A Comprehensive Technical Study on MST Radar Signals for Enhancement of SNR**, G. Venkataramaiah, A. NarendraBabu, Journal of Advanced Research in Dynamical and Control Systems, 9(6), 2017, 221-231, 1943-023X.
9. **Neural Network Approach for Energy Efficiency in Cellular System**, O. Mounika, A.NarendraBabu and K.Srinivasa Rao, International Journal of Pure and Applied Mathematics, 117 (18), (2017), 271-277, 1311-8080, 1314-3395.

Department of Electricals and Electronics Engineering

10. **Fuzzy autonym MFs to improve complex grid network security by fuzzy implication PSO algorithm for dealing of islanding ADCS mode**, K. Harinadha Reddy, S. Govinda Raju, International Journal of Systems, Control and Communications, 9(3), (2018), 230-254, 1755-9359.
11. **Islanding Detection Method for Inverter based Distributed Generation based on Combined Changes of ROCOAP And ROCORP**, Ch. Rami Reddy, K. Harinadha Reddy, International Journal of Pure and Applied Mathematics, 117 (19), (2017), 433-440, 1311-8080, 1314-3395.
12. **Matlab based simulation model of standalone DC microgrid for remote area power applications**, G Srinivasa Rao, K Harinadha Reddy, B Ravi Teja, B Devasahayam, ShaikKhaleel, International Journal of Engineering & Technology (UAE), 7(1) (2018), 0975-4024, 2227-524x.
13. **Simulation And Experimental Verification of Novel Multi Level Inverter with Minimum Number of Switches**, C.P.Sekhar, M.Umavani, PV Ramana Rao, International Journal of Advanced Research In Dynamical and Control Systems (JARDCS), 9(2), (2017), 1943-023x.
14. **Comparative Analysis of H-Bridge Multilevel Inverter Fed Induction Motor Drive with Minimum Number of Switches**, C.P. Sekhar, PV Ramana Rao, M.Umavani, International Journal of Pure and Applied Mathematics, 117(10), (2017), 75-78, 1311-8080, 1314-3395.

Department of Mechanical Engineering

15. **Effect of exhaust gas recirculation on performance and emission characteristics of a diesel engine fuelled with tamarind biodiesel**, V. Dhanaraju, P.S.Kishore, International Journal of Ambient Energy (T & F), Jan. (2018), 2162-8246. doi.org/10.1080/01430750.2017.1421579.



16. **Effect of fuel additives in Tamarind seed methyl esters Biodiesel fuelled diesel engine**, V. Dhanaraju, P.S.Kishore, International Journal of Mechanical Engineering and Technology, 9, (2018) 959-968, 0976-6340.
17. **Effect of Twin-Pin profile tool on the Microstructure and mechanical properties of friction stir welded Dissimilar AA2024 and AA6061 Aluminium Alloys**, Ch.Ratnam, B.Sudheer , Kumar,K.N.D.Malleswara Rao, International Journal of Mechanical Engineering and Technology, 9(3), (2018), 946–953, 0976-6340.
18. **Parametric optimization of EDM on Hastelloy C-276 using Taguchi L18 Technique**, ShaikKhadarBasha, MurahariKolli, M.V.Jagannadha Raju, International Journal Engineering and Technology (UAE), (2018), 1793-8236.

Information Technology

19. **Cloud Service Broker: Selection of Providers Using DTRFV Evaluation**, K. Anupriya, M. Sreelatha, Journal of Theoretical and Applied Information Technology, 95, (2017), 3551-3559, 1992-8645.
20. **Classification model using genetic algorithm with correlated BPNN based Artificial Intelligent System**, B.Srinivasa Rao, S.Naganjaneyulu, O.RamaDevi, B.RamaDevi, R.Vijay Kumar Reddy, Journal of Advanced Research in Dynamical and Control Systems, 8(7), (2018), 304-312, 1943-023x.

Scopus Conference Proceedings – 25

AE-0, CE-0, CSE-9, ECE-6, EEE-0, EIE-1, ME-9, IT-0, FED-0, MBA-0, MCA-0 Total-25.

Department of Computer Science Engineering Department

1. **Advanced Cyber Hiding Key Logging over Cyber Communication**, D. Veeraiah, D. Vasumathi, Computing and Network Sustainability, Conference paper, Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 12) Springer , 12 (2017) 243-51.
2. **Bubble-Net Hunting Strategy of Whales based Optimized feature selection for E-mail Classification**, Dr. Naga Raju Devarakonda, IEEE Xplore, 21-12-2017, 978-1-5090-4307-1.
3. **Clustering The Polymorphic Malware Traces**, A. Sarvani, B. Venugopal, D.Nagaraju, IEEE Conference-2017 International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET), 1(5), (2018), ISBN: 978-1-5090-3378-2.
4. **A New Parallel Metaheuristic Optimization Algorithm and It's Application in CDM**, Ravi Kumar Saidala, Dr. D. Naga Raju , IEEE Sponsored I2CT-2017, Proceedings of IEEE, 7th-9th April 2017, Pune, India.



Research & Development Cell

5. **Finger Vein Detection Using Gabor Filter and Region of Interest**, Saritha Reddy Venna, Suresh Thommandru, Ramesh Babu Inampudi, Cognitive Science and Artificial Intelligence, pp 55-65, 23-12-2017, 978-981-10-6697-9, Springer, Singapore.
6. **A Hybrid Approach For Privacy -Preserving Data Mining**, Dr.D.Nagaraju, International Conference On Advances In Computing And Data Sciences 2018. Springer, 2018, 978-981-13-1809-2.
7. **Proficient Energy Hole Prevention Scheduling in Wireless Networks**, G Balu Narasimha Rao , IEEE Xplore, 2018, 978-1-5090-5013-0.
8. **Cross-user level De-duplication using Distributive Soft Links**, Dr P M Ashok kumar, IEEE, 2018, 978-1-5386-0814-2.
9. **A Refined K-Means Technique to Find the Frequent Item Sets**, A.Sarvani, B. Venugopal, Nagaraju Devarakonda, Springer, Singapore, Cognitive Science and Artificial Intelligence. 23-12-2017, 978-981-10-6697-9

Department of Electronics and Communication Engineering

10. **Investigations on the Nitride Interface engineering at HfO₂/Ge stacks for MOS devices**, G.Venkata Rao, M.Kumar, T.V.Rajesh, D.V.RamaKoti Reddy,D.Anjaneyulu, B.Sainath, S.V.Jagadeesh , Chandra, Material today Proceedings- ELSEIVER, 5(1), (2018), 650-656, 2214-7853.
11. **Compact Design Of Hexagonal Monopole Antenna For Uwb Applications**, Pavani Kollamudi, M G Mahammed Rafi, GJESR, 2018, 2348 – 8034.
12. **Design and Implementation of Low power and High Performance Network Interface for 2×2 SDM based NoC**, Y Amar Babu, GMV Prasad, John Bedford Solomon, IEEE Xplore, 2017, 978-1-5090-4559-4.
13. **Design of Low-Power and High-Performance Network Interface for 2 × 2 SDM-Based NoC and Implementation on Spartan 6 FPGA**, Y. Amar Babu, G.M.V. Prasad, Springer, volume 564, Advances in Intelligent Systems and Computing book series 2017, 978-981-10-6875-1.
14. **Power Analysis and Implementation of Low-Power Design for Test Architecture for UltraSPARC Chip Multiprocessor**, John Bedford Soloman, D. Jackuline Moni, Y. Amar Babu, Springer, volume 564, Advances in Intelligent Systems and Computing book series 2017, 978-981-10-6875-1.
15. **Performance Analysis and Implementation of Highly Reconfigurable Modified SDM-Based NoC for MPSoC Platform on Spartan6 FPGA**, Y. Amar Babu, G.M.V. Prasad, Springer, 2017, 978-981-10-3373-5.



Department of Electronics and Instrumentation Engineering

16. **Performance Analysis of Reconfigurable Antenna with Notch Band Characteristics**, K. Pavani, **Microelectronics**, Electromagnetics and Telecommunications, Part of the Lecture Notes in Networks and Systems book series (LNNS, Volume 471) Springer, 471 (2018), 865-871.

Department of Mechanical Engineering

17. **Experimental studies on natural aspirated diesel engine Fuelled with corn seed oil methyl ester as a bio-diesel**, E.R.K. Reddy, V.Dhana Raju, IOP Conf. Series: Materials Science and Engineering, Vol. 330, (2018) 012104.
18. **Experimental study of electrical discharge machining of Inconel X-750 using Tungsten-copper electrode**, ShaikKhadarBasha, M.V.Jagannadha Raju, K. Murahari, Materials Today: Proceedings-ELSEVIER, 5, (2018), 6134-6148, 2214-7853.
19. **Three Dimensional Finite element analysis of thin hybrid FRP skew Laminates for thermo elastic behaviour of different Materials**, B.Susmitha, K.Durga, K.N.D.Malleswara Rao, K.V. Ravisankar, K. Narayana and Sp.KrishnaMithra, Materials Today: Proceedings-ELSEVIER, 5, (2018), 2214-7853.
20. **A CFD Investigation of Heat transfer Enhancement of shell and tube Heat exchanger using Al₂O₃-water Nanofluid**, K.Somasekhar, K.N.D.Malleswara Rao, V.Sankara Rao, Raffi Mohammed, M.Veerendra and T.Venkateswara Rao, Materials Today: Proceedings-ELSEVIER, 5, (2018), 4592-4600, 2214-7853.
21. **Optimization of Residual Stresses in Hard tuning of super alloy Inconel 718**, G. Kartheek, KollaSrinivas, Ch.Devraj, Materials Today: Proceedings-ELSEVIER, 8, (2017), 0976-6340.
22. **Some experimental studies on effect of exhaust –gas recirculation on performance and emission characteristics of a compression ignition engine fuelled with diesel and lemon – peel oil blends**, A.Naresh Kumar, K.Brahma Raju, P.Srinivas Kishore, K.Narayana, Materials Today: Proceedings-ELSEVIER, 5, 2018, 1194-1200, 2214-7853.
23. **Procuring Magnetic field to liquid channel of Nano lubricant (CuO&PAG oil) rigged VCR system by using R134a Refrigerant**, K.Dilip Kumar, Materials Today Processing and characterization, 5(9), Part 3, Elsevier, 2018, 2214-7853 .
24. **Engine Isolation angular mount with different types of Elastomers**, Sudheer Kumar battula, Materials Today Processing and characterization, 5(9), Part 3, Elsevier, 2018, 2214-7853 Elsevier, 2018, 2214-7853 .



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Research & Development Cell

25. **Influence of Heat Treatment on Mechanical and Micro Structural Properties of Titanium Alloys for Enhanced Applications**, K. Sai Sarathi, I. Dakshina Murthy, R. Subbarao, Ravi Gujjula, Materials Today Processing, 4(8), Elsevier, 2017, 2214-7854

UGC Papers - 21

AE-0, CE-0, CSE-0, ECE-15, EEE-0, EIE-1, ME-3, IT-1, FED-0, MBA-1, MCA-0 **Total-21.**

Department of Electronics and Communication Engineering

1. **Detection of Logo using Wavelet Transform Analysis and NN Classifier**, N.Anusha, G.Srinivasa Rao, A.Narendrababu, S.V. Jagadeesh Chandra, International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5(3), 2017, 2393-9028, 2348-2281.
2. **Lung Nodular Pattern For Interstitial Lung Diseases Using Neural Network Classification**, Y.Ramyanka, A. Narendrababu, S.V. Jagadeesh Chandra, G.Srinivasarao, International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5(3), 2017, 2393-9028, 2348-2281 .
3. **Location – Aware Relay Based Spectrum Accessing for Primary Users in Cognitive Radio of FDM Based Networks System With Power Equalization**, G.NagendrababuE.V.Krishna Rao, P.Rakesh Kumar , International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5(4), (2017), 2393-9028, 2348-2281 .
4. **Detection of Disease Using EEG Signal Based on PSO and NN Classifier**, S.V. Jagadeesh Chandra, A. Narendrababu, G.Srinivasarao, L.Jhansi, International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5(3), (2017), 2393-9028, 2348-2281 .
5. **Diabetic Retinopathy using Morphological Process and Hough Transform**, G.L.N.Murthy, D.Sirisha, International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5(3), (2017), 2393-9028, 2348-2281.
6. **Brainwave Sensor based Vehicle Attention tracking using Arduino**, V.V.Ramakrishna, M.Sindhura, International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5(3), (2017), 2393-9028, 2348-2281.
7. **Invisible Watermarking Technology using SVD for Copy Right Security Protection**, K.Sasibhushan, P.Rakeshkumar, R. Venugopalarao, International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5(3), (2017), 2393-9028, 2348-2281 .
8. **Brain Tumour Identification Using NN Classification By Wavelet Transform Method In MRI Images**, B. Siva Hari Prasad, Ch.Siva Naga Malleswary, International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5, 3,2017, 2393-9028, 2348-2281.



9. **Skin Lesion Classification Of MELONAMA Using ABCD Parameters By Contour Edge Detection**, P.Rakesh Kumar, G.Meenakshi, International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5,3,2017, 2393-9028, 2348-2281.
10. **Security of Integrated Circuits Physical Design in 45 NM Technology**, G. Venkata Rao, M.Vinod Kumar, International Journal of Research in Electronics and Computer Engineering (IJRECE) , 5,3,2017, 2393-9028, 2348-2281 .
11. **Advanced Testing Methods for Reversible Logic**, G. Vamsi Krishna, G.Srinivasa Rao, Y. Amar Babu, International Journal of Applied Engineering Research, 13, 7, 2018, 2926-2932, 0973-4562.
12. **An FPGA Implementation of Low Dynamic Power & Area Optimized 32-Bit Reversible ALU**, G. Vamsi Krishna, G.Srinivasa Rao, Y. Amar Babu, International Journal of Applied Engineering Research, 13, 5 ,2018, 2926-2932, 0973- 4562.
13. **A Novel Dynamic Scan Low Power Design for Testability Architecture for System-On-Chip Platform**, J.B. Solomon, D.J. Moni and Y. Amar Babu, International Journal of Applied Engineering Research, 13, 7,2018 pp. 5256- 5259, 0973-4562.
14. **Semi-Automated Fire control Robot using Android Application**, M.KrishnaSai , G.Manideep, K.Venkateswara Reddy , P.Hemanth, G.L.N.Murthy, International Journal of Research in Electronics and Computer Engineering, 6(1), (2018), 498-501, 2393-9028.
15. **Brain Tumor Segmentation using Evolutionary Computation Techniques in MRI Images**, T. Anilraju, International Journal of Research in Electronics And Computer Engineering, 6(1), (2018), 493-497, 2393-9028.

Department of Electronics and Instrumentation Engineering

16. **A MIMO system-Design Field**, Bikash Swain, R.A.Naik, International Journal of Scientific Research and Reviews (IJSRR), 7(1), (2018), 389-398, 2279–0543.

Department of Mechanical Engineering

17. **Fatigue and Wear Behaviour of Al-10Si-2.5Cu Alloys**, P.V.Chandrasekhar Rao, K.G.Basava Kumar, Indian Foundry Journal, , 64(4) (2018) 39-44.
18. **Green synthesis of Zinc oxide Nano particles using extracts of ocimumtenuiflorum and its characterization**, K.Dilip Kumar, K.Narayana, K.Appa Rao, Journal of Nanoscience, Nanoengineering& Applications, 8(1), (2018), 2321-5194.



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Research & Development Cell

19. **Design and development of seed sowing AGROBOT**, A.Nageswara Rao, S.Pichi Reddy, N.Raju, Journal of Emerging Technology and Innovation Research, 5(5) (2018), 783-787, 2349-5162.

Information Technology

20. **Hybridized Neural Network Training Algorithm For Heart Disease Detection by Reducing Features to Improve Accuracy**, B. Srinivasa Rao N. Gnaneswara Rao, T. Sravani, International Journal of Scientific Research And Review, 7, (2018), 269-316, 2279-543x

Management of Business Administration Department

21. **How good is employee welfare in Indian PSUs? Some empirical evidence**, Srinivas Lakkoju, VaniThamma, NirmalaDeepika, K.B., Management Today, 7 (4), 2017, 187-193, 2230-9764, 2348-3989

Open Access Journals– 170

AE-0, CE-1, CSE-17, ECE-45, EEE-21, EIE-5, ME-36, IT-6, FED-3, MBA-7, MCA-29 **Total-170.**

Civil Engineering Department

1. **A study on Ambient And Traffic Noise Pollution in Vijayawada, A.P, India**, V.Ramakrishna, D.Ashwini, MVN Durga, D.Vamsikrishna, T.Rankumar., International Journal of Current Research(IJCR), 9, 2017, 53943-53951, 0975- 833X.

Department of Computer Science Engineering Department

2. **Super Pixel Based Virtual Texture Mapping of Image Synthesis**, D. Veeraiah, T. LeelaSubhasri (M.Tech Student), International Journal of Advanced Research in Computer Science, 8, 2017, 773-781, 0976-5697.

3. **A novel approach for mining cluster data bases using fuzzy link analysis**, D. Veeraiah, D. Vasumathi, International Journal of Applied Engineering Research, 10(7): 18283-18298 · January (2015).

4. **Extracting the Frequent Item Sets by Using Greedy Strategy in Hadoop**, D. Veerendranath, M.Naveen Kumar, , IOSR Journal of Computer Engineering, 19, 2017,2278-0661.

5. **Hierarchical Attribute Based Revocable Data Access Control For Multi Authority Cloud Storage**, B. Sivaramakrishna, IOSR Journal of Computer Engineering, 19, 2017, 91-97, 2278-0661.

6. **Privacy-Preserving Data Mining with Random decision tree framework**, G.V.Rajya Lakshmi, IOSR Journal of Computer Engineering, 19, 2017, 43-49, 2278-0661.



7. **Real-time Big Data Analytics and parallel processing using Hadoop on Remote Sensing data**, A.Rajagopal, IOSR Journal of Computer Engineering, 19, 2017, 29-32, 2278-0661.
8. **On The Node Clone Detection Using Hashing In WSN**, L.V.KrishnaRao, IOSR Journal of Computer Engineering, 19, 2017, 68-73, 2278-0661.
9. **An Efficient General Decentralized Clustering Exploiting HierarchI**, K.NagaPrasanthi, IOSR Journal of Computer Engineering, 19, 2017, 50-55, 2278-0661.
10. **Secure Fair Rendez- Vous Point technique for minimizing meeting location on mobile device**, A.Sudhakar, IOSR Journal of Computer Engineering, 19, 2017, 19-24, 2278-0661.
11. **Opinion Mining on Twitter Data of Movie Reviews using**, G.V.Suresh, IOSR Journal of Computer Engineering, 19, 2017, 19-24, 2278-0661.
12. **An Efficient Data Transmission in Cluster-Based Wireless Sensor Networks by using Advanced LEACH and SET Protocols**, Dr.Ch. VenkataNarayana, IOSR Journal of Computer Engineering, 19, 2017, 61-67, 2278-0661.
13. **Pedestrian Detection by Using Random Decision Algorithm with Support Vector Machine**, M. Sribala, IOSR Journal of Computer Engineering, 19, 2017, 01-04, 2278-0661.
14. **Convergent Encryption Using Deduplication on Hybrid Cloud**, L.KranthiKuma, IOSR Journal of Computer Engineering, 19, 2017, 25-29, 2278-0661.
15. **A Collaborative Web Recommendation System Using Hidden MarkovMode**, T.V.Nagaraju, IOSR Journal of Computer Engineering, 19, 2017, 2278-0661.
16. **Bi-Secting K-Means Of Document Clustering For Forensic Analysis of Computer Inspection**, J.NageswaraRao, IOSR Journal of Computer Engineering, 19, 2017, 2278-0661.
17. **A Novel Multiple Geometric Features for Gender Classification**, Ashok Kumar P.M, Kavitha. D, International Journal of Pure and Applied Mathematics, Academic Publishers, 119 ,14 , 9-18, 2018 , 1314-3395.
18. **Super pixel based virtual texture mapping of image synthesis**, T.L. subhasri, Dr. D.Veeraiah, IOSR Journal of Computer Engineering (IOSR-JCE), 8, 7, 2017, 0976-5697.

Department of Electronics and Communication Engineering

19. **A Shared Multiplier For Effectual Area Of 1024 Point Fast Fourier Transform Processor**, B. Ramesh Reddy, P. Rakesh Kumar, B. Kranthisandhya, International Journal for Research in Applied Science and Engineering Technology (IJRASET), 5 , XI, 2017, 2321-9653.



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156. **A Semantic Way Of Metaphor Through Social Networks : Academics & Life-Style**, P. Satish Kumar, K.Phaneendra, Pendyala john Adinarayana, International Journal Of Merging Technology And Advanced Research In Computing, V, 22,2018, 1-8, 2320-1363.
157. **Self-Adjusting Networks In Distributed Environment Using Splay Net Algorithm**, M. Mahesh Babu, M.HemaLatha, International Journal Of Merging Technology And Advanced Research In Computing, V, 22,2018, 1-7, 2320-1363.
158. **Advanced Security in Cloud Computing**, P. Janaki, M.HemaLatha, International Journal of Research, 05, 5,2018, 439-444, 2348-795X.
159. **Efficient Processing Of Top-K-Dominating Queries On Incomplete Data**, T Siva Naga Raju, M.Hemalatha, International Journal Of Scientific Research In Computer Science, Engineering And Information Technology , 3 ,4 , 2018, 1148 – 1154, 2456-3307.
160. **Efficient Access Control for security of cloud storage systems using RNS Cryptography**, B.NVSK Gayatri, G.Rajendra, International Journal Of Scientific Research In Computer Science, Engineering And Information Technology, 3, 4, 2018, 403 – 407, 2456-3307.
161. **Work Flow Based Multi Site Aware Big Data Analytics in Cloud Environment**, P Srikanth Reddy, G.Rajendra, International Journal Of Merging Technology And Advanced Research In Computing, V, 22, 2018, 1-6, 2320-1363.
162. **Basic Prototype Analysis on Quality Prediction Methods to Software Systems**, G.Rajendra, Dr M Babu Reddy, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, 3, 2, 2018, 263-267, 2456-3307.



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163. **Application of Adaptive Neural Fuzzy Inference System for the prediction of software defects**, G.Rajendra, Dr M Babu Reddy, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, 3, 2, 2018, 263-267, 2456-3307.
164. **Scalable Skyline Computation Using Indexing Method with Partially Ordered Domains**, K. Srinadh, L Narendra, International Journal Of Merging Technology And Advanced Research In Computing, V, 22, 2018, 1-10, 320-1363.
165. **Enhanced Frequent Pattern Mining Using Eurstps**, R Krishna Kumari, L Narendra, International Journal Of Research , 05, 07,2018, 2286-2292, 2348-795X.
166. **Classification and Evaluation The Privacy Preserving Data Mining Using Anonymizing**, T Sowjanya, L Narendra, International Journal of Computers, Electrical and Advanced Communication Engineering, 1 13, 2018, 27-35, 2250-3129.
167. **Advanced Calculations For Incomplete Information Systems**, T. Jhansi Lakshmi, S Siva Rama , Krishna, International Journal of Research, 05, 15,2018, 439-444, 2348-795X.
168. **Implementing Product Recommendation System In Cold Start Situations Using Microblogging Information**, T. Prasanna Kumar Reddy, S Siva Rama Krishna , International Journal of Computers, Electrical and Advanced Communication Engineering, 1 ,13, 2018, 18-26, 2250-3129.
169. **Blockchain Technology and Security Issues and Challenges in Blockchain**, M.Mallikharjuna, Y Kranthi Kumar, International Journal Of Merging Technology And Advanced Research In Computing, V, 22,2018, 1-12, 2320-1363.
170. **Re-Ranking And Security in Cloud Computing**, Thota Sridevi, Y.Kranthi Kumar, International Journal of Research, 05, 15, 2018, 717-722, 2348-795X.

Details of Patents - 3

S.No.	Patent Title	Applicants	Patent No.	Published Date
1.	Pulse Voltage Trimming Method of Polymer Thick Film Resistors URL: http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_2587_1/Part-1.pdf	Dr. Y. Srinivasa Rao, Dr.Busi Rambabu, (EIE) Dr. K.V. Subrahmaniyam, Dr.B. Poornaiah.	201741017485A	23-02-2018
2.	Microwave Trimming of Polymer Thick Film Resistors URL: http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_1528_1/Part-1.pdf	Dr. Y. Srinivasa Rao, Dr.Busi Rambabu, (EIE) Dr. K.V. Subrahmaniyam, Dr.B. Poornaiah.	201741011994A	18-08-2017
3.	Intelligent Traffic Violation Detection System URL: http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_2607_1/Part_1.pdf	Dr.P.M. Ashok Kumar (CSE) Dr.K.Bhagavan Dr.N.Sree Ram Mrs.D.Kavitha Dr.D.RamBabu	201841012170A	27-04-2018



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Details of Sponsored Research

No. of Research Projects: 05

Details of Projects Completed- 01

S.No	Dept	PI/Co-PI	Project Title / Program	Funding Agency & Scheme	Duration	Total Amount Sanctioned in Lakhs	Month & Year of Sanction
1.	EIE	Dr T.Satyanarayana	Investigation on Zn, Sr, and Mg ions Doped Highly Bioactive Phosphate Glass Ceramics	SERB-Young Scientist	3 Years	15.00	Mar-2015

Details of Sanctioned/Ongoing Projects-04

S.No.	Dept.	PI/Co-PI	Project Title	Funding Agency & Scheme	Duration	Total Amount Sanctioned in Lakhs	Month & Year of Sanction
1.	ME	Dr. K. Appa Rao	Experimental Investigation on Homogeneous Change Compression Ignition Engine (HCCI)	UGC-MRP	2 Years	1.55	Mar-2018
2.	AE	Mr.IDakshina Murthy	Flow Characteristics of High-Speed Co-flow Jets	UGC-MRP	2 Years	4.30	Mar-2018
3.	MBA	Dr.L.Srinivas	A study on work-life balance of faculty in engineering colleges situated in Krishna District of Andhra Pradesh”	UGC-MRP	2 Years	1.70	Mar-2018
Other Grants							
4.	ME	Dr. K. Appa Rao	Modernization of thermal Engineering Laboratory	AICTE-MODROB	2 Years	12.50	Sep-2017



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Details of Supervisors & Scholars during the AY 2017-18

- i. No. of Recognized Research Supervisors : 21
- ii. No. of Scholars Pursuing Ph.D. : 47
- iii. No. of Scholars Awarded Ph.D. : 00

S.No	Name of the Supervisor	Dept.	Ph.D. Conferred Year	Year of Recognition as Supervisor	Recognized University	Name of Scholars	Year of Registration	Status	No. of Scholars
1	Dr. P. Lovaraju	ASE	2008	2009	JNTU-K	I. Dakshina Murthy	2016	Pursuing	4
						Kedaranath Mahapatro	2014	Pursuing	
						V. Mani Kumar	2014	Pursuing	
						K.B.V.Satya Prakash	2013	Pursuing	
2	Dr. Ch. V. Narayana	CSE	2014	2015	JNTU-K	V. Kishore Babu	09/02/2016	Pursuing	2
		CSE	2014	2015	JNTU-K	A Srirama Chandra Murthy	09/02/2016	Pursuing	
3	Dr. D. Veeraiah	CSE	2017	2018	JNTU-K	L.V.Krishna Rao	2018	Pursuing	1
4	Dr. A. Narendra Babu	ECE	2008	2017	JNTU-K	G. Venkata Ramanaiah	2017	Pursuing	1
5	Dr. E.V. Krishna Rao	ECE	Apr. 2007	2013	KLU	N. Ravi Kumar Reddy	2015	Pursuing	6
		ECE	Apr. 2007	2012	Kanchi Uni	Mr.K.Raja Rao	4 th Jan 2012	Pursuing	
		ECE	Apr. 2007	2013	KLU	B. Suneela Reddy	8 th Feb 2014	Pursuing	
		ECE	Apr. 2007	2008	JNTU-K	M. Ravindranath Tagore	2009	Pursuing	
		ECE	Apr. 2007	2008	JNTU-K	P. Ammi Reddy	2008	Pursuing	



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		ECE	Apr. 2007	2008	JNTU-H	J. Ravindra Babu	2008	Pursuing	
6	Dr. Y. Amar Babu	ECE	2018	2018	Annamalai	Smt. M. Ramya Harika	2018	Pursuing	1
7	Dr.K.Harinadha Reddy	EEE	2012	2014	JNTU-K	Ch. Rami Reddy	2015	Pursuing	3
				2014	JNTU-K	Ch. Amarendra	2015	Pursuing	
				2014	JNTU-K	Mr.S. Govinda Raju	2014	Pursuing	
8	Dr. M. Umavani	EEE	2012	2015	JNTU-K	Ms.N. Vanajakshi	2015	Pursuing	4
	Dr. M. Umavani					S.V.R. Lakshmi Kumari	2015	Pursuing	
	Dr. M. Umavani					Mr.P. Balanagu	2014	Pursuing	
	Dr. M. Umavani					M. Punya Sekhar	2014	Pursuing	
9	Dr. B. Poornaiah	EIE	2016	2018	Annamalai	P. Bhavya	2018	Pursuing	2
						B. Sandeep	2018	Pursuing	
10	Dr. B. Rambabu	EIE	2016	2018	Annamalai	V. Vineela	2018	Pursuing	1
11	Dr. T. Satyanarayana	EIE	2010	2018	Annamalai	M.B. Chakravarthi	2018	Pursuing	1
12	Dr.D. Naga Raju	IT	2014	2014	JNTU-K	Ravi kumar Saidala	2014	Pursuing	8
						Shaik Mahaboob Basha	2014	Pursuing	
						Home Prasanna Raju Y	2014	Pursuing	
						Dasaradha Raman Jalli	2014	Pursuing	
						Kishore Babu Dasari	2014	Pursuing	
						M.Rao Batchanaboyina	2014	Pursuing	
						Nalini Sri Mallela	2014	Pursuing	
						Srinivasa Rao Pokuri	2014	Pursuing	
13	Dr.S. Naganjaneyulu	IT	2014	2016	JNTU-K	Katru Rama Rao	2016	Pursuing	2
						Kalva Sudhakar	2016	Pursuing	



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14	Dr. A.Adishesha Reddy	MBA	2013	2013	KLU	G.Srinivasu Raju	2012	Pursuing	1
15	Dr.T. Rajasekhar	MBA	2007	2011	JNTU-K	N.A.	N.A.	N.A.	0
16	Dr. K. Appa Rao	Mech	2013	2016	JNTU-K	Anil Kimar Chintalapudi	2016	Pursuing	1
17	Dr.K.Dilip Kumar	Mech	2014	2016	JNTU-K	Tejomurthi Pinjala	2016	Pursuing	1
18	Dr.K.Murahari	Mech	2016	2016	KLU	G.Siva Prasad	2017	Pursuing	4
				2016	KLU	Sunappu Chandrasekar Reddy	2017	Pursuing	
				2016	KLU	Ram Swaroop Singh	2016	Pursuing	
				2016	KLU	Inovath Srinivsa Naik	2016	Pursuing	
19	Dr.P.V.Chandra Sekhar Rao	Mech	2013	2016	JNTU-K	K.Narayana	2019	Pursuing	2
				2016	JNTU-K	Sumalatha Chatragada	2016	Pursuing	
20	Dr.P.Vijay Kumar	Mech	2012	2016	JNTU-K	P.Venkata Ramana	2016	Pursuing	1
21	Dr.S.Pichi Reddy	Mech	2012	2016	JNTU-K	Gopi Chand Dirisenapu	2016	Pursuing	1



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Details of Ph.D. Guided Successfully-00

S.No.	Details of Faculty	Acted as	Scholar Name	Awarding University	Date of Awarding
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Details of Books/Chapters-07

S. No.	Authors	Title of the Book	Publisher	Published Year	ISBN
1.	Dr.Rambabu Busi, (EIE) Dr.Y. Srinivasa Rao, Dr.T.Satyanarayana	Universal Trimming of Polymer Thick Film Resistors	Lambert Academic Publishing, Germany	2017	978-62-020- 0644-6
2.	Dr.S.V.J. Chandra (ECE) Mr.M.Kumar Dr.Ch.V.V.Ramana	Zirconium doped tantalum oxide high-k dielectric films for MOS devices CMOS design	Lambert Academic Publishing, Germany	2018	978-3-330- 34684-0
3.	Dr.J.Sivavara Prasad (EEE) Dr.Y.P.Obulesu	FPGA Controlled Five- Level Soft Switching Isolated DC-DC Converter	Lambert Academic Publishing, Germany	2017	978-62-020- 2812-7
4.	Dr.J.Sivavara Prasad (EEE), Dr.Y.P.Obulesu, Dr.Ch.SaiBabu	Regulated Multiple Output Two-Level Isolated DC-DC Converter Topologies	Lambert Academic Publishing, Germany	2017	978-62-020- 2731-1
5.	Dr.V.V.Narsi Reddy (MBA)	Human Resources Development-an in depth study.	Astha publishers and Distributors,	2018	978-93-85330- 17-9
6.	Dr.T.Sambasiva Rao, (FED) Dr. M. Doraswamy mar	Print to Digital: A Paradigm Shift in Resources and Services in Engineering College Libraries	BS Publications, Hyderabad	2017	978-93-5230- 125-6
7.	Dr. M.V. Sudhakar (ECE)	Design of Optical Fiber Systems Using Optical Filters	Lambert Academic Publisher	2017	978-620-2- 02320-7



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Details of Research Events Organized-05.

S.No	Topic	Resource Person	Date & Venue
1	Funding Avenues for Research and Development	Dr. P. Krishna Kanth, Scientist C, DST, New Delhi.	4th May, 2018 Venue: Lotus hall at Administration Building.
2	How to Publish Research Papers in reputed SCI Journals	Dr.Swagatham Das Assoc. Professor, Indian Statistical Institute, Calcutta.	26th April, 2018 Venue: Lotus hall at Administration Building.
3	A Guest Lecture on “VIDHYA”	Dr.S.Karuna Nidhi Scientist H, DRDO,Hyderabad	3rd March, 2018 Venue: Lotus hall at Administration Building.
4	Need of Academic Research in Technical Institutions	Dr.M.Ramamoorthy Former Director General, CPRI, Bangalore, R&D Advisor t	23rd Feb, 2018 Venue: Lotus hall at Administration Building.
5	IPR - Patent Filing	Mr Raghava Sripathi Examiner of Patents & Designs, Group-A Gazetted, Intellectual Property Office, Chennai.	30th Dec, 2017 Venue: Lotus hall at Administration Building.

Dean R&D