

Department of Bio-Medical Engineering

1. Recent Publications:

1. O.M.Sumathi, Malini Mudigonda presented a paper titled "Wireless Data Acquisition System for Multi-patient Vital Sign Monitoring In Intensive Care Unit", in IEEE International Conference on Innovative Technologies in Engineering 2018(ICITE OU) during 11th - 13th April, 2018.
2. Harish Kuchulakanti, Mohammad Ibrahim, Rayikanti Tejashwini, Bathula Thejaswi presented a paper titled "Quantification of RBCs and WBCs using image processing techniques", in IEEE International Conference on Innovative Technologies in Engineering 2018(ICITE OU) during 11th - 13th April, 2018.
3. Mr. D.Suman and students from NIT Rourkela presented a Paper titled "Implementation of an Arrhythmia Detection Scheme with Cellular based alert Frame Work", in IEEE-CALCON.
4. Mr. D.Suman and students from NIT Rourkela presented a paper titled "Performance evaluation of different denoising techniques for Physiological signals", in 14th IEEE-IINDICON Conference in December 2017 held at IIT- Rourkela.
5. Mr. M. Venkateswara Rao and ME Student published a paper titled "Real Time Detection of R Peak in QRS Complex of ECG using Micro Controller", in Indonesia Journal of Electrical Engineering and Computer Science.
6. Mr. M. Venkateswara Rao and ME Students published a paper "Oral-feeding evaluation system for preterm infants"; in International Advanced Research Journal in Science, Engineering and Technology (IARJSET), ISSN (online) 2393-8021, ISSN (print) 2394-1588, Vol.4, Issue 1, January 2017
7. Mr. M. Venkateswara Rao and ME Students published a paper titled "Gait Analysis"; in International Journal of Computing, Communication & Instrumentation Engineering (IJCCIE) Vol. 4, Issue 1 (2017) ISSN 2349-1469 EISSN 2349-1477.

2. Conferences/Workshops/Seminars/Guest Lecturers Organized:

1. An International Conference on Innovative Technologies in Engineering (ICITE 2018) was organized along with Computer Science Engineering, Electronics and Communication Engineering and Electrical Engineering departments during 11th – 13th April, 2018 in association with IEEE Hyderabad Section and VSSUT, Burla sponsored by TEQIP-III.
2. Invited Talk by Mr. Deependra Gangakhedkar, Founder, Mediant group LLC, USA on "Biomedical Imaging: A Techno Commercial Perspective" was delivered in ICITE 2018.
3. Dr. Arvind Kumar Rengan, Asst. Prof. IITH delivered an Invited Talk on "Cancer Theranostics -Role of Organo-Inorganic hybrid Nanosystems" in ICITE 2018.
4. Dr. Chittarajan Patra Principal Scientist, IICT, Hyderabad delivered Invited talk on "Zinc Oxide Nano particles: A promising Nanomedicine for future Therapy" in ICITE 2018.
5. Dr. Narendra Babu and Dr. K. Satyanarayana conducted a workshop on "Awareness of Entrepreneurship to Promote Startups in Biomedical Engineering"
6. The Department organized a Blood Donation Camp for Thalassemia Patients in collaboration with Thalassemia and Sickle Cell Society, Hyderabad and 75 Units of Blood was donated on 28th January, 2018.

7. The Department organized a Cancer Awareness Walk on February 4th, 2018, in view of world Cancer Day.

3. Technical Symposia-Meditech-2018:

The students of the Department have organized the National Level Technical Symposium MEDITECH 2018 during 9th & 10th March, 2017. The Chief Guest was Akunuri Murali, IAS, SERP. The chief Sponsors were Fission Labs, SBH, Alliance Medical Systems, Continental Hospitals and Green Apple, KIMS Hospitals, Care Hospitals.

Department of Civil Engineering

1. List of Publications in International Journals by Faculty:

Faculty Name	Paper Title	Journal Name	Volume No. & Year
Prof. M. Gopal Naik (Head)	Hydrological Modeling of Musi River Basin India and Sensitive Parameterization of Stream Flow using SWAT CUP model	Journal of Hydrogeology and Hydraulic Engineering (JHHE)	Vol. 6(2),Pp.1-10, 2017
	Hydrological Modeling of Musi River Basin and Impact Assessment of Land Use Change on Urban Runoff	International Journal of Engineering Research and Technology (IJERT)	July, 2017, Vol. 6(7),Pp.305-312
	Useful Life of a Reservoir and its Dependency on Watershed Activities	Journal of Agricultural Research and Technology	Vol.8 (5), Pp.01-09. July,2017
Prof. M. Kumar	Examining crash variable based on collision type for predicting crash severity on urban highways	International Journal of Traffic and Transport Engineering	Vol. 7(3); pp:381 – 390 (2017)

	Evaluation of delay characteristics at signalized Intersections for improvement in level of service		Vol. 8(3); pp:309 (2018)
	A Laboratory Investigation on Rutting Characteristics of HMA & WMA Mixes when Reinforced with Fibers	Journal of the Eastern Asia Society for Transportation Studies	Vol. 11 (2017)
	Road Side Interview (RSI) Technique for Calculation of Traffic Growth Rates at Micro Level		Vol. 12, (2017)
	A study on influence of shape of aggregate on strength and quality of concrete for buildings and pavements	International Journal for Advanced Materials Research	Vol. 941-944 pp766-779, (2017)
Prof. V. Bhikshma	An Experimental Investigation on Flexural Behaviour of Natural and Recycled Aggregate Concrete Beams Using Recron 3-S Fibers	International Journal of Emerging Technology and Advanced Engineering	Volume 7, Issue 11, November 2017
	Development of M40 Grade Recycled Aggregate Concrete by Replacing 100% Virgin Aggregates With Recycled Aggregates and Partial Replacement of Mineral Admixtures	International Journal of Engineering Research and Application	Vol. 8, Issue3, (Part -V) March 2018, pp.27-32
Prof. M. A. Prasad	Identification of Critical Erosion Prone Areas and Computation of Sediment Yield Using Remote Sensing and GIS: A	J. Inst. Eng. India Ser. A	Springer

	Case Study on Sarada River Basin		
	Temperature Projections from GCMs Using Quantile Remapping Method	International Journal of Applied Engineering Research	Volume 13, Number 11 (2018) pp. 8922- 8924
	Reservoir Operation Model for Hyderabad Water Supply System	International Journal of Emerging Technology and Advanced Engineering	Volume 3, Issue 6 Pp 950-956 Impact factor: 4.295
	Reservoir Operation of Hyderabad Water Supply System		Volume 7, Special Issue 2, Dec. 2017 Pp 579-582
	ANFIS Model for Reservoir Operation	International Journal of Emerging Technology and Advanced Engineering	Volume 8, Special Issue 5, May 2018 Pp 218-225
	Water Distribution Network Model Using EPANET		Volume 8, Special Issue 5, May 2018 Pp 226-229
Prof. K. L. Radhika	Contractors Critical Factors Influencing Project Success: A Case of Indian Construction		Vol 5, Issue XI, November 2017, pg. 1803-1808
	Factors Effecting Cost Estimation: A Case Study from Yemen Construction Projects	International Journal for Research in Applied Science & Engineering Technology	Volume 6, Issue II, Feb 2018
	Dynamic Analysis of a Tall Chimney		Volume 6, Issue II, Feb 2018
	Strength and Durability of Self Curing Concrete using Recycled Aggregates		Volume 6, Issue III, March 2018, pg. 1274-1280
	Strength and Durability of		Volume 6, Issue

	Self Curing Concrete using Recycled Aggregates		II, April 2018, pg. 144-154
	Project Success Analysis of Contractor Organization Attributes using Regression Model	International Journal of Emerging Technology and Advanced Engineering	Volume 8, Special Issue 5, May 2018, pg. 249-253
	Factors Effecting Cost Estimation: A Case Study from Yemen Construction Projects		Volume 8, Special Issue 5, May 2018, pg. 115-122
Prof. K. L. Radhika & Mrs. P. Anuradha	Study on Strength Characteristics of Fly-GGBS Based Geopolymer Concrete using Crusher stone dust as Fine Aggregates	International Journal of Emerging Technology and Advanced Engineering	Vol 07, Issue 2, December 2017, pg. 487-493
	Effect of Slope Combination on Dynamic Analysis of RCC Chimney		Volume 8, Special Issue 5, May 2018, pg. 157-163
Dr. D. Rupesh Kumar	“A Study on Retrofitting of RCC Industrial Building, pp. 105-114.	International Journal of Research in Engineering and Technology	V. 08, Special Issue 05, May 2018, (UGC S.No. 1, J.No. 49004)
	“A Study on Skew Effect of Prestressed Concrete Bridges, pp. 187-194.		
	“Shape Optimization of PVNR Expressway and Muslim Jung Parallel Bridge Piers pp. 1-10.		V. 07, Special Issue 02, December 2017, (UGC S.No. 1, J.No. 49004)
	“Structural Shape Optimization – Part 1: Weight and Strain Energy		

	<p>Minimizations,” pp. 11-18.</p> <p>“Structural Shape Optimization – Part 2: Stress Leveling, and Weight and Strain Energy Minimizations,” pp. 19-26.</p> <p>. “A Study on Shear Strengthening of Reinforced Concrete Beams,” pp. 27-35.</p> <p>“A Study on Mechanical Properties of Unprocessed Crushed Stone Aggregate Concrete,” pp. 36-40.</p> <p>“Mechanical Properties of Concrete Using Manufactured Sand,” pp. 173-179.</p> <p>“Study on Mechanical Properties of Binary Blended Recycled Aggregate Concrete Using Rice Husk Ash,” pp. 236-240.</p> <p>“Strength Characteristics of Fly Ash Concrete with same Workability,” pp. 53-56.</p>		
Dr. M. V. S. Sreedhar	Model studies on the Effect of Cavity on Bearing Capacity of a Shallow Foundation	International Journal of Emerging Technology and Advanced Engineering	Vol.7, Special Issue 2, Dec-2017. (Pp.583-587).

	Laboratory Investigations on Carrying Capacity of Piles in Ash Ponds		Vol.7, Special Issue 2, Dec-2017. (pp.588-591)
	Influence of Plastic Fines on Compaction and Shear Strength Characteristics of Soil Mixtures	Australian Journal of Engineering and Technology Research	Vol.2, Issue 2 - 2017, (pp.15-34)
	Influence of Plastic Fines on Compaction and CBR Characteristics of Soil Mixtures	International Journal of Engineering Research & Technology,	Vol.6, Issue 07, July-2017, (pp. 233-239)
Dr. D. Rajashekar Reddy	Evaluation of rutting potential of asphalts using resilient modulus test parameters	Road Materials and Pavement design (Taylor & Francis)	August 2017
	Planning of Cross-Pedestrian facilities in urban areas	International Journal of Emerging Technology & Advance Engineering	Volume 7 Issue 12 Dec 2017
	Evaluation of the effect of aggregate gradation & binder parameters on Bituminous Mix Rutting		Volume 8 Spl. Issue 05 May 2018
	Capacity analysis of Roundabout	International Journal of Advance Research in Science & Engineering	Volume 6 Spl. Issue 01 Dec 2017
	Improvement of Sub-grade material using additives		
	Impacts of Roadway Traffic and man-made features on Road safety		
	Geometric design consistency & its relation to safety on outer ring road		

Faculty Name	Paper Title	Journal Name	Volume No. & Year
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	Soil Stabilization and design of Flexible pavements using IRC:37-2012	Journal of Emerging Technologies and Innovative research	Volume 5 Issue 02 Feb 2018
Mrs. D. Annapurna	Evaluation of mechanical properties of Fly ash and GGBS based Geopolymer concrete	Journal of Emerging Technologies and Innovative Research	December 2017, Volume 4, Issue 12
	Development of Artificial Neural Network Model for Geopolymer Concrete	International Journal of Emerging Technology and Advanced Engineering	Volume 8, Special Issue 5, May 2018
	Influence of Calcium Content on Micro Structure of Geopolymer Mortar		Volume 7, Special Issue 2, December 2017
	Experimental Investigation on Volcanic Ash – Based Geopolymer Concrete	International Journal of Engineering Technology Science and Research	Volume 5, Issue 1 January 2018
Mrs. S. Prasanna	Multi Criteria Decision Analysis for Optimal Selection of Supplier Selection in Construction Industry – A Case Study	International Journal of Engineering Technology Science and Research	Volume – 5, Issue – 1, Jan-2018

2. List of Publications in National Journals Faculty:

Prof. M. Kumar	Modeling of pedestrian gap in perspective of land use pattern at Midblock location in urban cities	i- Mangers Journal on Civil Engineering	Vol. 7 (1) pp:37 – 44 (2017)
	Identification of Black Spot Location for Providing Improvement Measures on Selected Stretch of National Highway in Hyderabad.		Vol. 7(3); pp:15 – 24 (2017)
	Assessment of Air Pollution Levels in Urban Area Under Heterogeneous Traffic Condition- A Case Study		Vol. 8 No 1 (2018)
	Effect of Polypropylene Granules in Asphalt Mix Prepared with varying Packing Characteristics	Highway Research Journal, IRC, India	Vol. 9(1); pp:13-20 (2018)
	Development of Model For Pedestrian Gap Based On Land Use Pattern At Midblock Location And Estimation of Delay At Intersections	Journal of The Institution of Engineers (India)	Vol. pp:1-10 (2018)
	A Review of Traffic Calming Measures	Indian Journal of Scientific Research	Vol. 17 (2) pp:93-99 (2018)
Prof. K. L. Radhika	Optimization of mix proportioning for Self Compacting Concretes using Particle Packing theories	Indian Concrete Journal	Vol913, April 2017 No.4, Pg 20-31
Dr. R. Srinivasa Kumar	Roughness Evaluation of Flexible Pavements Using Merlin and Total Station Equipment	Journal on Civil Engineering	Dec-Feb 2018 Vol (8), Issue No. : 1
	Development of Vehicle Tailpipe Emission Models Based on Road Roughness		Sep-Nov 2017 Vol (7) Issue No. : 4

Mrs. D. Annapurna	Experimental and analytical studies on flexural behavior of Geopolymer concrete	The Indian Concrete Journal	Dec 2017, Vol.91, No.12, pp 45-50.
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3. List of Publications in International Conferences by Faculty:

Faculty Name	Paper Title	Conference Name	Volume No. & Year
Prof. M. Gopal Naik (Head)	Case Study on Impact of land use Change on Urban Runoff with Hydrological Modelling of Musi River basin, India	Proc. HYDRO-2017 International	21 st -23 rd December, 2017
	Simulation of Trap Efficiency for Sriramsagar Reservoir using Artificial Neural Network Techniques	eProc. of 37 th IAHR World Congress	13 th -18 th August, 2017
Prof. M. Kumar	The Effect of Using Acid Modified Mixes on Performance of Asphalt Concrete	4 th Conference of Transportation Research Group of India (CTRG)	17-20 December, 2017
	An Impact of Automatic Toll Collection on Outer Ring Road using Intelligent Transportation System		
	A Review of Traffic Calming Measures	2 nd International Conference on Recent Innovations in Engineering & Technology	21-22 December, 2017
	Experimental Study on Geocell and of Fiber Reinforced Soil Sub-Grade under Static	International Symposium on Geotechniques of	April 07 -08, 2018 at IIT Delhi

	and Repetitive Load	Transportation Infrastructure on.	
Prof. V. Bhikshma	Stress Strain Behavior of fly ash based Geo- Polymer Concrete with addition of GGBS	International Conference on Innovations in Structural Engineering	Dec 2017
	Development of High strength Recycled Aggregate Concrete mixes		
	Experimental Investigation on Mechanical properties of high strength Geo polymer concrete		
	Experimental study on flexural behavior of high strength Geo polymer concrete		
	Experimental Investigation on strength properties of Recycled aggregate concrete		
	Mechanical properties of the concrete using manufactured sand		
Prof. K. L. Radhika & Mrs. P. Anuradha	Study on Strength Characteristics of Fly Ash – GGBS based Geopolymer Concrete using Crusher Stone Dust a Fine Aggregates	International Conference on Innovations in Structural Engineering	pg 493-498
Dr. M. V. S. Sreedhar	Laboratory Evaluation of Erosion Control Using Coir Geoproducts	IGC-2017 organized by IIT, Guwahati	14-16, December-2017, pp.1-4.
	Model Studies on the Effect of Cavity on Bearing Capacity of a Shallow Foundation	International Conference on Innovations in Structural Engineering	28-31, Dec-2017, pp. 563-565.
	Laboratory Investigations on Carrying Capacity of Piles in		

	Ash Ponds		
Dr. D. Rupesh Kumar	Shape Optimization of PVNR Expressway and Muslim Jung Parallel Bridge Piers	International Conference on Innovations in Structural Engineering, IC-ISE-2017, ISBN: 978 93 86724 33 5, Hyderabad, India	29-31 December 2017,
	“Structural Shape Optimization – Part 1: Weight and Strain Energy Minimizations,”		
	“Structural Shape Optimization – Part 2: Stress Leveling, and Weight and Strain Energy Minimizations,”		
	. “A Study on Shear Strengthening of Reinforced Concrete Beams,”		
	“A Study on Mechanical Properties of Unprocessed Crushed Stone Aggregate Concrete,”		
	“Mechanical Properties of Concrete Using Manufactured Sand,”		
	, “Study on Mechanical Properties of Binary Blended Recycled Aggregate Concrete Using Rice Husk Ash,”		
Mrs. D. Annapurna	Analytical Modelling of Geopolymer Concrete Using ANSYS Software	62 nd Congress of Indian Society of Theoretical and Applied Mechanics	Dec. 15-18, 2017
Mrs. S. Prasanna	Cost Comparison Analysis for Water Distribution Network System – A Case Study	62 nd Congress of Indian Society of Theoretical and Applied Mechanics	Dec, 2017

	Multi Criteria Decision Analysis for Optimal Selection of Supplier Selection in Construction Industry – A Case Study	Advancement in Engineering, Applied Science and Management	7 th Jan, 2018
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4. List of Publications in National Conferences by Faculty:

Faculty Name	Paper Title	Conference Name	Volume No. & Year
Prof. V. Bhikshma	Mix proportions of high strength geopolymer concrete	RTSE, Organized by Methodist Engg College	2017
	Development of Mathematical model for Geopolymer concrete	NCACACE	2018
Prof. M. A. Prasad	Mathematical Models in Hydrology and Water Resources Engineering	5th National Conference on Water, Environment & Society (NCWES - 2018)	4-6 June 2018, PP 115-122
Prof. K. L. Radhika	A Comparative Study on Seismic Analysis of Irregular Framed Structure with Bare Frame, Open Ground Storey and Infilled Frame	2-day National Conference on Advanced Computing Applications in Civil Engineering	pg 201- 215
	Project Success Analysis of Contractor Organization Attributes using Regression Model		pg 287- 292
	Factors Effecting Cost Estimation: A Case Study from Yemen Construction Projects		pg 293- 300
Prof. K. L. Radhika, & Mrs. P. Anuradha	Effect of Slope Combination on Dynamic Analysis of RCC Chimney		pg 187- 192

Dr. D. Rupesh Kumar	“A Study on Retrofitting of RCC Industrial Building,”	Proceedings of National Conference on Advanced Computing Applications in Civil Engineering, ACACE-2018, Hyderabad, India, ISBN: 978 93 87593 22 0,	20-21 April 2018
	“A Study on Skew Effect of Prestressed Concrete Bridges,”		
Mrs. S. Prasanna	Numerical Simulation of Francis Turbine Using Computational Fluid Dynamics - CFX	Sustainable Water and Environmental Management (SWEM-2017)	21 st – 23 rd Dec, 2017
	A Comparative Study of Different Contractor Selection Methods	Advanced Computing Applications in Civil Engineering	April, 2018

Department of Computer Science and Engineering

Prof.K.Shyamala

1. Prof.K.Shyamala, Mrs.Humera Shaziya and Raniah Zaheer, “ Design and Implementation of ConvNet for Handwritten Digits Classification on Graphical Processing Unit” International Conference on Communication and Signal Processing, April 3-5, 2018, INDIA
2. Prof.K.Shyamala, Mrs.Humera Shaziya and Raniah Zaheer, “ Automatic Lung Segmentation on Thoracic CT Scans Using U-Net Convolution Network” International Conference on Communication and Signal Processing, April 3-5, 2018, INDIA

Prof.S.Ramachandram

3. Harsoor, Bharati and Ramachandram, S “Single Phase Reliable Timeout Based Commit Protocol”, GSTF Journal on Computing (JOC), volume={1}, number={4}, 2018.

4. Mallaiah, Kurra and Pande, Prateek and Ramachandram, S “A novel proximity based searchable encryption scheme using referential dissimilarity”, International Conference on Inventive Systems and Control (ICISC), 2017.
5. Srivani, P., Ramachandram, S. and Sridevi, R., “A survey on client side and server side approaches to secure web applications”, International conference of Electronics, Communication and Aerospace Technology (ICECA), 2017.
6. S Pelluri, R Sirandas - Energy Saving in Cloud by Using Enhanced Instance Based Learning (EIBL) for Resource Prediction - Sustainable Cloud and Energy Services, 2018
7. P Srivani, S Ramachandram, R Sridevi- Experimetal Results On Multi-Key Searchable Encryption Technique With Different Elliptic Curves and APP Designing.- Journal of Theoretical & Applied Information Technology, 2017
8. GM Kumar, S Ramachandram, J Gyani - Parameterized Reliable Trust Model in Grid Computing using Regression - International Journal of Advanced Research in Computer Science, 2017
9. Srinivasa Reddy, K. and Ramachandram, S. (in press) “Cryptographic key management scheme for supporting multi-user SQL queries over encrypted databases”, International Journal of Computer Aided Engineering and Technology, 2018.

Prof S. Sameen Fatima

10. Dr. S Padmaja, Prof. S Sameen Fatima, Mr. Sasidhar Bandu, “Textual Analysis of Big Data with Object Knowledge Model: A Knowledge Representation framework”, Visleshana, Vol. 2 No. 2, January - March 2018.
11. Dr. Padmaja S, Prof. Sameen Fatima S, Sasidhar B, “Associating News Articles to Identify the Scope of Negation and Sentiments of Public Opinion”, EECCMC, 28-29 Jan 2018.
12. Dr. Sridevi Tumula, Prof. S. Sameen Fatima, “Probabilistic Graphical Models for Medical Image Mining Challenges of New Generation”, Knowledge Computing and its Applications, ISBN: 978-981-10-8258-0, 2018.
13. Firdous Hussaini, Padmaja S and S. Sameen Fatima, “Score-based Sentiment Analysis of Book Reviews in Hindi Language”, 3-4 Nov, regICON 2017.
14. Smita, Prof. S Sameen Fatima, “Topical and Trust Based Page Ranking Using Automatic Seed Selection”, IEEE 7th International Advanced Computing Conference (IACC 2017), 5-7, Jan 2017.
15. D. Fatima, Prof. Sameen Fatima, Dr. A. V. Krishna Prasad “Integrating weka into Web Application: Predicting Student's Performance”, International Journal of Engineering Research and Applications, vol 2 Issue 12, December 2017.
16. R Krishnan, S Sameen Fatima, authored a chapter titled “Future of Artificial Intelligence” in the Book titled “Insights on Global Challenges and Opportunities for the Century Ahead”, B S Publications, 2017.
17. Dr. S Padmaja, Prof. S Sameen Fatima, B Sasidhar, Vaibhav S L, “Extracting greater semantics from texts with Object Knowledge Model”, IEEE International Conference on Innovative Technologies in Engineering 2018, 11-13 April 2018

Dr P V Sudha

18. Dr P V Sudha authored a chapter titled “Energy Saving in Cloud by Using Enhanced Instance Based Learning (EIBL) for Resource Prediction” in the book titled " Sustainable Cloud and Energy Services: Principles and Practice " Springer International Publishers, 2016.
19. Dr. P V Sudha “Resource Requirements in Cloud environments” International Conference on Emerging Trends in Engineering, Science & technologies, ICETEST, March 2017.
20. Dr. P V Sudha, “Energy Optimization at Cloud Data Centre Using SDN” IJETT- Special Issue, Vol.2, April 2017. Pg.278 – pg. 283 I.F-2.88

V. Sukanya

21. E. Vishnu Priya Reddy, V.Sukanya, Abhinava Vinay Kumar M, Anil Kumar M “A Study on effective approach of Science Teaching by IOT Smart Classroom” International Journal of Research Culture Society Volume 2, Issue 3, March-2018.
22. E. Vishnu Priya Reddy, V.Sukanya, Abhinava Vinay Kumar M, Anil Kumar M “A Study on Expandable latest software feature in bundling of latest hardware with earlier software” International Journal of Scientific Research in Science and Technology Volume 4, Issue 5, March-2018.

L. K. Suresh Kumar

23. Mr.L.K.Suresh Kumar has presented a IJERP paper entitled “A Survey on Algorithms Solving ECDLP (Elliptic Curve Discrete Log Problem)” at International Conference on Internet of Things for Future Smart Cities (ICIOTSC-2017) organized by GIST&IERP on 21st – 22nd July, 2017, Nellore
24. Mr.L.K.Suresh Kumar has presented a IEEE paper entitled “Comparative Study of LEACH and EECDA Protocols” at International Conference on Power, Control, Signals & Instrumentation Engineering (ICPCSI) - 2017 organized by Saveetha Engineering College, Thandalam, Chennai, Tamil Nadu, India on 21st – 22nd September, 2017
25. Mr.L.K.Suresh Kumar has presented a IEEE paper entitled “Localized Encryption and Authentication Protocol (LEAP) to Prevent Injection of Malicious Nodes in a Wireless Sensor Network (WSN)” at Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM) IEEE, New Delhi 12th INDIACOM; 2018 5th International Conference on Computing for Sustainable Global Development on 14 – 16th March, 2018
26. Mr.L.K.Suresh Kumar has presented a IEEE paper entitled “Credit Card Fraud Prevention for Financial Institutions : Use of Anomaly Detection Method” at Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM) IEEE, New Delhi 12th

INDIACom; 2018 5th International Conference on Computing for Sustainable Global Development on 14 – 16th March, 2018

27. Mr.L.K.Suresh Kumar has presented a paper entitled “Comparative Study of Cluster Based Data Aggregation Protocols” at International Conference on Trends in Engineering, Management, Pharmacy & Sciences (ICTEMPS-2018) on 21st April, 2018, GCET, Cheeryala(V), Keesara (M), Hyderabad.

1. Conferences/Workshops Organized:

1. A Ten day GIAN course on “BIG Data Analysis for Humanitarians Causes” during 27th November to 5th December 2017
2. A Two-day Workshop on “Mathematics for Researchers in Cryptography”, 17th-19th July 2017.
3. A Two-day National Seminar on “Internet of Things and Data Analytics”, 23rd _ 24th March 2018.
4. A 3-day International Conference ICITE-2018 was held at UCE, OU during 11th -13th Apr 2018.

2. Conferences/Workshops/Training Programmes attended:

Faculty

1. Mr.L.K.Suresh Kumar has participated in One Day Induction Program on 20th January, 2018 at University College of Engineering (A), Osmania University, Hyderabad – 500 007, Telangana, India Sponsored by TEQIP-III (Technical Education Quality Improvement Programme – Phase-III)
2. Mr.L.K.Suresh Kumar has attended TechFiesta 2018 on 14th July 2018 at Capgemini Technology Services India Limited, Gachibowli, Hyderabad .
3. Dr B.Sujatha, attended Faculty Development Programme on “Software Engineering and Testing Methodologies” during 23rd Jan-2nd Feb 2017.
4. V.Sukanya attended GIAN course on “Big Data Analytics for Humanitarian Causes “during 20th -27th Nov 2017 at Department of CSE, UCE-OU.
5. V.Sukanya attended GIAN course on “Machine Learning Applications to Internet of Things” during 16th -22nd Dec 2017 at IIT-BHU, Varanasi.
6. V.Sukanya, attended One week STTP on “Simulation of Security Services in Cloud and IOT using Nmap and Wireshark” organised by Sreenidhi Engineering College during 18th -23 June 2018.
7. V.Sukanya attended ICITE-2018 conference held at University College of Engineering, Osmania University during 11th to 13th April 2018.

Research Scholars:

8. Sandhya attended GIAN Course on "Opportunities,Challenges and Research Trends In Wireless Sensor Networks" during 11th- 15th December,2017at Department of ECE,UCE-OU.
9. Sandhya attended GIAN course on “Big Data Analytics for Humanitarian Causes “during 20th -27th Nov 2017 at Department of CSE, UCE-OU.
10. Sandhya attended ICITE-2018 conference held at University college of Engineering, Osmania University during 11th to 13th April 2018.
11. Sandhya presented a paper ,” A Survey on Secure, Power and Energy Efficient Routing Protocols for AD-HOC Networks” in EECCMC-2018 Conference organized by Priyadarshini Engineering College, Chettiyappanur, Vaniyambadi,Vellore District, Tamil Nadu, India.
12. S. Ganga attended GIAN course on “Big Data Analytics for Humanitarian Causes “during 20th -27th Nov 2017 at Department of CSE, UCE-OU.
13. S. Ganga attended ICITE-2018 conference held at University College of Engineering, Osmania University during 11th to 13th April 2018.
14. Sai Kumar attended a Two day workshop on Cyber Security held on 24th and 25th February, 2018 at College of engineering, OU.
15. Sai Kumar attended Visvesvaraya PhD Scheme for Electronics & IT/ITES third workshop for presentation of Research work held at AU College of Engineering, Visakhapatnam during 16-17 Nov, 2017.
16. Sai Kumar attended Research Workshop at IIIT Hyd on 26-27th August 2017.
17. Sai Kumar attended A Two day national workshop on “Privacy preserving & ICT: Research Ideas” organized by Dept. of CSE,CBIT on 2nd and 3rd March 2017.
18. Sai Kumar attended a sixth International Conference on Security, Privacy and Applied Cryptographic Engineering 14th to 18th December 2016 at C.R.Rao Advanced Institute of Mathematics, Statistics and Computer Science, UOH, Hyderabad.
19. Rajeshwari attended One week workshop on “Think Parallel” organized by C-DAC Bangalore during 17th -21st July 2017.
20. Rajeshwari attended ICITE-2018 conference held at University college of Engineering, Osmania University during 11th to 13th April 2018.
21. Rajeshwari presented a paper, “Design and Implementation of GPU based Matrix chain multiplication using C++ AMP” in ICECCT Conference organized by SVS Engineering College, Coimbatore, Tamil Nadu, India, 2017.

1. Publication:

Conference

1. “ S – Parameter modeling and analysis of RGLC Interconnect for Signal Integrity” presented by P. Chandra sekhar and Md. Misbahuddin at IEEE Intl Conference on Recent Trend in Electrical, Electronics and Computing Technologies during 30 -31 July 2017 at Warangal.
2. “ Image Compression Using Adaptive Scanned Wavelet Difference Reduction Technique (ASWDRT) presented by Rajendra Naik at IEEE International Conference on Intelligent Computing and Control systems ICICCS 2017 during 15 -16 June at Madurai
3. “Elastic Investigation of LEACH, Hetro-LEACH, SEP and NHSEP Routing protocols” by Rajendra Naik at International conference at Zurich, Switzerland
4. “High Throughput and Energy – Efficient SCL Decoder Design for Polar Codes” presented by B. Rajendra naik at Joint telematics Group/IEEE Information theory Society during 28 – 31 May, at IIT Bombay.
5. “Design and implementation of LUT Based FPGAs” presented by Rajendra Naik at International multidisciplinary conference on Education for Future: Issues and Challenges during 8 -9 July 2017 Hyderabad.
6. “Estimation of Far End Crosstalk and Near End Crosstalk Noise with Mutally Coupled RLC Interconnect Models” presented by B. Rajendra Naik IEEE International conference on Communication and Signal Processing April 3- 5, 2018 India.
7. “An approach Based on Compressive sensing and frWT forsecure Image Transmission” presented by International conference on Emerging trends in Communication, Computing and Electronics held at University of Allahabad, India during 13 -15 2018
8. “ Path Loss Model Optimization Using Stochastic hybrid Genetic Algorithm presented by R. Hemalatha in the World Summit on Advances in Science, Engineering and Technology, Cambridge Summit 2018 during 4th Januray 2018 to 6th January 2018.
9. “A clustering with Energy Heterogeneity in Wireless sensor Networks” Presented L. Nirmala Devi Proceedings of 105th Indian Science Congress 2018 at Manipur University, Imphal during March 16-20 2018.
10. “A Review on Clustering Protocols with Energy heterogeneity in Wireless Sensor Networks” Proceedings of IEEE International Conference on Communication, Computing and Internet of things at Chennai during February 15th -17th 2018.
11. “Optimization of Distributed energy efficient clustering variants for enhancing lifetime in Wireless sensor Networks” presented by L. Nirmala Devi Proceedings of Springer International Conference on Computer networks and Inventive Communication Technologies (ICCNCT)at Coimbatore during 26th – 27th, 2018.
12. “Hybrid TR Module for Phased Array Antenna Application” presented by R. D. Ramakrishna Asian Electromagnetics Conference 2017 (ASIAEM2017) 23-27 July 2017, Bangalore, India.

13. "Far Field Boundary Characterization of Half Impulse radiating Antenna (HIRA)", presented by Dr. D. Ramakrishna Asian Electromagnetics Conference 2017 (ASIAEM2017) 23 – 27 July 2017 Bangalore, India.
14. "Compact broadband asymmetric slicircularly polarized microstrip patcl antenna for GPS + GLONASS applications" presented by Dr. D. Ramakrishna at IEEE iALM International conference on Antenna Innovations and Modern Technologies for Ground, Aircraft during 24 -26 November, Bangalore.
15. " Reconfigurable Antenna with Frequency Switching capability FoC BAND Application presented by D. Ramakrishna at IEEE iAIM during 24 – 26 November, at Bangalore
16. "Gain Enhancement of Telemetry Antenna Using Meta material" presented by D. Ramakrishna at 2017 IEEE iALM during 24 -26 November at Bangalore.
17. "Design of UWB travelling wave antenna for High power Transient applications" presented by D. Ramakrishna at 2017 IEEE iAIM during 24 -26 November at Bangalore.
18. " Design of Microstrip Patch Reflect array antenna at W-band" presented by D. Ramakrishna at 6th biennial IEEE Applied Electromagnetics Conference (AEMC 2017) during 19-22 Decembar at Aurngabad
19. "Indian Regional Navigation Satellite System" presented by P. Naveen Kumar at International Conference on Innovations in Electronics and Communication Engineering during 21 -22 July at IETE Hyderabad.
20. "Estimation of TEC using IRNSS Data over Indian Sub – Continent" presented by P. Naveen Kumar at 39th NAGI – Indian Geographical Congress – 2017 during 5 -7 December at Dept. of Geography, OU
21. "Tracking of IRNSS Satellites over Hyderabad region " presented by P. Naveen Kumar at 39th NAGI – Indian Geographical Congress – 2017 during 5 -7 December at Dept. of Geography,OU
22. "Analysis of Experimental reception of Dual frequency IRNSS Signal" presented by P. Naveen Kumar at 39th NAGI – Indian Geographical Congess – 2017 during 5 -7 December at Dept. of Geography,OU
23. "Indian Regional Satellite navigational System" presented by P. Naveen Kumar at 39th NAGI – Indian Geographical Congess – 2017 during 5 -7 December at Dept. of Geography,OU
24. "Performance analysis of 1 – bit full adder using different design techniques" presented by P. Kotilakshmi at IEEE International Recent Trends in Electronics and Communication Technology during 19 -20 May, 2017
25. "Air Suspended U-slot Polarization Reconfigurable Microstrip Antenna for Wireless Communication," by A. Bharathi International Conference on Antenna Innovations and Modern Technologies (iAIM-2017), during 24-26 November 2017, Bangalore, India.

Journals

Dr. R. Hemalatha

1. Optimized Design of Full Subtractor using 45nm technology at International Journal of Science and Engineering Vol. 5 (5) : 71-75.ISSN:2322-0015, UGC Approved journal No. 63628.
2. Design and Simulation of Transmitter and Receiver Sections for C – band FMCW Radar at International journal of Engineering Development and Research
3. Development of an Optimized Ray Tracing path loss model in the Indoor Environment at Springer Wireless Personal Communication.
4. Energy efficient scheduling algorithm for multi – core heterogeneous embedded architecture Springer SCIE journal design automation for embedded systems. DOI 10.1007/s10617-018-9202-7
5. Characterization of SPEC benchmarks Scopus journal international journal of pure and applied mathematics vol.118, No. 24 (march 2018)

Dr. L. Nirmala Devi

1. “A Novel Approach for Efficient LDPC Coding” at International Journal of Advance research, Ideas and Innovations in Technology (IJARIIT),Vol.3, Issue 3, May 2017, ISSN:2454-132X
2. “Blind Spectrum Sensing Techniques in cognitive Radio networks” International journal of Applied Sciences, Engineering and Management, Vol.06, No.4, July 2017, ISSN 2320-3439.
Dr. D. Ramakrishna
1. Hybrid TR Module for Phased Array Antenna Application at Asian Electromagnetics Symposium 2016 (ASIAEM2017) during 23 – 27 July at Bangalore
2. Far Field Boundary characterization of Half Impulse Radiating Antenna (HIRA) at Asian Electromagnetics symposium 2017 (ASIAEM2017) 23 – 27 July at Bangalore.
3. Design, development, and performance evaluation of switched wave oscillator (SWO) for high power electromagnetic applications, Journal of Electromagnetic waves and Applications, Volume 32, Issue 11, 1427 -1439 2018
4. Experimental Studies and Analysis on IEMI Source, Field Propagation and IEMI Coupling to power Utility System, Progress in Electromagnetics Research C, Vol. 83,229 -224, 2018.

Dr. P. Naveen Kumar

1. Comparative Analysis of Accuracy using Stand – alone GPS and GAGAN systems for Indian Region at international journal of Electronics, Electrical and Computational System (IJEECS) Volume 6, Issue 7 july2017.
2. GNSS Ionospheric Scintillation Monitoring Using GPS Station -6 at Low Latitude Ground Station at International journal of Electronics, Electrical and Computational System (IJEE Analysis of Selected Parameters of Single Frequency Receiver in GPS and GAGAN modes, International Journal of Advanced Research Trends in Engineering and Technology, Volume 4, Issue 12,Dec 2018, Page No.11-14.

3. Comparative analysis of Accuracy measured using GPS Indian SBAS for Single Frequency Applications. International Journal of Emerging Technology and Advanced Engineering, Volume 7, Issue 11, Nov2017, Page No:409-412.

Dr. A. Bharathi

1. A quad – polarization and frequency reconfigurable square ring slot loaded microstrip patch antenna for WLAN applications at International journal of Electronics and Communication (AEU), ELSEVIER, vol 78, August 2017.

Dr. R. Sandhya

1. Adaptive Routing mechanism for Real time wireless sensor Networks based on two – hop information chapter 7 in Advances in Intelligent systems & computing (ASIC) Vol 479, springer Book series (c) 2017.

Workshop/ Seminar attended

1. Dr. B. Rajendra Naik attended a workshop for presentation of research work of Visvesvaraya PhD scheme during 16 -18 November, at Andhra University, Visakhapatnam .
2. Dr. B. Rajendra naik, Dr. P. Naveen Kumar, Mrs. R. Sandhya and Mrs. A. Bharathi attended Gain Course “ Opportunities challenges and Research trends in WSNs” at ECE,UCE,OU during 11 – 15 December 2017.
3. Dr. L. Nirmala Devi attended a workshop on “nanomaterials Based Low Cost Sensor Design for applications in IoT (Internet of Things)” at IIT Hyderabad during 02-04-2018 to 06-04-2018.
4. Dr. L. Nirmala attended a short term course on “Wireless Networks” at NITTTR Chandigarh during 22 – 26 May 2017.
5. Dr. D. Ramakrishna attended a workshop “First Indo – French on Microwave nanotechnologies (MiNa) organized by IISc, Bangalore with support from CEFIPRA, CNRS and Thales Aerospace.
6. Dr. P. Naveen Kumar and Dr. A. Bharathi attended GAIN course on Advance Electromagnetic Engineering during 2 – 8th November 2017
7. Dr. P. Naveen Kumar has attended one day workshop on Positioning Intelligence (HxGN Local India 2017)”. during 13th October2017, held at Hexagon Capability Centre India Pvt Limited, Hyderabad.
8. Dr. P.Naveen Kumar has attended two day workshop on “Satellite Navigation” during 30-31 October, 2017 held at National Remote Sensing Centre (NRSC), Balanagar , Hyderabad.
9. Dr. P. Naveen Kumar, Mr. Md. Misbahuddin, Dr. R. Sandhya, Dr. A. Bharath and Mrs. P. Srividya attended a GAIN course on Theory and Application of Correlation Filters for Computer Vision during 13 to 17th November
10. Dr. A. Bharathi attended FDP “RF Antenna Design” during 19-24 June at MGIT and NIT Warangal

11. Mrs. P. Padma, Dr. A. Bharathi and Dr. R. Sandhya attended FDP “Soft skills for professional excellence” during 19 July to 8th August at Academic Staff College, OU
12. Mr. M. Shyamsunder attended a 3 week Refresher course on Internet of Things in UGC – HRDC, JNTUH during 9 – 30th October, 2017.

Department of Electrical Engineering
University College of Engineering
Osmania University

Details of Publication and Citations

(for the Academic Years 2017-18, 2016-17, 2015-16)

	Author	Publication type	Title	Year of Publication	Total Citations	National / International
[1]	[2]	[3]	[4]	[5]	[6]	[7]
Input type =>	Name of Author(s) in the format Lastname First name, Middle name	Journal Article / Book / Book Chapter	Full title of the article / Chapter in Book / Book	YYY Y	YY YY	Nat. /Inter
1	N.Susheela , P.Satish Kumar	IEEE Transactions on Industry Applications Volume 54 , Issue 3	Generalized Algorithm of Reverse Mapping Based SVPWM Strategy for Diode-Clamped Multilevel Inverters	2018		I
2	P. Satish Kumar	” International Journal of Power Electronics. (Inderscience Publications). vol.9, no. 3	Implementation and Performance Analysis of Cascaded Multilevel Inverter using Modified SVPWM Techniques	2018		I
3	P. Satish Kumar	International Journal of Advances in Applied Sciences	Analysis and Implementation of Unipolar PWM Strategies for Three Phase Cascade Multilevel Inverter Fed Induction Motor Drive	2018		I
4	N. Srilatha,	International	Locational Marginal Price	2018		I

	G. Yesuratnam	Conference on Innovative Technologies in Engineering	Based Optimal Location of UPFC for Power System Security Improvement			
5	G. Yesuratnam	International Conference on Innovative Technologies in Engineering	A Modified Algorithm for Power System State Estimation	2018		I
6	CH. Siva Kumar, G. Mallesham	International Conference on Innovative Technologies in Engineering	Multi objective Microgenetic Algorithm Based Planning and Sizing of Distributed Generation with Different Load Models	2018		I
7	P. Satish Kumar	International Conference on Innovative Technologies in Engineering	Optimization Methods for Seven-level Neutral Point Clamped and Cascaded Inverter fed Induction Motor Drive	2018		I
8	E. Sreeshobha	International Conference on Innovative Technologies in Engineering	Reliability Improvement of Transmission System with Incorporation of Unified Power Flow Controller	2018		I
9	E. Sreeshobha	IEEE sponsored International Conference on Electronics, Computers, Communication, Mechanical and Computing	Implementation of Load Flow Based Reliability Indices Evaluation Methods and Comparison with Constant Capacity Based Reliability Indices Evaluation for Three Bus Systems	2018		I
10	P. Satish Kumar	International Journal of Engineering, Vol 30, No 6	A Novel Generalized topology for Multi-level Inverter with Switched series-parallel DC Sources	2017		I
11	N. Susheela P. Satish Kumar	International Journal of inventions in Engineering & Science Technology, Vol 3, No 3	Analysis and comparison of various pulse width modulation strategies for hybrid inverter with reduced number of components	2017		I
12	P. Satish	Asian Power	Phase Disposition	2017		I

	Kumar	Electronics Journal (APEJ), Vol. 11, No. 1	PWM Techniques for Eleven level Cascaded Multilevel Inverter with Reduced number of Carriers			
13	P. Satish Kumar	International Journal of Power electronics drives, Vol 8, No 2	Performance analysis of modified SVPWM strategies for three phase cascaded Multilevel Inverter fed Induction motor drive	2017		I
14	P. Satish Kumar	Indonesian Journal of Electrical Engineering and Computer Science	Modeling, Analysis and Comparative of Down Sampling Based Clamping SVPWM for Cascaded and Diode Clamped Multilevel Inverter fed Induction Motor Drive	2017		I
15	N. Susheela, P. Satish Kumar	International Journal of Power Electronics and Drive System, Vol. 8, No. 4	Performance Analysis of FPGA based Diode Clamped Multilevel Inverter Fed Induction Motor Drive using Phase Opposition Disposition Multicarrier Based Modulation Strategy	2017		I
16	B.Sirisha P. Satish Kumar	International Journal of Power Electronics and Drive System (IJPEDS) No. 3, Vol 8	A Simplified Space Vector Pulse Width Modulation Method Including Over Modulation Operation for Five Level Cascaded H-Bridge Inverter with FPGA Implementation	2017		I
17	N.Susheela P.Satish Kumar	International Journal of Inventions in Electronics & Electrical Engineering (IJIEEE), Vol. 3	Evaluation of Carrier Based Neutral Point Potential Regulator with Small DC Link Capacitors for Diode Clamped Inverter	2017		I
18	P.Satish Kumar	International Journal of Engineering (IJE) TRANSACTION S C : Aspects,	A Novel Generalised Topology for Multilevel Inverter with Switched Series-Parallel DC Sources	2017		I

		Vol. 30, No. 6			
19	N.Susheela P.Satish Kumar	Energy Procedia	Performance Evaluation of Multicarrier Based Techniques for Single Phase Hybrid Multilevel Inverter Using Reduced Switches	2017	I
20	N.Susheela P.Satish Kumar	Indonesian Journal of Electrical Engineering and Computer Science Vol. 7, No. 3	Comparative Analysis of Carrier Based Techniques for Single phase Diode Clamped MLI and Hybrid Inverter with Reduced Components	2017	I
21	P.Satish Kumar	International Journal of Power Electronics and Drive Systems, vol. 8, no. 3	Performance Comparison of Star Connected Cascaded STATCOM for Different PWM Techniques	2017	I
22	B.Sirisha	International Journal of Power Electronics Vol.8, No:3	A Space Vector Pulse Width Modulation Technique for Five Level Cascaded H-Bridge Inverter Including Over Modulation Region with FPGA Implementation	2017	I
23	N.Susheela, P.Satish Kumar	International Journal of Inventions in Electronics & Electrical Engineering (IJIEEE), Vol. No. 3	Evaluation of Carrier Based Neutral Point Potential Regulator with Small DC Link Capacitors for Diode Clamped Inverter	2017	I
24	P. Satish Kumar	International Journal of Control theory and Applications, Vol 10, No 16	Design and performance analysis of Cascaded Multilevel STATCOM	2017	I
25	S. Vijender Reddy	IEEE International conference on computational intelligence	Comparison of GA, ACSA & PSO for Optimal Allocation and Sizing of DG's Distribution Network	2017	I
26	P. Satish	Sixth Intl. Conf.	Analysis of Level Shifted	2017	I

	Kumar	On Advances In Computing, Control And Networking	Modulation Strategies Applied to Cascaded H-Bridge Multi-Level Inverter Fed Induction Motor Drive			
27	P. Satish Kumar	Sixth Intl. Conf. On Advances In Computing, Control And Networking	Design and Performance Comparison of 7-level Diode Clamped Multilevel Inverter for Modified SVPWM Techniques	2017		I
28	N. Susheela	International Conference on Recent Innovations in Electrical and Electronics Engineering	Carrier Based Sinusoidal Pulse Width Modulation Control Strategy for Three Phase Nine Level Diode Clamped Multilevel Inverter and Hybrid Inverter with Reduced Components	2017		I
29	CH. Siva Kumar	IEEE International (Biennial) Conference on Technological Advancements in Power Energy-Ta Energy	Enhancement of Power Quality Using UPQC for an Hybrid SOFC and PMSG based wind Energy Systems Connected to a Weak Grid	2017		I
30	P. Satish Kumar	Innovations in Electrical and Electronics Engineering	A Novel PWM Technique to Reduce Total Harmonic Distortion for Multilevel Inverters	2017		I
31	P. Satish Kumar	” International Conference on Recent Innovations in Electrical and Electronics Engineering	Performance Analysis of Diagonal DC Source Cascaded H Bridge MLI using Multicarrier Pulse Width Modulation Techniques	2017		I
32	B. Sirisha	International Conference on Electrical Electronics, Materials and applied science	An Improved Space Vector Pulse Width Modulation Technique for Three Level Neutral point clamped MLI with reduced THD	2017		I
33	E. Vidya Sagar	International Conference on Recent	Effect of Alternative Supply, Disconnecting Switches	2017		I

		Innovations in Engineering and Technology	and Fault Passage Indicators on Reliability of Radial Distribution Feeder			
34	P. Satish Kumar	First International Conference on Electrical Sciences	Analysis of THD for Cascaded H Bridge Inverter Topology with reduced Number of Switches using Multicarrier Pulse Width Modulation Techniques	2017		I
35	E. Vidya Sagar	International Conference on Recent Innovations in Engineering and Technology	Effect of Alternative Supply, Disconnecting Switches and Fault Passage Indicators on Reliability of Radial Distribution Feeder	2017		I
36	N. Susheela, P. Satish Kumar	First International Conference on Power Engineering, Computing and Control	Performance Evaluation of Carrier Based PWM Techniques for Hybrid Multilevel Inverter with Reduced Number of Components	2017		I
37	P. Satish Kumar	Sixth Intl. Conf. On Advances In Computing, Control And Networking	A New Generalized Asymmetrical Cascade Multilevel Inverter Topology with Reduced Power Electronic Switches and Dc Sources	2017		I
38	G. Yesuratnam	EPE Journal, Vol.8, No.4	Optimization of Electrical Distribution System by Using Solar Thermal Powered Systems and Its Impact on Electrical Distribution Feeders	2016		I
39	P.V.N. Prasad	Bulletin of Electrical Engineering and Informatics, Vol. 5, No. 4	Reliability and Cost Benefit Analysis of DG Integrated Distribution System	2016		I
40	P.V.N. Prasad	Journal of Electrical Engineering: Vol. 16	Modeling the impact of Automation Failure on Distribution System Reliability	2016		I
41	P. Satish	Advances In	Improvement in	2016		I

	Kumar	Electrical And Electronic Engineering, Vol 14, No 05	Performance of Cascaded Multilevel Inverter Using Triangular and Trapezoidal Triangular Multi Carrier SVPWM			
42	P. Satish Kumar	International Journal of Industrial Electronics and Electrical Engineering, Vol 4, Issue 12	Performance Analysis of Different PWM strategies for Three phase Three level Diode Clamped Multilevel Inverter	2016		I
43	P.V.N. Prasad	i-managers's Journal on Electrical Engineering	Effect of Automation Intensity Levels on Distribution System Reliability	2016		I
44	B.Sirisha, P.Satish Kumar	International Journal of Inventions in Electronics and Electrical Engineering (IJIEEE) Vol 2	A Space Vector Pulse Width Modulation Technique for Five Level Cascaded H-Bridge Inverter Including Over Modulation Region	2016		I
45	P.V.N. Prasad	Journal of Electrical Engineering Vol.16, Edition 2	Modeling the impact of automation Failure on Distribution System Reliability	2016		I
46	P.V.N. Prasad	i-manager's journal on Electrical Engineering Vol. 9, Issue 4	Effect of Automation Intensity Levels on Distribution System Reliability	2016		I
47	G. Yesuratnam	Energy and Power Engineering Journal	Distribution System by Using Solar Thermal Powered Systems and Its Impact on Electrical Distribution Feeders	2016		I
48	B. Mangu	IEEE Transactions on Emerging Selected Topics in	Grid-Connected PV-Wind-Battery based Multi-Input Transformer Coupled	2016		I

		Power Electronics	Bidirectional DC-DC Converter for household Applications			
49	P. Srinivas	Bulletin of Electrical Engineering and Informatics Vol. 5, No. 1, pp. 109~119	Comparative Analysis of DITC Based Switched Reluctance Motor Using Asymmetric Converter and Four-Level Converter	2016		I
50	P.V.N. Prasad,	IEEE International Conference on Electrical Power and Energy Systems	Reliability Evaluation of DG Integrated Automated Distribution System	2016		I
51	P. Satish Kumar, B. Sirisha	13 th International IEEE India Conference INDICON	A Simplified Space Vector PWM for Cascaded H-Bridge Inverter including Over Modulation Operation	2016		I
52	P. Satish Kumar, N. Susheela	3 rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics, IUPCON	Mapping Method Based Space Vector Modulation Technique for Diode Clamped Multilevel Inverters	2016		I
53	P. Satish Kumar, N. Susheela	3 rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics, UPCON	Performance Analysis of Four Level NPC and NNPC Inverters using Capacitor Voltage Balancing Method	2016		I
54	P. Satish Kumar, B. Sirisha	IEEE 7th Power India International Conference	Implementation of FPGA based Space Vector PWM Method for Five Level Cascaded Inverter	2016		I
55	P.V.N. Prasad	IEEE International Conference on Power Electronics, Drives and Energy Systems	Neuro-Fuzzy based Hybrid PWM Method for Two-level Inverter fed Induction Motor Drive	2016		I

56	P.V.N. Prasad	1st International Conference on Green Power Technology in Power Grid: Issues, Challenges & Control	Control of Reactive Power in a Standalone Self Excited Induction Generator Using Different DSTATCOM Controls	2016		I
57	G. Yesuratnam	IEEE 7th Power India International Conference	An Approach to Identify Critical On-Load Tap Changing Transformers Under Network Contingencies	2016		I
58	P. Srinivas	IEEE 7th Power India International Conference	Hysteresis Current Control of Switched Reluctance Motor Using Three Term Inductance Model	2016		I
59	G. Yesuratnam	International Conference on Emerging Technological Trends	Voltage stability enhancement based on particle swarm optimization and LP technique	2016		I
60	G. Yesuratnam	International Conference on Emerging Technological Trends	Optimal reactive power dispatch based on particle swarm optimization and LP technique	2016		I
61	G. Yesuratnam	International Conference on Electrical, Electronics, and Optimization Techniques	Improving Voltage Stability by Optimal Reactive Power Dispatch Based on Genetic Algorithm and Linear Programming Technique	2016		I
62	G. Yesuratnam	3rd International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences	Role of Measurements set in WLS State Estimation	2016		I
63	M. Manjula	3rd International Conference on Electrical, Electronics,	Mitigation of Harmonics in an AC Microgrid with Passive and Active	2016		I

		Engineering Trends, Communication, Optimization and Sciences	Filters			
64	P. Srinivas	International Conference on Electrical, Electronics, and Optimization Techniques	Comparative Analysis of Hysteresis Current Control and Direct Instantaneous Torque Control of Switched Reluctance Motor	2016		I
65	R. Linga swamy	International Conference on Electrical, Electronics, and Optimization Techniques	Reduction of common mode voltage for Three-Level Inverter using Novel switching sequences	2016		I
66	E. Sreeshobha	International conference on Industrial Electronics and Electrical Engineering	Identification of Effective operating point by simulation for PA,POD and APOD Switching Schemes of Various level Cascade H Bridge inverters	2016		I
67	G. Yesuratnam	Journal of Electrical Systems, Vol. 11, Issue 4	Multi-Objective optimization using Big-Bang Big-Crunch based Optimization: Application to optimal Economic Environmental Dispatch	2015		I
68	P. Srinivas	International Journal of Research in Engineering and Technology, Vol. 04, Issue. 11	Optimal Turn-On And Turn-Off Angles For Torque Ripple Minimization Of Switched Reluctance Motor	2015		I
69	P. Satish Kumar	International Conference Power, control communication and computational Technologies for sustainable growth	FPGA Implementation of Space Vector Pulse Width Modulated Neutral Point Clamped Three-Level Inverter Fed Induction Motor Drive	2015		I

70	G. Yesuratnam, P. Lokender Reddy	IEEE Power, Communication and Information Technology Conference	PSO Based Optimal Reactive power Dispatch for Voltage Profile Improvement	2015		I
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Department of Mechanical Engineering

Prof P Laxmi Narayana

1. P Laxminarayana, N Aravindan Study of surface morphology on micro machined surfaces of AISI 316 by Die Sinker EDM Materials Today: Proceedings 4 (2), 1285-1292, 2017
2. U Ashok Kumar, Prof. P. Laxminarayana "Study of Tool Wear Optimization in Micro Holes Machining of SS316 by Die Sinker Electrical Discharge Machining", International Journal of Scientific Research in Multidisciplinary Studies, Vol.3, Issue.7, pp.1-4, 2017.
3. U Ashok Kumar, Prof. P. Laxminarayana "Optimization of process parameters of Material Removal Rate in Micro hole Machining by Die sinker EDM" , IOSR Journal of Engineering (IOSRJEN), Vol. 07, Issue 07 ||V1|| PP 61-65, 2017.
4. U. Ashok Kumar, Prof. P. Laxminarayana "Study of surface morphology on micro machined surfaces of AISI 316 by Die Sinker EDM", Elsevier - Materials Today: Proceedings Volume 4, Issue 2, Part A, Pages 1285-1292, 2017. <https://doi.org/10.1016/j.matpr.2017.01.149>
5. U Ashok kumara*, Prof. P Laxminarayana , "Influence Of Process Parameters On Surface Roughness Of EN31 By Water Jet Machining, Proceedings Of The International Conference On Technological Advances In Mechanical Engineering (ICTAME 2017) On 22nd September 2017 .
6. U.Ashok Kumar, Prof. Laxminarayana Pappula , Ramulu M 2 "Tensile Behavior And Microstructural Characteristics Of Friction Stir Welded Butt Joints Of Titanium Alloys" at Proceeding of Material Science & Technology –October 8-12, 2017, International Conference,
7. U.Ashok Kumar, Prof. P. Laxminarayana "Optimization of Electrode Tool Wear in micro holes machining by Die Sinker EDM using Taguchi Approach, Elsevier - Materials Today: Proceedings 1824-1831 Volume 5, Issue 1, Part 1, Pages 1824-1831, 2018. <https://doi.org/10.1016/j.matpr.2017.11.281>
8. K. Buschaiah, A. Parshuramulu and P. Laxminarayana "Influence of Tool Geometry and Performance Characteristics of EN-19 Steel by EDM Using Taguchi Method", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), e-ISSN: 2278-1684, p-ISSN: 2320-334X Vol. 14, Issue 4, Ver. I (Jul-Aug.2017) pp 28-35.
9. Syed Azeem Pasha, Ravinder Reddy P, Laxminarayana P, Buschaiah K "Influence of Process Parameters on Micro hardness of AA7075/MWCNT Surface Composites Fabricated through Friction Stir Processing" International Journal of Innovative Research in Technology (IJIRT), ISSN:2349-6002, Volume 4, Issue 7, Dec.2017, pp 665-670.

10. Novel Methods of Assessment of Aesthetic Properties of Dress Material” International Journal of Current Advanced Research, Vol.6, issue7, July, 2017, pp 4758-4763.
11. Optimal FSW process parameters for dissimilar aluminium alloys (AA5083 and AA6061) Using Taguchi Technique, Materials Today: Proceedings 5 (2018) 4607–4614 (Elsevier).

Prof P Usha Sri:

12. K. Hemalatha, P. Usha Sri, N. Seetaramaiah “Experimental investigation of Magnetorheological Fluid Clutch”, International Journal of Scientific Research and review, Volume 7, issue 6, 2018, ISSN No: 2279-543X, pp. 333-343.
13. K. Hemalatha, P. Usha Sri, N. Seetaramaiah “Performance Evaluation and Validation of Magneto Rheological Fluid Clutch”, International Journal of Applied Engineering Research ISSN 0973-4562, Volume 12, Number 18 (2017) pp. 7572-7578

Prof Sriram venkatesh

14. Determination of Mode-I Fracture Toughness of Epoxy-Glass Fibre Composite Laminate Procedia Engineering Volume 173, 2017, Pages 1678-1683
15. Optimizing inkjet printing process to fabricate thick ceramic coatings, Ceramics International Volume 43, Issue 5, 1 April 2017, Pages 4513-4519
16. Influences of process parameters on weld strength of low carbon alloy steel in purged SAW, materials today proceedings Volume 5, Issue 1, Part 3, 2018, Pages 2928-2937
17. Ahmed, S. N., Reddy, P. R., & Venkatesh, S. (2018). A Study of the Secondary Flow in Aircraft Engine Compressor Disks using Computational Fluid Dynamics. International Journal for Innovation Education and Research, 6(1), 85-104. Retrieved from <http://www.ijer.net/ijer/article/view/923>
18. Design Andfabrication of Low Cost 3D Printer, 2017 IJSRSET, Volume 3, Issue 3, Print ISSN: 2395-199
19. Influence of 3D material properties on quality prototypes using SLS and FDM process of a 3D printer, International Journal of Current Engineering and Technology, ©2017 INPRESSCO
20. Prof Sriram venkatesh and Dr L Siva rama Krishna et al. "Design And Manufacturing Of A Scaffold For Biomedical Applications Using Additive Manufacturing." Indian Journal of Scientific Research, 2017, p. 1+. Academic OneFile, Accessed 9 July 2018
21. published a paper titled ‘Laser speed effect on quality prototype fabrication operation : selective laser sintering ’ in IGETSR volume-5 issue-1 january 2018
22. published a paper titled “ Influence of 3-D material properties on quality prototypes using SLS and FDM process of a 3-D printer.” In International journal of current engineering and technology.
23. published a paper titled “ Investigation of runout of poly amide parts in selective laser sintering process using taguchi method “ in international journal of engineering management and sciences.
24. published a paper titled “ Experimental investigation on concentricity of poly amide sintered prototype by selective laser sintering process using taguchi method” in International journal of research in engineering and technology.

25. published a paper titled “ Experimental Investigation on influence of process parameters in selective laser sintering on roundness using taguchi method” in International journal of mechanical and production engineering , research and development.
26. published a paper titled “ Influences of submerged arc welding parameters on bead geometry of low carbon alloy steel “ in International journal on mechanical engineering and robotics.

Prof A Krishnaiah:

27. Dongoor, S., Arakanti, K., Y, K., & Syed, A. (2017, December 16). Mathematical Modeling using Artificial Neural Networks for Quality Evaluation in the Machining of Fe-Al Alloy with PCBN Tools. ASIAN JOURNAL FOR CONVERGENCE IN TECHNOLOGY (AJCT) -UGC LISTED, 3(3), 1-4. Retrieved from <http://www.asianssr.org/index.php/ajct/article/view/17>
28. K Buschaiah, M JagadeeswaraRao, A Krishnaiah, Investigation On The Influence Of Edm Parameters On Machining Characteristics For AISI 304, Materials Today: Proceedings 5 (2), 3648-3656, 2018
29. D Srinivas Rao, A Krishnaiah, Y Krishna, S Adil, Optimization of cutting parameters for improved machining of Fe-Al alloy, IEEE Xplore Digital Library, 1203-1206, 2017
30. D Srinivas Rao, A Krishnaiah, Y Krishna, S Adil, Mathematical Modeling using Artificial Neural Networks for Quality Evaluation in the Machining of Fe-Al Alloy with PCBN Tools, Asian Journal of Convergence in Technology 3 (3), 2017
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122. **Mr. U Ashok Kumar**, received the “Young Innovative Researcher in Mechanical
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