Ref. No.

Date :...

IQAC Coordinator

PRINCIPAL

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

SIR C R REDDY COLLEGE OF ENGINEERING

ELURU - 534 007, Eluru Dist., A.P., INDIA

ACCREDITED BY NBA, APPROVED BY ALL INDIA COUNCIL FOR TECHNICIAL EDUCATION, NEW DELHI, PERMANENTLY AFFILIATED TO JNTUK, KAKINADA

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Ref. No.

Date :.......................................

ANNUAL REPORT 2022-23

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

Research Publications

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
1.	Self Paced Deep Learning for Weakly Supervised Object Detection	Gadi Nirmala	CSE	International Journal of Scientific Research in Computer Science, Engineering and Information Technology
2.	Machine Learning Algorithms for Predicting Heart Disease	Dr. B. MadhavaRao	CSE	International Journal of Scientific Research in Computer Science, Engineering and Information Technology
3.	A Novel Ensemble Bagging Classification Method for Breast Cancer Classification Using Machine Learning Techniques	Naga Deepti Ponnaganti	CSE	Traitement du Signal
4.	Cyber security Approach for secured Online trading	Ch. Srinivas	CSE	Journal of Interdisciplinary Cycle Research
5.	A systematic approach for exploration, behavior analysis, and visualization of redundant data anomalies in smart home energy consumption dataset	K.Purna Prakash	Information Technology	International Journal of Renewable Energy Research
6.	Attention based Heterogeneous Relational Model to Improve the multi-modal Social Image Sentiment Analysis	Dr. K. N. Madhavi Latha	CSE	International Journal of Merging Technology And Advanced Research In Computing
7.	Fuzzy Hysteresis Current Controller for Power Quality Enhancement in Renewable Energy Integrated Clusters	S. N. V. Bramareswara Rao	EEE	Sustainability
8.	Heart Disease Prediction based on Ensemble Classification Model with Tuned Training Weights	P Rajendra Kumar	Information Technology	International Journal of Engineering Trends and Technology

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
9.	Analytical Approach to Exploring the Missing Data Behavior in Smart Home Energy Consumption Dataset	K.Purna Prakash	Information Technology	Journal of Renewable Energy and Environment
10.	Design and Analysis of 18 nm FinFET Device with High Density Meshing for High-speed and Ultra-low Power Applications	K.Radha	ECE	Silicon
11.	Design and Analysis on Rear Axle housing of a truck	Dr. K Sunil Ratna Kumar	Mechanical Engineering	International Journal for Research in Engineering Application and Management
12.	Surface Potential Model of Double Metal Fin Gate Tunnel FET	Ajaykumar Dharmireddy	ECE	Mathematical Statistician and Engineering Applications
13.	Density And Latency Optimized Digital Transpose Fir Filter Using Raidx-16 Booth Multiplier	P.Sowmithri	ECE	International Journal of Engineering in Advanced Research Science and Technology
14.	Density And Latency Optimized Digital Transpose Fir Filter Using Raidx-16 Booth Multiplier	Dr. CH. Madhava Rao	ECE	International Journal of Engineering in Advanced Research Science and Technology
15.	Computer Aided Identification of Bipyrazole and Tetrazole derivatives has possible BTK inhibitors	Dr A YesuBabu	CSE	Neuro Quantology
16.	Vehicle-To-Grid Technology in a Micro-Grid Using Dc Fast Charging Architecture	Dr. Srinivasa Reddy	EEE	Journal of Engineering Sciences
17.	Fuzzy Based Power Quality Improvement for Facts Controlled Power System	Ravilla Madhusudhan	EEE	International Journal for Research Trends and Innovation
18.	Sovereign Potentiality Control and Dominance between Unattached Dc Microgrids	B.Samba Siva Rao	EEE	International Journal for Research Trends and Innovation

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
19.	Performance Investigation of DVR and IPFC under different fault and operating conditions	Sk.Chan Basha	EEE	International Journal for Research Trends and Innovation
20.	Performance Investigation of DVR and IPFC under different fault and operating conditions	L.Vamsi Narasimha Rao	EEE	International Journal for Research Trends and Innovation
21.	Power Quality Improvement in Renewable-Energy-Based Microgrid Clusters Using Fuzzy Space Vector PWM Controlled Inverter	S. N. V. Bramareswara Rao	EEE	Sustainability
22.	Vehicle-To-Grid Technology in a Micro-Grid Using Dc Fast Charging Architecture	M.Sunil Kumar	EEE	Journal of Engineering Sciences
23.	Day-ahead Load Demand Forecasting in Urban Community Cluster Microgrids Using Machine Learning Methods	S. N. V. Bramareswara Rao	EEE	Energies
24.	Analytical Enumeration of Redundant Data Anomalies in Energy Consumption Readings of Smart Buildings with a Case Study of Darmstadt Smart City in Germany	K.Purna Prakash	Information Technology	Sustainability
25.	Optimization Assisted Hybrid Intelligent System for Heart Disease Prediction	P Rajendra Kumar	Information Technology	Journal of Mechanics in Medicine and Biology
26.	Password or Pin Encryption and Migration Technique using Catalannumber Sequence and Polygon Triangulation	V. Uma Karuna Devi Kakarla	Mathematics	Mathematical Statistician and Engineering Applications
27.	Distinguish Certification Mobile IP to Ranked Mobile IP	MadhavaRao M	CSE	International Journal of Research in Electronics and Computer Engineering
28.	Fault Detection in Cluster Microgrids of Urban Community using Multi-Resolution Technique	S. N. V. Bramareswara Rao	EEE	International Journal of Renewable Energy Research

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
	based Wavelet Transforms			
29.	Fuzzy Based Active Power Decoupling and Controlling For Single-Phase Facts Device	Tummala kranti Kiran	EEE	International Journal for Research Trends and Innovation
30.	Fault Detection in Cluster Microgrids of Urban Community using Multi-Resolution Technique based Wavelet Transforms	Mr.N.Rama Narayana	EEE	International Journal of Renewable Energy Research
31.	Power Quality Improvement of Grid Connected Solar Plant using FUZZY Logic Controller	Mr.N.Rama Narayana	EEE	International Journal of Novel Research and Development
32.	Fault Detection in Cluster Microgrids of Urban Community using Multi-Resolution Technique based Wavelet Transforms	T.Deepti Prasanna	EEE	International Journal of Renewable Energy Research
33.	Fault Detection in Cluster Microgrids of Urban Community using Multi-Resolution Technique based Wavelet Transforms	L.Vamsi Narasimha Rao	EEE	International Journal of Renewable Energy Research
34.	Systematic Statistical Analysis to Ascertain the Missing Data Patterns in Energy Consumption Data of Smart Homes	K.Purna Prakash	Information Technology	International Journal of Renewable Energy Research
35.	The removal of ammonia from contaminated water by using various solid waste biosorbents	Seetalam Sai Charan	Civil Engineering	Energy Nexus
36.	Recent Trends In English Language Teaching	Mrs. K.Vijana	English	Juni Khyat
37.	XGboost classifier with hyperband optimization for cancer prediction based on gene selection by using machine learning techniques	KommanaSwathi	CSE	revue d'intelligence artificielle

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
38.	Design And Implementation of Hybrid Energy Storage System (Hess) for Electric Vehicle By Using Fuzzy Logic Controller	Dr.N.Bhupesh Kumar	EEE	Dogo Rangsang Research Journal
39.	An Adaptive Neuro-Fuzzy Control Strategy for Improved Power Quality in Multi-microgrid Clusters	S. N. V. Bramareswara Rao	EEE	IEEE Access
40.	Influence of Filler Materials on wettability and Mechanical Properties of Basalt/E-Glass Woven Fabric-Reinforced Composites for Microfluidics	Dr. Kolli Lalit Narayan	Mechanical Engineering	MDPI
41.	Efficient Design of Rounding-Based Approximate Multiplier Using Modified Karatsuba Algorithm	Ajaykumar Dharmireddy	ECE	Journal of Electronic Testing
42.	An efficient approach for anti-jamming in IRNSS receivers using improved PSO based parametric wavelet packet thresholding	K. J. Silva Lorraine	ECE	Satellite Navigation, Springer
43.	Efficient Design of Rounding-Based Approximate Multiplier Using Modified Karatsuba Algorithm	R.Trinadh	ECE	Journal of Electronic Testing
44.	Performance analysis of various Fin patterns of hybrid Tunnel FET	Ajaykumar Dharmireddy	ECE	International Journal of Electrical and Electronics Research
45.	Machine Learning-Based Ensemble Classifiers for Anomaly Handling in Smart Home Energy Consumption Data	K.Purna Prakash	Information Technology	Sensors
46.	A comprehensive analytical exploration and customer behaviour analysis of smart home energy consumption data with a practical case study	K.Purna Prakash	Information Technology	Energy Reports

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
47.	Wrapper Fuzzy approach with 3D past convolution Neural Network (FCNN) based feature selection in protien sequence classification	Dr. A. YesuBabu	CSE	International Journal of Intelligent Systems & Applications in Engineering
48.	Scientific Understanding of Learning Through Deep Learning Algorithms	J. S. V. Gopala Krishna	CSE	International Journal of Early Childhood Special Education
49.	Review of Skin disease classification using machine learning methods	Dr Deepak Nedunuri	CSE	NeuroQuantology
50.	Application of Artificial Neural Networks to Forecast ITK Inhibitor activity data	Rama Devi Chalasani	CSE	International Journal of Intelligent Systems & Applications in Engineering
51.	Chronic Kidney Disease Prediction Using ML-Based Neuro-Fuzzy Model	VahiduddinShariff	CSE	International Journal of Image and Graphics
52.	Performance of Hybrid Energy Storage Based Electrical Vehicle Using Fuzzy Logic Controller Electrical Vehicle Using Fuzzy Logic Controller	Dr. Y. Butchi Raju	EEE	International Journal of Noval Reasearch and Development
53.	Experimental study on the performance analysis of vapour compression refrigerarion test rig with and without phase change materials	T N V Ashok Kumar	Mechanical Engineering	International Journal for Multidisciplinary Research
54.	An Effective Tumor Detection From Mri Images Using Deep Learning-Based Depthwise Separable Cnn	J.Malathi	Information Technology	Science, Technology and Development
55.	An effective Task scheduling methododlogy for cloud computing using extension cuckoo search algorithm and fmpso	B.Lalitha Bhavani	Information Technology	The International journal of analytical and experimental modal analysis
56.	The Influence of Professional Identies of Teachers And Their Effect on Teaching Practice	Syed Zareena	English	The International Journal of Analytical And Experimental Model Analysis
57.	Quantum Ant Lion	KommanaSwathi	CSE	Annals of forest

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
	Optimization and Support Vector Machine for The Feature Selection and Gene Classification			research
58.	Fixed Head Short Term Scheduling In Presence of Solar and Wind Power	A. Surya Praksh Rao	EEE	Journal of Engineering Sciences
59.	Fuzzy Based Power Quality Improvement for Facts Controlled Power System	J. Ayyappa	EEE	International Journal for Research Trends and Innovation

Organised Faculty Development Programmes

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	Practices for 3D Printing	07-08-2022 to 12-08-2022	19
2	Enhancing Problem Solving Skills Strategies for Teaching Efficiently	22-08-2022 to 26-08-2022	27
3	Machine learning application on image processing	10-10-2022 to 14-10-2022	27
4	Machine learning	14-11-2022 to 18-11-2022	37
5	Recent trends in Microelectronics, VLSI circuits and their Applications	21-11-2022 to 25-11-2022	31
6	Applications of Power Electronics in Smart Grids	05-12-2022 to 09-12-2022	17
7	Concrete-Theory to Practice	12-12-2022 to 16-12-2022	16
8	Developing & solving case studies	18-12-2022 to 23-12-2022	6

Organised Management development programs, Professional Development / Administrative training programs

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	MS-Office & Photoshop	17-11-2022	13

Workshops / Seminars Conducted on R & D; IPR and EDC Cell

S.No.	Name of the Programme	Details of the Resource Person	Date	Number of Participants
1.	A one day seminar on "Quantitative Research Methods"	Dr N Rajeswari Professor, Department of CSE,	14/7/2022	24

S.No.	Name of the Programme	Details of the Resource Person	Date	Number of Participants
		SR Gudlavalleru Engineering College		
2.	A one day seminar on "Intellectual Property Challenges Business Face in 2022"	Dr Daveedu Raju Professor, Department of CSE, Ramachandra Engineering College	12/08/2022	284
3.	A one day seminar on "Career Opportunities after B,Tech"	Shankar W ACE Academy, Hyderabad	06/09/2022	150
4.	A seminar on "Patent Filing"	Dr A Chittibabu Assistant Professor Krishna University	09/09/2022	33
5.	A Guest Lecture on "Research Methodology :Developing Conceptual Framework & Data Collection"	Gangadhara Rao G Principal System Analyst NIC,AP Secretariat	15/09/2022	100
6.	A one day workshop on "Entrepreneurship Experience"	Ch Anudeep Assistant Professor SVECW, Bhimavaram	18/10/2022	74
7.	One day seminar on "Personality Development and Soft Skills"	Mrs Syed Zareena Assistant Professor Sir CR Reddy College of Engineering	30/11/2022	100
8.	Training program on "Invest Time to empower youth for work life preparedness"	Sushma B Founder and Program lead ITEY, Haas Foundations,Banglore	12/12/2022 To 17/12/2022	21
9.	A webinar on "From Idea to Impact: Excelling in Research Paper Authorship For Scientific Publications"	Dr CH Hima Bindu Professor and HOD-ECE QIS college of Engineering	25/01/2023	100
10.	A Webinar on "How to land up on good Internship"	Ms Sameera Nalin Venkat Case Western Reserve University, USA	11/02/2023	50
11.	A guest lecture on "Research Methodology & Data Science as a Career"	P Suresh Varma Dean Academic Affairs, Aadikavi Nannaya University	22/3/2023	18
12.	A Webinar on "Research Outcomes and Paper Writing"	Dr CH Hima Bindu Professor and HOD-ECE QIS college of Engineering	01/04/2023	147
13.	A guest lecture on "Career Opportunities for EEE students	Dr V Sandeep, NITAP,Tadepalligudem	11/04/2023	92

Soft skills and Life Skills Programmes

Name of the capacity development and skills enhancement program	Date implementation	Number of students enrolled	Name of the Person
Yoga Retreat	02-11-2022	520	Sri Vilasa Vigraha Dasa, ISKON-Eluru
Dutta Kriya Yoga	07-11-2022	548	Sri Venugopal Lunani,
Dutta Kriya Yoga	21/11/2022	515	Sri Venugopal Lunani,
Personality Development	25/11/2022	530	Dr. Venu Gopal Trivedi
Personality Development	28/11/2022	560	Sri Phalguna Dasa
Company Specific Training (CST) Program	25-07-2022 to 3-08-2022	391	Team from Logik Works
Mock Interview preparation Training (MIPT) Program	14-9-2022 to 15-09-2022	213	Team from Logik Works
Campus Recruitment Training (CRT) Program 3rd Year Students	01-02-2023 to 10-02-2023	471	Team from Logik Works

Faculty attended Conferences

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
1.	S.K.Chaitanya.R	Sentiment Analysis using deep learning for use in recommendation systems of various public media applications	2023 International Conference on Sustainable Computing and Smart Systems
2.	Vahiduddin Shariff	A Generalized Model for Identifying Fake Digital Images through the Application of Deep Learning	International Conference on Electronics and Sustainable Communication Systems (ICESC 2022)
3.	T N S Koti Mani Kumar	An Adaptive Load Balancing Technique for Multi SDN Controllers	Proceedings of the International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2022)
4.	T. Usha Rani	Region-based Convolutional Neural Networks with IoT-based Alzheimer's disease detection and classifications	IEEE North Karnataka Subsection Flagship International Conference(IEEE NKCon-2022)
5.	Y.Anjani	Region-based Convolutional Neural Networks with IoT-based Alzheimer's disease detection and classifications	IEEE North Karnataka Subsection Flagship International Conference(IEEE NKCon-2022)
6.	M. Siva Ganesh	An Adaptive Load Balancing Technique for Multi SDN Controllers	Proceedings of the International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2022)
7.	Dr.N.Sameera	Design of Load frequency	2022 IEEE 2nd Mysore Sub

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
		controller using Whale Optimization Algorithm (WOA)	Section International Conference (MysuruCon), Mysuru, India, 2022
8.	Dr.G.Chamundeswari	Design of Load frequency controller using Whale Optimization Algorithm (WOA)	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon), Mysuru, India, 2022
9.	K Kotaiah Chowdary	Design of Load frequency controller using Whale Optimization Algorithm (WOA)	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon), Mysuru, India, 2022
10.	V. S. R. Pavan Kumar. Neeli	Design of Load frequency controller using Whale Optimization Algorithm (WOA)	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon), Mysuru, India, 2022
11.	V. Veeraju	Weighted Averaging PSO-Based SWT Method of Image Fusion for X-Ray Mammograms	Smart Intelligent Computing and Applications
12.	S.K.Chaitanya.R	A comparision between shortest path algorithms using Runtime Analysis and Negative edges in Computer Networks	2022 International Mobile and Embedded Technology Conference
13.	Vahiduddin Shariff	A comparision between shortest path algorithms using runtime analytics and negative edges in computer networks.	2022 International Mobile and Embedded Technology Conference
14.	J. UnniKiran	A comparision between shortest path algorithms using runtime analytics and negative edges in computer networks.	2022 International Mobile and Embedded Technology Conference
15.	T N S Koti Mani Kumar	A comparision between shortest path algorithms using runtime analytics and negative edges in computer networks.	2022 International Mobile and Embedded Technology Conference

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
16.	V.S.R.Pavan Kumar.Neeli	Spotted Hayena optimized PI-PD controller for frequency control of standalone u-Grid Incorporating Electrical vehicles	International Conference on Electronics and Renewable Systems
17.	Dr. N Sameera	Spotted Hayena optimized PI-PD controller for frequency control of standalone u-Grid Incorporating Electrical vehicles	International Conference on Electronics and Renewable Systems
18.	Ajay Kumar Dharmireddy	Rad-Hard Model SOI FinTFET for Spacecraft Application	Advances in Micro-Electronics, Embedded Systems and IoT
19.	Sk Chan Basha	Spotted Hayena optimized PI-PD controller for frequency control of standalone u-Grid Incorporating Electrical vehicles	International Conference on Electronics and Renewable Systems
20.	M. Vijaya Raghavendra	Spotted Hayena optimized PI-PD controller for frequency control of standalone u-Grid Incorporating Electrical vehicles	International Conference on Electronics and Renewable Systems
21.	Koyi Kotaiah Chowdary	Spotted Hayena optimized PI-PD controller for frequency control of standalone u-Grid Incorporating Electrical vehicles	International Conference on Electronics and Renewable Systems

Students Opted for higher Education

A total of 32 students have opted for higher education

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
1	19B81A05G0	S Swami	CSE	MS	NEW HEAVEN University, Connecticut, USA

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
2	19B81A05H6	V Praveen	CSE	MS	University OG BRIDGE PORT, Connecticut, USA
3	19B81A05I2	V Vasavi	CSE	MS	SACRED HEART UNIVERSIY, FairField, USA
4	19B81A0503	Akthar Salmani	CSE	M Tech	Eluru College of Engineering, AP, INDIA
5	19B81A0542	Dasari Sai Ratna Chowdary	CSE	MS	LEWIS University, Illinois, US
6	19B81A05I6	V Manideep	CSE	M Tech	JNTU Kakinada, AP, India
7	19B81A0572	Jakkampudi Bhavana	CSE	M S	University of North Texas, Denton, TEXAS
8	19B81A0579	Kambampati Varsha	CSE	MS	KENT state University, Ohio, US
9	19B81A1223	Ch Hemanth Sai Ram	IT	MS	Missouri Kansas City, Missouri, US
10	19B81A1212	Boddu Manisha	IT	MS	A&M University-Kingsville Texas
11	19B81A1282	Sujith Babu Narra	IT	MS	Webster University, Missouri
12	19B81A1256	Kristipati Pavan Siva Reddy	IT	MS	Oklahoma City University, US
13	19B81A1262	M Satish Kumar	IT	MS	Concordia University, Montreal, Canada
14	19B81A1266	M Poojitha	IT	MS	University of Central Missouri
15	19B81A1290	P Lakshmi Priya	IT	MS	Cardiff Metropolitan University
16	20B85A0405	D. Durga Madhavi	ECE	M.Tech	JNTUK, Kakinada
17	19B81A04H4	Ramya T	ECE	MS	University Of central musorry
18	19B81A0472	K.Pavani	ECE	MS	Trine univercity
19	19B81A04I5	Y. Sai Charan	ECE	MS	Clevelannd state university
20	19B81A04B3	M. Venkata Nagalakshmi	ECE	MS	Trine univercity
21	19B81A04D0	R.Narendra kumar	ECE	MS	University of cincinnati
22	19B81A04C6	P.Archina	ECE	MS	Lamer university
23	19B81A04D8	P.Lakshmivasundara	ECE	MS	University of westlondon
24	19B81A04F6	Sk.Vsimakram	ECE	MS	Taxas A&M University
25	19B81A04A3	M.Maheshbabu	ECE	MS	Univercity of

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
					Eastlondon
26	19B81A04E3	P.Krishnachaitnaya	ECE	M Tech	Manipal university
27	19B81A0427	Ch.Jahanavi	ECE	M Tech	Konarru lakshmiaya college,India
28	19B81A04F7	Mounica	ECE	MS	Portland state graduat school
29	19B81A04G1	Annanta	ECE	MS	katz school of science and helth
30	19B81A04H7	U.Dhanyasree	ECE	MS	Durham college
31	19B81A04I0	V.Gnapika	ECE	MS	University Of central musorry
32	19B81A0213	Dheeravathula Sivanaik	EEE	MS	Portland State Graduate School
33	19B85A0286	Veeravalli Venu Sai	EEE	MS	University of Hertfordshire, UK
34	19B81A0248	Paruchuri Ramadevi	EEE	MS	University of Hertfordshire, UK
35	19B81A0239	Mokkapati Mahitha	EEE	MS	Portland State Graduate School
36	19B81A0324	Gajjivelli Naresh	MECH	MS	University of south dakota
37	19B81A0352	Kunduru Vasu Reddy	MECH	MS	Portland State Graduate School

Placement Details

A total of 471 students were Placed

S.No.	Name of the Employer / Company	No. of Students Placed
1.	SPR Human Solutions	95
2.	VEE Technologies	85
3.	Cloud Mellow	68
4.	Better Analytics	44
5.	Western Shipping	44
6.	TCS	34
7.	APTOnline	28
8.	HDFC Life	23
9.	Logik Works	10
10.	KJ Systems	7
11.	OSI Digital	7
12.	Kodnest	7
13.	TCS Digital	6

S.No.	Name of the Employer / Company	No. of Students Placed
14.	Vem Technologies	5
15.	TAP Academy	2
16.	Efftronics	2
17.	Accolite Digital	1
18.	O.C.Tanner	1
19.	Grow Control	1
20.	Genpact	1

IQAC Coordinator

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ANNUAL REPORT 2021-22

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Sir C R Reddy College of Engineering
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Research Publications

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
1.	A Novel Method for Rainfall Prediction and Classification using Neural Networks	K. VaradaRaj kumar	CSE	International Journal of Advanced Computer Science and Applications
2.	A new segmentation method for non-ideal iris images using morphological reconstruction FCM based on improved DSA	N. Bhupesh Kumar	EEE	SN Applied Sciences
3.	A new segmentation method for non-ideal iris images using morphological reconstruction FCM based on improved DSA	Miranji Katta	ECE	SN Applied Sciences
4.	A new segmentation method for non-ideal iris images using morphological reconstruction FCM based on improved DSA	Dr R Satish	ECE	Spinger Nature - Applied Science
5.	Detection of Volatile Organic Compounds Using Mems Based Microcantilever	Ch Jayaprakash	ECE	ARPN Journal of Engineering and Applied Sciences
6.	Hybrid anti-jamming algorithm for IRNSS receivers using variational mode decomposition and wavelet packet transform	K. J. Silva Lorraine	ECE	International Journal of Communication Systems, Wiley
7.	Analysis of Principal Components and Classification Enhancement For Rainfall Prediction	K. Varada Rajkumar	CSE	Indian Journal of Computer Science and Engineering
8.	Preprocessing of Colorectal Cancer Protein Expressions Using Correlation Co-Efficient Factor and Disease Score	B Madhav Rao	CSE	International Journal of Research In Electronics and Computer Engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
9.	Preprocessing of Colorectal Cancer Protein Expressions Using Correlation Co-Efficient Factor and Disease Score	M Sampath Kumar	CSE	International Journal of Research In Electronics and Computer Engineering
10.	Frequency Stabilization of Multi Area Autonomous Hybrid Power System using Single and Multi-Objective SALP Swarm Algorithm	V.S.R.Pavan Kumar.Neeli	EEE	i-Manager's Journal on Power Systems Engineering
11.	ANN based Day-Ahead Load Demand Forecasting for Energy Transactions at Urban Community Level with Interoperable Green Microgrid Cluster	S. N. V. Bramareswara Rao	EEE	International Journal of Renewable Energy Research
12.	An efficient interference mitigation approach for NavIC receivers using improved variational mode decomposition and wavelet packet decomposition	K. J. Silva Lorraine	ECE	Transactions on Emerging Telecommunications Technologies, Wiley
13.	Simultaneous tropical disease identification with PZT-5H piezoelectric material including molecular mass biosensor microcantilever collection	Miranji Katta	ECE	Sensing and Bio-Sensing Research
14.	Development and Analysis of Mechanical Properties of Caryota and Sisal Natural Fibers Reinforced Epoxy Hybrid Composites	Dr.K. Lalit Narayan	Mechanical Engineering	MDPI

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
15.	Transfer Learning-Based Plant Disease Detection	Dr.S.Krishna Rao	Information Technology	International Journal for Innovative Engineering and Management Research
16.	Dynamic frequency adjuster with respect to user allocation in fiber wireless systems	Dr. T. Venkateswara Rao	ECE	International Journal of Creative Research Thoughts
17.	Simulation approach to design high sensitive NEMS based sensor for molecular Bio-Sensing	Miranji Katta	ECE	Eurpoean Journal of Molecular and Clinical Medicine
18.	Simulation Approach to Design High Sensitive NEMs based Sensor for Molecular Biosensing Applications	K.Lavanya	ECE	European Journal of Molecular and Clinical Medicine
19.	Simulation Approach to Design High Sensitive NEMs based Sensor for Molecular Biosensing Applications	P.Srinivasulu	ECE	European Journal of Molecular and Clinical Medicine
20.	Simulation approach to design high sensitive NEMS based sensor for molecular Bio-Sensing	M Vamsi Krishna Allu	ECE	Eurpoean Journal of Molecular and Clinical Medicine
21.	Impact of external surface temperature & Heat radiation of SiO2 based nanofluids over a vertical circular cylinder enclosed in porous medium	M Veeranjaneyulu	Physics	International Journal of Pharmaceutical Research
22.	Elliptic Curve Cryptography with Reduced Cipher Bandwidth-A New Approach to Conventional ECC	K. Uma Karuna Devi	Mathematics	Design Engineering
23.	Digital Signature Algorithm to Maintain Perfect Forward Secrecy (Pfs) Using Hyperelliptic Curve Cryptosystem	K. Uma Karuna Devi	Mathematics	Design Engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
24.	Mathematical Modelling and Analysis of Temperature Effects in NEMS Based Bi-Metallic Cantilever for Molecular Biosensing Applications: 10.48129/kjs. 20495	Miranji Katta	ECE	Kuwait Journal of Science
25.	A hybrid aco-cs based optimized KNN classifier algorithm for rainfall detection & prediction	K. VaradaRaj kumar	CSE	Journal of Theoretical and Applied Information Technology
26.	Mining Maximal Subspace Clusters for High Dimensional Data	Marlapalli Krishna	CSE	International Journal of Research in Electronics and Computer Engineering
27.	Taming an Autonomous Surface Vehicle for Path Following and Collision Avoidance Using Deep Reinforcement Learning	Gadi Nirmala	CSE	International journal of Researching Electronics and Computer Engineering IJRECE
28.	Efect of Steel Fibres on Flexural Toughness of Concrete and RC Beams	Kuppala Srinivasa Rao	Civil Engineering	Springer (AJSE)
29.	A Comprehensive Survey on GNSS Interferences and the Application of Neural Networks for Anti-jamming	K. J. Silva Lorraine	ECE	IETE journal of research, Taylor and Francis
30.	Review on Novel Coronavirus (nCoV-19): Defensive Measures and Natural Medicine	Miranji Katta	ECE	International Journal of Clinical Studies & Medical Case Reports
31.	Review on Novel Coronavirus (nCoV-19): Defensive Measures and Natural Medicine	P.Srinivasulu	ECE	International Journal of Clinical Studies and Medical Case Reports
32.	Analysis of Excavator Bucket Using Ansys	Dr. M Sri Rama Murthy	Mechanical Engineering	International Journal for Scientific Research and Development

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
33.	Simple and effective descriptive analysis of missing data anomalies in smart home energy consumption readings	K.Purna Prakash	Information Technology	Journal of Energy Systems
34.	Image Segmentation Using SOM Neural Network with Discrete Cosine Transform	Dr. G. Chamundeswari	Information Technology	Advances and applications in mathematical sciences
35.	Line Segment-Based Clustering Approach with Self-Organizing Maps	Dr. G. Chamundeswari	Information Technology	Journal of Information Technology Research
36.	A Comprehensive Study of Women Charecters in the selected Novels of JANE Austen	Syed Zareena	English	IJSR(Internationl Journal of Sccience and Research)
37.	Microgrid BSS Scheduling using Teaching Learning based optimization Algorithm	M.Veera Kumari	EEE	International Journal of Electrical and Electronics Engineering (IJEEE)
38.	A Novel feature selection paradigm in identifying Prominent variables from a high-dimensionality dataset	K.ChaitanyaDeepthi	CSE	International Journal of Research in Electronics and Computer Engineering (IJRECE)
39.	A Novel feature selection paradigm in identifying Prominent variables from a high-dimensionality dataset	B.HomerBenny	CSE	International Journal of Research in Electronics and Computer Engineering (IJRECE)
40.	Feature Extraction based Breast Cancer Detection using WPSO with CNN	Naga Deepti Ponnaganti	CSE	International Journal of Advanced Computer Science and Applications
41.	Optimal Infusion and Grading of Combined DGs and Capacitor Banks for Line Loss Minimization and Enhancement of Voltages in Radial Circuit System	Dr. Y Butchi Raju	EEE	Przegląd Elektrotechniczny

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
42.	Allocation of Facts Devices for a Transmission System for Reducing Power Losses Using Tlbo Algorithm	J.Ayyappa	EEE	Journal of Engineering, Computing & Architecture
43.	Review of Mems-Based Sensing Technology And Human-Centered Applications In Health Prespective	Miranji Katta	ECE	Nveo-Natural Volatiles & Essential Oils Journal‖ Nveo
44.	Compact wearable low-SAR dual band antenna for on body network applications	G. Srilatha	ECE	International Journal of Communication Systems
45.	Review of MEMS-based Sensing Technology and Human-Centered Applications in Health Prespective	R.Trinadh	ECE	Journal of Nat.voltiles & Essent. Oils
46.	Review Of Mems-Based Sensing Technology And Human-Centered Applications In Health Prespective	M Vamsi Krishna Allu	ECE	Nveo-Natural Volatiles & Essential Oils Journal‖ Nveo
47.	Review Of Mems-Based Sensing Technology And Human-Centered Applications In Health Prespective	Lavanya Nadella	ECE	Nveo-Natural Volatiles & Essential Oils Journal‖ Nveo
48.	Review Of Mems-Based Sensing Technology And Human-Centered Applications In Health Prespective	P.Sowmithri	ECE	Nveo-Natural Volatiles & Essential Oils Journal‖ Nveo
49.	Reliable OOD Tenable Investigation ofRhombohedral Point Groups	M Veeranjaneyulu	Physics	Turkish Journal of Physiotherapy and Rehabilitation

Organised Faculty Development Programmes

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	Advanced trends in Engineering	13-09-2021 to 18-09-2021	18
2	Practicing cloud computing with AWS	04-10-2021 to 08-10-2021	24
3	Pedagogy for Effective teaching	13-11-2021 to 18-11-2021	4
4	Recent trends in power quality improving technologies	06-12-2021 to 10-12-2021	22
5	Disruptive technologies in electronics and Communication	27-12-2021 to 31-12-2021	26
6	Data science	03-01-2022 to 07-01-2022	35
7	Principal of Foundation Engineering for Rural Housing	07-02-2022 to 11-02-2022	11
8	Advanced Research Methodology	07-02-2022 to 11-02-2022	28

Organised Management development programs, Professional Development / Administrative training programs

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	Python Programming	04-01-2022	13

Workshops / Seminars Conducted on R & D; IPR and EDC Cell

S NO	Name of the Programme	Details of the Resource Person	Date	Number of Participants
1.	Webinar on "Personal Branding and Development"	Dr D N D Harini Assoc Professor, GVP College of Engineering, Vishakapatnam	23/06/2021	60
2.	One-Day Workshop on "Practices on Research Methodology"	B Kiran Babu Asst Professor Department of ME Usha Rama College of Engineering	08/10/2021	58
3.	One day seminar on "Entrepreneurship skill, attitude and behaviour development"	D Bujji Babu Asst Professor Department of CE Usha Rama College of Engineering	09/11/2021	45

S NO	Name of the Programme	Details of the Resource Person	Date	Number of Participants
4.	One day seminar on "Recent Research Methods and Research Ethics"	Dr G Loshma Professor,Department of CSE, Sri Vasavi Engineering College	17/12/2021	26
5.	One-Day Workshop on "Intellectual Property Rights and its Management"	Dr A Chitti Babu Assistant Professor Ramachandra Engineering College	15/12/2021	19
6.	One-Day Workshop on "Entrepreneurship in a Minute"	N Satish Assistant Professor, Dept of M.B.A, Sir CR Reddy College of Engineering	07/02/2022	36
7.	One day seminar on "Entrepreneurship in a minute for Civil Engineering"	Dr V V Praveen Kumar Assoc Professor, Dept of CE, Geethanjali College of Engineering and technology, Hyderabad	15/02/2022	30
8.	One-Day Workshop on "Intellectual Property Rights involving Modern Management Methods"	D Bujji Babu Assistant Professor, Dept of MECH, Sir CR Reddy College of Engineering	22/02/2022	60
9.	A Guest Lecture on "Opportunities for Students as Early Stage Entrepreneurs"	Yogesh B CEO,YO SNAPPS India Pvt Ltd.,Eluru	29/3/2022	100
10.	A Workshop on "Art Of Writing A Research Paper"	Dr BTP Madhav Professor, Dept of ECE, KL UNIVERSITY	23/04/2022	57
11.	A One Day Workshop on "Research Report Writing and Proposal Preparation"	G SRINIVASA RAO Andhra University	27/04/2022	100
12.	A Guest Lecture on "Start-Up & Innovations in INDIA"	Ganesh Nag D C.E.O,Brain-o-Vision Pvt Ltd, Hyderabad	19/5/2022	124

Soft skills and Life Skills Programmes

Name of the capacity development and skills enhancement program	Date implementation	Number of students enrolled	Name of the Person
Personality Development	29/7/2022	548	Sri B.K. Lavnya
Kriyayoga	21-06-2022	520	Sri. K. Adinarayana, Sri Siva Chalamalla
Campus Recruitment Training (CRT) Program	20-07-2021 to 27-07-2021	450	Team from Logik Works
Company Specific Training (CST) Program	01-09-2021 to 08-09-2021	180	Team from Logik Works
Company Specific Training (CST) Program	18-09-2021 to 23-09-2021	144	Team from Logik Works
Mock Interview preparation Training (MIPT) Program	04-10-2021 to 08-10-2021	138	Team from Logik Works
Mock Interview preparation Training (MIPT) Program	25-10-2021 to 27-10-2021	200	Team from Logik Works
Career Diagostics Test (DCT'S)	25-01-2022 to 28-01-2022	103	Team from Cocubes
Cocubes Pre-Assessment-1	27-02-2022	328	Team from Cocubes
Campus Recruitment Training (CRT) Program 3rd Year Students	07-03-2022 to 16-03-2022	350	Team from Logik Works
Cocubes Pre-Assessment-2	12-04-2022	300	Team from Cocubes
Campus Recruitment Training (CRT) Program 3rd Year Students	09-05-2022 to 18-05-2022	350	Team from Logik Works
Campus Recruitment Training (CRT) Program 3rd Year Students	09-05-2022 to 18-05-2022	350	Team from Logik Works

Faculty attended Conferences

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
1.	Dr M Krishna	Identification of Best Cluster from a Datasets Using Hybrid Hierarchical and Non-Hierarchical Methods.	2nd International Conference on Smart Electronics and Communication (ICOSEC), organized by Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
2.	Dr M Krishna	A Survey on Multimedia Analytics in Security Systems of Cyber Physical Systems and IoT.	2nd International Conference on Smart Electronics and Communication (ICOSEC), organized by Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu
3.	Dr N Deepak	Identification of Best Cluster from a Datasets Using Hybrid Hierarchical and Non-Hierarchical Methods.	2nd International Conference on Smart Electronics and Communication (ICOSEC), organized by Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu
4.	S.Mohan Babu Chowdary	Identification of Best Cluster from a Datasets Using Hybrid Hierarchical and Non-Hierarchical Methods.	2nd International Conference on Smart Electronics and Communication (ICOSEC), organized by Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu
5.	S.Mohan Babu Chowdary	A Survey on Multimedia Analytics in Security Systems of Cyber Physical Systems and IoT.	2nd International Conference on Smart Electronics and Communication (ICOSEC), organized by Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu
6.	S.Jaya Prakash	An Intelligent Face Detection by Corner Detection using Special Morphological Masking System and Fast Algorithm	2nd International Conference on Smart Electronics and Communication (ICOSEC), organized by Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu
7.	Dr.G.Chamundeswari	Unsupervised Learning Approach for Clustering Leaf Images	IOP Conference Series: Materials Science and Engineering
8.	P Rajendra Kumar	Parametric Analysis on Heart Disease Prediction using Ensemble based Classification	2021 Fourth International Conference on Electrical, Computer and Communication Technologies (ICECCT)
9.	Dr.M.Veera Kumari	Single and Multi objective optimal Generation Expansion planning with HVDC Systems by using HSDE Algorithm,	Proceedings of SIS 2021

Students Opted for higher Education

A total of 50 students have opted for higher education

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
1	18B81A0550	J L Bhavana	MS	CSE	University of Central MISSOURI, US
2	18B81A0561	K Mahendra Sai	MS	CSE	Fairleigh Dickinson University, New Jersey
3	18B81A0599	M Raj Kumar	MS	CSE	IIT BHILAI
4	18B81A05A3	M Revathi	MS	CSE	Fairleigh Dickinson University, New Jersey
5	18B81A05D5	Divya Raparla	MS	CSE	BOTSON University Metropolitan College
6	18B81A05F7	Devinath Sai Chowdary Uppalapati	MS	CSE	University of Bridgeport
7	18B81A1259	Devi Harshitha Nadella	MS	IT	University of Missouri-Kansas City, USA
8	18B81A1205	A Narendra Reddy	MS	IT	Western Illinois University, USA
9	18B81A1209	B Geetha Pragna	MS	IT	University of Cincinnati, USA
10	18B81A1221	Ch Harshini	MS	IT	Auburn University at Montgomery, USA
11	18B81A1232	G Santhu Priya	MS	IT	Illinois state University, USA
12	18B81A1249	M Lahari	MS	IT	South east Missouri State University, USA
13	18B81A1258	M Sravani	MS	IT	Gannon University, Pennsylvania, USA
14	18B81A1206	B Kumar	MS	IT	University of cental Missouri, USA
15	18B81A1245	K Meghana	MS	IT	grand valley state university, USA
16	18B81A1260	N Sri Vyshnavi	MS	IT	University of Central Missouri
17	18B81A1215	Bindusha Ch	MS	IT	University of Central Missouri
18	18B81A1299	V Dharani	MS	IT	Northern Arizona University
19	18B81A0423	B.Sai Tejaswi	M.Tech	ECE	University of south dakota
20	18B81A0445	K.Neelima Devi	M.Tech	ECE	University of south dakota
21	18B81A0455	S.Vinutha Valli	M.Tech	ECE	University of south dakota
22	18B81A0474	K.Yedukondalu	M.S	ECE	University of south dakota

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
23	18B81A0466	A.Sai Prasanna	M.Tech	ECE	Amrita Vishwa Vidyapeetam
24	18B81A04B0	K.Archana	M.TECH,	ECE	SRKR Engineering College
25	18B81A0472	K.Rahul	M.TECH,	ECE	Amrita Vishwa Vidyapeetam
26	18B81A04C7	Ch.Ganga Mahesh	M.Tech	ECE	University College of Engg, Kakinada
27	18B81A04F6	Vankayala Jeswin Krishna Sai	M.Tech	ECE	Amrita Vishwa Vidyapeetam
28	18B81A04G4	Yakama Harshavardhan	M.Tech	ECE	Amrita Vishwa Vidyapeetam
29	18B81A04D1	K.Sailesh	M.Tech	ECE	Mallreddy Engg College. Hyderabad
30	18B81A0476	M.Buvanesh	MS	ECE	Old dominion university, USA
31	18B81A04D0	L.V Saicharan	MS	ECE	Old dominion university, USA
32	18B81A04F2	G.Saipritam	MS	ECE	Old dominion university, USA
33	18B81A0213	Dheeravathula Sivanaik	MS	EEE	Portland State Graduate School
34	18B81A0248	Paruchuri Ramadevi	MS	EEE	University of Hertfordshire, UK
35	18B81A0239	Mokkapati Mahitha	MS	EEE	Old dominion university, USA
36	17B81A0263	VL.Narasimha	M.Tech	EEE	Difence insistute of advanced tech,DIAT
37	19B85A0250	Movva Sai Sivaram	MS	EEE	Portland State Graduate School
38	19B85A0286	Veeravalli Venu Sai	MS	EEE	University of Hertfordshire, UK
39	19B85A0288	Yallapu Naga Ganesh	MS	EEE	University of south dakota
40	18B81A0253	Pudu Venkata Ramana	MS	EEE	Portland State Graduate School
41	18B81A0314	Chandramandra Chandu	MS	MECH	University of Hertfordshire, UK
42	18B81A0324	Gajjivelli Naresh	MS	MECH	University of south dakota
43	18B81A0352	Kunduru Vasu Reddy	MS	MECH	Portland State Graduate School
44	18B81A0381	S. Ganapathi Phaneendra Vasu	MS	MECH	University of Hertfordshire, UK
45	19B85A0325	Pothala Seshu	MS	MECH	University of south dakota

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
46	18B81A0318	Cherukuri S S C Kishore	MBA	MECH	M.TECH, Warangal, NIT
47	18B81A0318	Koneru Sreekar	M.S	MECH	ARIZONE State University
48	18B81A0323	Riaz Mohammed	Masters	MECH	IU International University OF Applied SCIEN
49	18B81A0324	Penuganti Anil Kumar	MSc	MECH	MBA, KGRL Degree College, Bhimavaram
50	18B81A0129	Sagam Lakshmi Reddy	MS	CIVIL	University of south dakota

Placement Details

A total of 575 students were Placed

S.No.	Name of the Employer / Company	No. of Students Placed
1.	Wipro	144
2.	Cap Gemini	114
3.	Infosys	69
4.	Cloud Mellow	42
5.	Better Analytics	40
6.	Mindtree	23
7.	TCS	23
8.	APT Online	18
9.	VEE Technologies	17
10.	HCL	16
11.	Verzeo	12
12.	Tecnics	8
13.	Delloite	5
14.	IBM	5
15.	Virtusa	4
16.	Tech Mahindra	3
17.	Hexaware	3
18.	Harman-DTS	3
19.	Quest Global	3
20.	Teachnook	3
21.	Axiom Io	2
22.	Turing Minds	2
23.	Intellect Design Arena	2
24.	Byjus	2
25.	Jio Mart	2
26.	Syntel	1
27.	Walmart,Numeric Technologies	1
28.	KPIT	1

S.No.	Name of the Employer / Company	No. of Students Placed
29.	Sureify	1
30.	Harman Kardon	1
31.	ATOS Syntel	1
32.	Tessolve	1
33.	Sapiens	1
34.	US Tech	1
35.	ICICI Prudential	1

IQAC Coordinator

PRINCIPAL

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

Ref. No.   Date :..

ANNUAL REPORT 2020-21

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

Research Publications

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
1.	An efficient method for segmentation of noisy and non-circular iris images using improved PSO based morphological reconstructed FCM	Dr R Satish	ECE	IET - Biometrics
2.	Experimental Investigations On a VCR CI Engine Fuelled With Corn Oil Blended With Diesel And Cerium Oxide Nano Additive	B V Subramanyam	Mechanical Engineering	International journal of research and analytical review
3.	Experimental Investigations On a VCR CI Engine Fuelled With Kusum Oil Blended With Diesel And Cerium Oxide Nano Additive	Dr.J.Sudhir Kumar	Mechanical Engineering	International journal of research and analytical review I
4.	Experimental Investigations On a VCR CI Engine Fuelled With Corn Oil Blended With Diesel and Cerium Oxide Nano Additive	Sri D. Satyanarayana	Mechanical Engineering	International Journal of Scientific Development and Research
5.	An Efficient Bluetooth Scatternet Communication Algorithims for Dynamic Environments	Dr. Deepak Nedunuri	CSE	Journal of Critical Reviews
6.	Various Algorithms & Techniques Driving Data Science for Big Data	JSVG Krishna	CSE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)
7.	Private Data Distitution and New Publicize	B Ramesh Babu	Information Technology	Journal of Engineering Science

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
8.	Smart ailment identification system for paddy crop Usingmachinelearning	Dr.S.Krishna Rao	Information Technology	IJIEMR
9.	India's warfare with COVID - The invisible enemy	V.S.R.Pavan Kumar.Neeli	EEE	European Journal of Molecular and Clinical Medicine
10.	Study and Analysis of Different Data Mining Algorithms Classification for Fault Detection	D. Srinivasa Rao	Information Technology	International Journal of Advanced Science and Technology
11.	Study and Analysis of Different Data Mining Algorithms Classification for Fault Detection	J.Malathi	Information Technology	International Journal of Advanced Science and Technology
12.	Applications of plastic waste material (straws) in improving strength properties of black cotton soil	A.S.Manikantha	Civil Engineering	International Research Journal of Engineering and Technology (IRJET)
13.	Design of high speed and area efficient 45nm hybrid encoding and decoding systems using multistage LFSR	K.Radha	ECE	Science, technology and development Journal
14.	Novel Classification Technique to Reduce Sensors Deployment from Large and Vary Printing Environment	K.N.Madhavi Latha	CSE	International Journal of Research in Electronics and Computer engineering
15.	Efficient and Optimize Standard Similarity Search Scheme using Skyline Computation	K Varada Rajkumar	CSE	International Journal Of Research In Electronics And Computer Engineering
16.	An Improved Approach For Probabilistic Dual Source Location Privacy Protection Scheme In WSN	Gunupusala Satyanarayana	CSE	International Journal of Research in Electronics and Computer engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
17.	A Privacy Preserving Data Search Scheme in Cloud Computing	CH Ramadevi	CSE	International Journal Of Research In Electronics And Computer Engineering
18.	Experimental Investigation of Mechanical and Durability Performance for Palm Oil Fuel Ash Aggregates Concrete	Kuppala Srinivasa Rao	Civil Engineering	International Journal of Architecture, Engineering and Construction
19.	Analysis and Performance of mvdc distribution system with ess for wind and solar energies	M.Veera Kumari	EEE	International Journal of Electrical and Electronics Engineering (IJEEE)
20.	Stand-Alone PV System Controlled By Using Advanced Fuzzy MPPT Controller	J Ayyapa	EEE	International Journal of Electrical, Electronics and Data Communication
21.	Virtualization: Efficient Utilizationofresources	E.B.K.Manash	Information Technology	ICACIT 19
22.	Analysis and Performance of mvdc distribution system with ess for wind and solar energies	Koyi Kotaiah Chowdary	EEE	International Journal of Electrical and Electronics Engineering (IJEEE)
23.	Tracking and Automation of Images by Colour Based Processing	M.Sunil Kumar	EEE	Journal of Engineering Sciences
24.	Ultra low power and secure VLSI architecture for Dedicated short range communication applications	K.Radha	ECE	ICTACT Journal on Microelectronics
25.	Meta Data Management and its governance using Big Data Tools	J S V Gopala Krishna	CSE	High technology letters
26.	TEG Cascaded Solar PV System with Enhanced Efficiency by Using the PSO MPPT	Motepalli Sunil Kumar	EEE	International Journal of Research in Engineering, Science and Management

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
	Boost Converter			
27.	Ensemble Classification Technique For Heart Disease Prediction With Meta-Heuristic-Enabled Training System	P Rajendra Kumar	Information Technology	Bio-Algorithms and Med-Systems
28.	SS<30mV/dec; Hybrid Tunnel FET 3D Analytical Model for IoT applications	Ajaykumar Dharmireddy	ECE	Materials Today: Proceedings
29.	Facial Expression Recognition System	Marlapalli Krishna	CSE	International Journal for Innovative Engineering and Management Research
30.	A Survey on Different Methods used for Analysis of Protein-Protein Interaction Network	B Madhav Rao	CSE	International Journal of Innovative Engineering and Management Research
31.	A Survey on Different Methods used for Analysis of Protein-Protein Interaction Network	M Sampath Kumar	CSE	International Journal of Innovative Engineering and Management Research
32.	Power quality improvement through dual voltage source inverter of grid connected Renewable Energy Sources	Dr.A Srinivasa Reddy	EEE	International Journal of Research in Engineering and Science
33.	Automatic Generation Control of Hybrid Two Area Power System using Whale Optimization Algorithm	V.S.R.Pavan Kumar.Neeli	EEE	i-Manager's Journal on Electrical Engineering
34.	Power quality improvement through dual voltage source inverterof grid connected Renewable Energy Sources	B.Samba Siva Rao	EEE	International Journal of Research in Engineering and Science

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
35.	Control of Grid Frequency under Unscheduled Load Variations: A Two Layer Energy Management Controller in Urban Green Building's	S. N. V. Bramareswara Rao	EEE	International Journal of Renewable Energy Research
36.	Power quality improvement through dual voltage source inverter of grid connected Renewable Energy Sources	S. N. V. Bramareswara Rao	EEE	International Journal of Research in Engineering and Science
37.	Power quality improvement through dual voltage source inverter of grid connected Renewable Energy Sources	A. Srinivasa Reddy	EEE	International Journal of Research in Engineering and Science
38.	A new segmentation method for non-ideal iris images using morphological reconstruction FCM based on improved DSA	K.Lakshmi narayana	ECE	SN Applied Scoences A Springer Nature journal
39.	A Hybrid multi-level disease filtering framework using biomedical documents and ICD drug discovery	Konda sreenu	CSE	European Journal of Molecular & Clinical Medicine
40.	Music Listener Mood Prediction from the Lyrics Using Machine Learning	P Ramaiah Chowdary	Information Technology	International Journal of Advanced Science and Technology
41.	Analysis of Airline Connectivity System using Graph Theory	P Ramaiah Chowdary	Information Technology	International Journal of Control and Automation
42.	Impacts of Thermophoresis, Joule heating and Soret & Dufour effects on mixed convective Jeffery fluid flow over an elongated sheet	M Veeranjaneyulu	Physics	International Journal of Advanced Science and Technology

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
43.	Indian Financial Services are going green	M Veeranjaneyulu	Physics	International Journal of Advanced Science and Technology
44.	Indian Financial Services are going green	G.Balaji Prakash	Physics	International Journal of Advanced Science and Technology
45.	Hydrodynamic Lubrication of Asymmetric Rollers by Power-Law Fluids	Swetha Lanka	Mathematics	International Journal of Emerging Technologies

Organised Faculty Development Programmes

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	Recent advances in concrete technology and sustainable infrastructure	05-10-2020 to 09-10-2020	10
2	Awareness programme on OBE	16-11-2020 to 20-11-2020	23
3	Praactial Aspectes of ICT Tools and online teaching for current Senario	22-11-2020 to 27-11-2020	4
4	Embedded Systems smart sensors for IoT Applications	23-11-2020 to 28-11-2020	36
5	Mechine Learning Application on Image Processing	07-12-2020 to 11-12-2020	25
6	Design and Analysis of Solar PV Systems	07-12-2020 to 11-12-2020	18
7	Renewable energy sources	07-12-2020 to 12-12-2020	17
8	Cloud Technology	22-02-2021to 26-02-2021	28

Organised Management development programs, Professional Development / Administrative training programs

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	Photoshop	25-02-2021	14

Soft skills and Life Skills Programmes

Name of the capacity development and skills enhancement program	Date implementation	Number of students enrolled	Name of the Person
Campus Recruitment Training (CRT) Program	12-10-2020 to 22-10-2020	246	Team from Talentio
Mock Interview preparation Training (MIPT) Program	13-11-2020 to 20-11-2020	71	Team from Talentio
Career Diagostics Test (DCT'S)	30-11-2020 to 9-12-2020	637	Team from Cocubes
Cocubes Pre-Assessment-1	29-12-2020	637	Team from Cocubes
Company Specific Training (CST) Program	4-01-2021 to 11-01-2021	193	Team from Logik Works
Company Specific Training (CST) Program	12-02-2021 to 19-02-2021	137	Team from Logik Works
Mock Interview preparation Training (MIPT) Program	29-03-2021 to 31-03-2021	70	Team from Logik Works

Workshops / Seminars Conducted on R & D; IPR and EDC Cell

S No.	Name of the Programme	Details of the Resource Person	Date	Number of Participants
1.	One Day Seminar on "Innovation In Creativity In Entrepreneurship"	Dr K V Sridhar Professor, Dept of M.B.A, Sir CR Reddy College of Engineering	23/11/2020	192
2.	One day workshop on "I.P.R Enforcement and Policy"	K Raghavendra Sai Assistant Professor Department of ME SVECW, Bhimavaram	28/01/2021	47
3.	One day workshop on "How To Write A Research Paper"	Dr N CH Ramesh Babu, Assistant Professor, IIIT, Nuzvid	23/03/2021	100
4.	Webinar on "Research Paper Writing for a Scientific Journal"	Dr CH Hima Bindhu Professor& HOD-ECE, QIS College of Engineering	15/05/2021	350
5.	webinar on Innovation and Women Entrepreneurship	Vanitha D Vice Chairperson, Managing Director, ELICO Healthcare Service Ltd	20/05/2021	90

Faculty attended Conferences

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
1.	Dr.S.Krishna Rao	An Experimental Analysis of Modified EEECARP : An Optimized Cluster-Based Adaptive Routing Protocol for Modern-Secure-Wireless Sensor Networks	Novel Theories and Applications of Global Information Resource Management
2.	Dr M Krishna	A Review on Image Compression Techniques	Communication Software and Networks
3.	Dr M Krishna	A Comparatives Study of Protein Kinase Domain Regions for MAPK 1-14	Intelligent System Design
4.	Dr N Deepak	A Comparatives Study of Protein Kinase Domain Regions for MAPK 1-14	Intelligent System Design
5.	S.Mohan Babu Chowdary	A Comparatives Study of Protein Kinase Domain Regions for MAPK 1-14	Intelligent System Design
6.	P Naga Deepthi	Applications of Network Analysis in Bioinformatics	Advances in Computational and Bio-Engineering
7.	V Pranav	A Review on Image Compression Techniques	Communication Software and Networks
8.	S.Jaya Prakash	A Comparatives Study of Protein Kinase Domain Regions for MAPK 1-14	Intelligent System Design
9.	Dr. B. Madhav Rao	A Review on Image Compression Techniques	Communication Software and Networks
10.	Sai Charan	An Exposition of Speculative and Numerical Analysis of CFST Columns	IOP Conference Series: Materials Science and Engineering
11.	G. Srilatha	Design and Analysis Metamaterial Inspired Wearable Antenna for 2.45GHz ISM Band	Proceedings of the International Conference on Microelectronics, ICM
12.	Dr. K.Venkateswara Rao	Effect of tribo layer on the sliding wear behaviour of detonation sprayed alumina- titanium coatings	Smart Innovation, Systems and Technologies
13.	Dr. S. N. V. Bramareswara Rao	A Review on Schemes for Interconnecting Microgrids of Urban Buildings	International Conference on Microelectronics, Electromagnetics and Telecommunications

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
14.	B.Sambasiva Rao	Comparitive Performance Analysis of Active and Resistive Type SFCL in Reducing the Fault Curent	Innovation in Electrical and Electronics Engineering
15.	L.Vamsi Narasimha Rao	Comparitive Performance Analysis of Active and Resistive Type SFCL in Reducing the Fault Curent	Innovation in Electrical and Electronics Engineering
16.	Ravilla Madhusudan	Comparitive Performance Analysis of Active and Resistive Type SFCL in Reducing the Fault Curent	Innovation in Electrical and Electronics Engineering
17.	G. Ganesh	Comparitive Performance Analysis of Active and Resistive Type SFCL in Reducing the Fault Curent	Innovation in Electrical and Electronics Engineering
18.	Vurla Veerraju	Image Fusion of X-ray Mammography Using Weighted Averaging GA-Based SWT Technique	Microelectronics, Electromagnetics and Telecommunications

Students Opted for higher education

A total of 32 students have opted for higher education

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
1	17B81A0507	Alapathi Harshitha Chowdary	CSE	M.S	Northwest Missouri State University
2	17B81A0517	Anne Suraj Krishna	CSE	M.S	University Of Texax At Dallas
3	17B81A0524	Bongu Venkata Durga Pranitha	CSE	M.S	Georgia State University
4	17B81A0540	Eagala Devika	CSE	M.S	George Mason University
5	17B81A0546	Gantha Anusha	CSE	M.S	Sacred Heart University
6	17B81A0548	G Meghana	CSE	M.S	Georgia State University
7	17B81A0562	G Jaswith Chowdary	CSE	M.S	Pace University
8	17B81A0572	K Lahari	CSE	M.S	Portland State Graduate School
9	17B81A05A4	M Ambica	CSE	M.S	Wichita State University
10	17B81A05C8	P Sai Koushik	CSE	M.S	Depaul University
11	17B81A05E3	S Lavanya	CSE	M.S	Southeast Missouri State University
12	17B81A05G3	U Dekshitha	CSE	M.S	Stevens Institute of Technology

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
13	17B81A1251	K Venkata Jagadeesh	I.T	M.S	University of South Dakota, US
14	17B81A1275	N. Jahnavi	I.T	M.S	New England college, US
15	17B81A0429	Ch.Teja	ECE	M.Tech	VITMEE,VIT Amaravathi
16	17B81A0411	Baddi Mohan	ECE	M.S	Wichita State University
17	17B81A04D6	Seru Hepsiba	ECE	M.S	DEPAUL University
18	17B81A0434	Dudla Pravallika	ECE	M.S	Southeast Missouri State University
19	17B81A04G7	Vanukuri Mallika	ECE	M.S	Stevens Institute of Technology
20	17B81A0444	Gullapalli Ramya Sai Lakshmi	ECE	M.S	DEPAUL University
21	17B81A0484	Manchineni Reshma	ECE	M.S	DEPAUL University
22	18B85A0423	Masarapu Satish	ECE	M.S	Wichita State University
23	18B85A0407	Ch.prudhvi	ECE	M.Tech	VITMEE,VIT Amaravathi
24	18B85A0401	A.Vamsi Krishna	ECE	M.Tech	VITMEE,VIT Amaravathi
25	17B81A0207	Avuduri Ayyappa Reddy	EEE	M.S	Georgia State Univeristy
26	17B81A0251	Kilaru Satish Kumar	EEE	M.S	Pace Univesity
27	17B81A0288	Pyla J S S S N Prasad	EEE	M.S	Portland State Graduate School
28	18B85A0209	Chillimuntha Srinivasa Rao	EEE	M.S	Wichita State University
29	17B81A0395	Veeravalli Teja Sri	MECH	M.S	Depaul University
30	18B85A0330	Remalli Krishna Chaitanya	MECH	M.S	Georgia State Univeristy
31	17B81A0318	Ch Bhargav Chowdari	MECH	M.Tech	M.Tech. MNIT, Jaipur
32	17B81A0393	V Ramya Srilekha	MECH	MS	MS, Stevens University

Placement Details

A total of 511 students were Placed

S.No.	Name of the Employer / Company	No. of Students Placed
1.	Accenture	75
2.	TCS	65
3.	Infosys	61
4.	Cognizant	48
5.	Cloud Mellow	47
6.	VEE Technologies	45
7.	Wipro	37
8.	Better Analytics	25
9.	NNIIT	18
10.	Capgemini	16
11.	VEM Technologies	9
12.	Just Dial	8
13.	ICICI Prudential	5
14.	FIS	4
15.	IBM	4
16.	Efftronics	3
17.	Mindtree	3
18.	Syntel	2
19.	TATA ELXSI	2
20.	ACHERON	1
21.	AMDOCS	1
22.	Apps Associates	1
23.	APT Online	1
24.	ATOS Syntel	1
25.	Byjus	1
26.	Centime	1
27.	CGI	1
28.	DIGIT	1
29.	EELLC	1
30.	EY	1
31.	FORD	1
32.	HCL	1
33.	HTC Global Services	1
34.	Infytq	1
35.	Kantar	1
36.	Kapil Power	1
37.	KPIT	1
38.	LTI	1
39.	Mando Softech Pvt Ltd	1
40.	Maven Silicon	1
41.	RDS INFOTECH	1
42.	Reva Solutions	1
43.	Rising stars mobile India Pvt Ltd.	1
44.	Sophos	1

S.No.	Name of the Employer / Company	No. of Students Placed
45.	Status Globle	1
46.	TEACHNOOK	1
47.	TechMahindra	1
48.	TECNICS	1
49.	Temenos	1
50.	Torry Harris Integrated Solutions	1
51.	TRIANZ	1
52.	TVS ES	1
53.	Verisk	1

IQAC Coordinator

PRINCIPAL

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

SIR C R REDDY COLLEGE OF ENGINEERING

ELURU - 534 007, Eluru Dist., A.P., INDIA

ACCREDITED BY NBA, APPROVED BY ALL INDIA COUNCIL FOR TECHNICIAL EDUCATION, NEW DELHI,
PERMANENTLY AFFILIATED TO JNTUK, KAKINADA

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Ref. No.

Date :..

ANNUAL REPORT 2019-20

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

Research Publications

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
1.	In Silico Prediction of an Unknown Function of a Protein Using Bioinformatics Tools	Dr. A. Yesubabu	CSE	International journal of research in electronics and computer engineering
2.	Collaborative Filtering Using Deep Learning Based Recommender Model	Marlapalli Krishna	CSE	International Journal of Research In Electronics And Computer Engineering
3.	A Degree of Realism Commendation Reproduction Established Accompanied by Customer Conviction and Product Ranking	Gopala Krishna	CSE	International journal of research in electronics and computer engineering
4.	Fuzzy Identity-Based Encryption Data Service with Security Auditing in Clouds	Gadi Nirmala	CSE	International Journal of Research in Electronics and Computer engineering
5.	Phylogenetic Tree Construction For Highly Conserved Mitogen Activated Protein Kinases	Dr. G. Nirmala	CSE	International journal of research in electronics and computer engineering
6.	Phylogenetic Tree Construction For Highly Conserved Mitogen Activated Protein Kinases	Dr. Deepak Nedunuri	CSE	International journal of research in electronics and computer engineering
7.	Systematic Spatial Keyword Perception Suggestive Travel Route Recommendation Algorithm	Dr Deepak Nedunuri	CSE	International journal of research in electronics and computer engineering
8.	In Silico Prediction of an Unknown Function of a Protein Using Bioinformatics Tools	Dr. Deepak Nedunuri	CSE	International journal of research in electronics and computer engineering
9.	K-Rle Compression Using Vhdl	Naga Madhavi Latha Kakarla	CSE	International Journal of Research in Electronics and Computer engineering
10.	A Novel Implementation of Learning Based Pre-Fetching In Portable Online Public	Ch. Rama Devi	CSE	International Journal of Research in Electronics and Computer Engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
	Association			
11.	Machine Learning Models and Its Applications in Bioinformatics – A Study	Rama Devi Chalasani	CSE	International Journal of Research in Electronics and Computer engineering
12.	A Survey on Methods of Phylogenetic Analysis for Constructing Phylogenetic Tree	B Madhava Rao	CSE	International Journal of Research in Electronics and Computer engineering
13.	Restrict disseminate denial of service flooding problems with change Routing Identifiers	B Madhava Rao	CSE	International journal of research in electronics and computer engineering
14.	Analysis of Purned Protein Interaction Network Using Diffusion Method	B Madhav Rao	CSE	International journal of research in electronics and computer engineering
15.	Preprocessing of Breast Cancer Protein Expressions Using Correlation Co-Efficient Factors	B Madhav Rao	CSE	Journal of Applied Science and Computations
16.	Sequestration Security based Cloud Access Control Using Symmetric Cryptography Algorithm	K. Varada Rajkumar	CSE	International journal of research in electronics and computer engineering
17.	Hardware And Software Execution Fault Detection Using Round Trip Delays (Rtd's) And Paths (Rtp')S In Wireless Sensor Network	G. Satyanarayana	CSE	International Journal of Research in Electronics and Computer engineering
18.	An effective and efficient secured ranked multi keyword search over distributed clouds	P. N. Deepthi	CSE	International Journal of Research in Electronics and Computer engineering
19.	Resolving Top-k High Utility Itemsets Mining Problem without Setting Minimum Utility Thresholds	M. Madhava Rao	CSE	International journal of research in electronics and computer engineering
20.	A Review on Flow Control using Computer Networks	Vahiduddin Shariff	CSE	International Journal of Research in Electronics and Computer engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
21.	Providing an Adaptive Setup for Media-Content Sources	V Pranav	CSE	International journal of research in electronics and computer engineering
22.	A Review on Flow Control using Computer Networks	T. Koti Mani Kumar	CSE	International Journal of Research in Electronics and Computer engineering
23.	A Cost-Effective Paradigm For Multiple Intermediate Datasets Using Upper-Bound Constraint Approach	Rama lakshmi Boyapati	CSE	International Journal of Research in Electronics and Computer engineering
24.	Fuzzy Identity-Based Encryption Data Service with Security Auditing in Clouds	CH Srinivas	CSE	International Journal of Research in Electronics and Computer engineering
25.	Modeling and Analysis of Gantry Crane with Different Materials Using Fem	Dr. M. Sri Rama Murthy	Mechanical Engineering	International Journal of Scientific Development and Research
26.	Modeling and Crash Analysis of Car Integral Frame Using Fem Method Integral Frame Using Fem Method	K.V.P.P. Chandu	Mechanical Engineering	International Journal of Scientific Development and Research
27.	A Review on Effects of Mobile SIM Radiation	Dr Satyanarayana Kotha	Information Technology	International Journal of Research in Electronics and Computer Engineering
28.	A Model to Detect and Minimize of Mobile Radiation using IoT	Dr Satyanarayana Kotha	Information Technology	International Journal of Research in Electronics and Computer Engineering
29.	Phylogenetic tree construction for highly conserved mitogen activated protein kinases	Dr Satyanarayana Kotha	Information Technology	International Journal of Research in Electronics and Computer Engineering
30.	Efficient method for segmentation of noisy and non-circular iris images using improved particle swarm optimisation-based MRFCM	Dr R Satish	ECE	The Institution of Engineering and Technology 2019
31.	Performance analysis of Tri-Gate SOI FinFET structure with various fin	Ajaykumar Dharmireddy	ECE	Journal of Advanced Research in Dynamical and Control Systems

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
	heights using TCAD simulation			
32.	Experimental Investigation on Performance and Emission characteristics of DI Diesel Engine using Canola oil as Bio-diesel fuel	Dr. M. Sri Rama Murthy	Mechanical Engineering	International Journal of Thermal Technologies Vol.9, No.1 (March 2019)
33.	Rainfall Prediction Using Bpnn	M Krishna	CSE	International Journal Of Innovative Technology And Exploring Engineering
34.	An Effective Security Verification Model for Big Data by using Potent key length for real time systems	J.S.V.G. Krishna	CSE	International Journal of Recent Technology and Engineering (IJRTE)
35.	Rainfall Prediction Using Bpnn	S Mohanbabu Chowdary	CSE	International Journal Of Innovative Technology And Exploring Engineering
36.	Application of Fuzzy K-Means (FKM) Algorithms in Identifying Better Clusters of Few Drugs from Drug bank Database	Naga Madhavi Latha Kakarl	CSE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)
37.	An efficient method for segmentation of noisy and non-circular iris images using optimal multilevel thresholding	Dr R Satish	ECE	Journal of Advanced Research in Dynamical and Control Systems
38.	Image Forgery Detection by using Machine Learning	J.Malathi	Information Technology	International Journal of Innovative Technology and Exploring Engineering
39.	Smart Women to Built Smart Society	M.Veera Kumari	EEE	Journal of Emerging Technologies and Innovative Research
40.	Smart women to Built Smart Society	Syed Zareena	English	JETIR(Journal For Emerging Technologies and Innovative Research
41.	Anisotropic Image Restoration Based on Image Inpainting with	Marlapalli Krishna	CSE	International Journal of Recent Technology and Engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
	Diffusion Enhancement			
42.	Performance Analysis of Impedance Source Converter in Different Load Conditions	T. KrantiKiran	EEE	International Journal of Engineering and Advanced Technology (IJEAT)
43.	Performance Analysis of Impedance Source Converter in Different Load Conditions	Mr.N.Rama Narayana	EEE	International Journal of Engineering and Advanced Technology (IJEAT)
44.	Improved Grid Tied Inverter Based Microgrid Control Strategies With Reduced THD	J Ayyapa	EEE	International Journal of Research(UGC)
45.	A Fuzzy Based STATCOM-Control Scheme For Grid Connected Wind Energy System For Power Quality Improvement	M.Sunil Kumar	EEE	International journal of research
46.	Performance Analysis of Impedance Source Converter in Different Load Conditions	L. VamsiNarasimha Rao	EEE	International Journal of Engineering and Advanced Technology (IJEAT)
47.	Power Quality Improvement with Multilevel Inverter Based IPQC for Microgrid	A Durga Prasad	EEE	International Journal for Modern Trends in Science and Technology
48.	A Scalable Method for Detection of Hate Speech by Collecting Hateful and Offensive Expressions	Dr. G. Nirmala	CSE	International journal of research in electronics and computer engineering
49.	Enhanced Localization in Wsn	G. Satyanarayana	CSE	International Journal Of Research In Electronics And Computer Engineering
50.	A Novel Approach For Travel Route Recommendation Algorithm Using Systematic Spatial Keyword	Dr Deepak Nedunuri	CSE	International Journal Of Research In Electronics And Computer Engineering
51.	Anisotropic Image Restoration Based on Image Inpainting with Diffusion Enhancement	V Pranav	CSE	International Journal of Recent Technology and Engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
52.	Intrusion Filtration System (IFS) - Implementation of Security Model	Krishna M	CSE	International Journal of Engineering and Advanced Technology (IJEAT)
53.	A machine Learning Access for selection of influential variables of several ITK Inhibitors using Regression Research	Rama Devi Ch	CSE	International Journal of Recent Technology and Engineering (IJRTE)
54.	Intrusion Filtration System (IFS) - Implementation of Security Model	S K Chaitnaya Rudraraju	CSE	International Journal of Engineering and Advanced Technology (IJEAT)
55.	Intrusion Filtration System (IFS) - Implementation of Security Model	V.Shariff	CSE	International Journal of Engineering and Advanced Technology (IJEAT)
56.	Controlling And Voltage Balancing Of A New H-Bridge Hybrid Modular Converter (Hbhmc) For Hvdc Application By Using Fuzzy Logic Controller	A.Srinivasa Reddy	EEE	International journal of analytical and experimental modal analysis
57.	Controlling And Voltage Balancing Of A New H-Bridge Hybrid Modular Converter (Hbhmc) For Hvdc Application By Using Fuzzy Logic Controller	B.Sambasiva Rao	EEE	International journal of analytical and experimental modal analysis
58.	Design of A NEMS Cantilever Sensor for Explosive Detection	Ajaykumar Dharmireddy	ECE	International Journal of Engineering and Advanced Technology
59.	Design of A NEMS Cantilever Sensor for Explosive Detection	P H S Tejomurthy	ECE	International Journal of Engineering and Advanced Technology
60.	Renewable Energy Hybrid Power System with Improvement of Power Quality in Grid by using DVSI	Koyi Kotaiah Chowdary	EEE	International Research Journal of Engineering and Technology (IRJET)
61.	Ancillary Service Management to Improve the Transient Stability in Deregulation Environment	Y Butchi Raju	EEE	International Journal of Information Technology and Electrical Engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
62.	Enormous Information Examination using Big Data in a Distributed Environment with Profound Learning of Next Generation Interruption Identification Framework Enhancement	JSVG Krishna	CSE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)
63.	A novel approach for identification of possible GSK-3β inhibitors using virtual screening analysis of drugs	Naga Madhavi Latha Kakarla	CSE	International Journal of Computational Biology and Drug Design
64.	Implementation of Minigrid with Hybrid Renewable Energy Sources for Urban Community Buildings	S. N. V. Bramareswara Rao	EEE	International Journal of Recent Technology and Engineering
65.	Spammers Detection on Twitter by Automated Multi Level Detection system	Y.Siva Koteswara Rao	Computer Science & Engineering	International Journal on Future Revolution in Computer Science & Communication Engineering
66.	Performance Analysis of Double Gate Hetero Junction Tunnel Fet	Ajaykumar Dharmireddy	ECE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)
67.	A Novel Hybrid Precoding Techniquefor Spectrum and Energy Efficient Relay's used in Millimeter Wave Massive MIMO Systems	K. Lakshmi Narayana	ECE	Journal of Advanced Research in Dynamical and Control Systems
68.	Design of a Compact Sectorial MIMO Antenna for Base Station Systems	Venkateswara Rao Tumati	ECE	Journal of Advanced Research in Dynamical and Control Systems
69.	Design of a Compact Sectorial MIMO Antenna for Base Station Systems	Nallamothu Suneetha	ECE	Journal of Advanced Research in Dynamical and Control Systems
70.	Design of a Compact Sectorial MIMO Antenna for Base Station Systems	Paladugu Sowmithri	ECE	Journal of Advanced Research in Dynamical and Control Systems
71.	Analysis on soft fuzzy clustering methods to cluster drugs from virtual screening paradigm as probable GSK-3 beta inhibitors against diabetes	Naga Madhavi Latha Kakarla	CSE	Journal of Advance Research in Dynamical & Control Systems

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
72.	Implementation of Artificial Neural Network	NVSK Vijaya Lakshmi K	Information Technology	IJIEMR

Organised Faculty Development Programmes

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	Research in education Methodologies and best Practice for Faculty	26-08-2019 to 30-08-2019	26
2	Bio Medical Signal Processing and Applications	01-11-2019 to 14-11-2019	11
3	Research Methodology	03-11-2019 to 08-11-2019	4
4	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019	12
5	Problem solving techniques C and DS	11-11-2019 to 16-11-2019	6
6	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019	19
7	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019	28
8	Digital Manufacturing and Design	17-02-2020 to 22-02-2020	17

Organised Management development programs, Professional Development / Administrative training programs

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	MS-Office	18-12-2019	14

Workshops / Seminars Conducted on R & D; IPR and EDC Cell

S.No.	Name of the Programme	Details of the Resource Person	Date	Number of Participants
1.	One day workshop on "Intellectual Property Rights"	Novel IPR Academy, Vishakapatnam	12/07/2019	170
2.	Workshop on "Intellectual Property Rights"	Novel IPR Academy, Vishakapatnam	13/7/2019	70

S.No.	Name of the Programme	Details of the Resource Person	Date	Number of Participants
3.	One Day Seminar on "Research Topic Selection & Defining Research Problem"	Dr G Loshma Professor, Department of CSE, Sri Vasavi Engineering College	16/9/2019	21
4.	One Day Seminar on "Research methodology"	S Sai Charan Assistant Professor, Department of CE, Gudlavalleru Engineering College	10/09/2019	63
5.	Workshop on "Entrepreneurship skills"	P Dhana Prakash Managing Director, Model Diry Pvt Ltd, Nidamanuru	17/10/2019	40
6.	One Day Seminar on "Sustainable Entrepreneurship"	N Sridhar, Assistant Professor Department of MBA Sir CR Reddy College of Engineering	17/10/2019	177
7.	Guest Lecture on "Brand Building And Marketing Traits In Entrepreneurship"	Ganesh Nag D C.E.O,Brain-o-Vision Pvt Ltd, Hyderabad	29/01/2020	95
8.	A Seminar on "Entrepreneurship and India :Strategies for Transformation and Growth"	V C H Venkaiah Professor, Central University, Hyderabad	28/02/2020	90
9.	One day Guest Lecture on Research opportunities in Electrical Engineering	G V Rama Krishna Assistant Executive Engineer(ELEC)-shift, Vidyut Soudha,Vijayawada	06/03/2020	100

Soft skills and Life Skills Programmes

Name of the capacity development and skills enhancement program	Date implementation	Number of students enrolled	Name of the Person
Motivational talk and personality development program	11-11-2019	670	Sri Vilasa Vigraha Das, ISKON-Eluru
Datta kriya yoga	11-03-2020	650	Sri Venugopal Lunani,
Campus Recruitment Training (CRT) Program	01-05-2019 to 13-05-2019	447	Team from Talentio
Campus Recruitment Training (CRT) Program	17-06-2019 to 29-06-2019	494	Team from Talentio
Company Specific Training	27-07-2019 to	378	Team from Talentio

	(CST) Program	31-07-2019		·
	Company Specific Training (CST) Program	10-10-2019 to 17-10-2019	331	Team from Talentio
	Company Specific Training (CST) Program	18-11-2019 to 28-11-2019	213	Team from Talentio
	Hiremee(AssessmentTest)	20-12-2019	323	Team from Vee Technologies

Faculty attended Conferences

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
1.	Dr. ASrinivasa Reddy	Shuffled Differential Evolution Algorithm Based Combined Heat and Power Emission Dispatch	Computational Intelligence in Pattern Recognition
2.	J.S.V. Gopala Krishna	Quick Certification Cellular phone IP Contrasted to Ranked Cellular phone IP	International conference on computer vision and machine learning
3.	T. Rama Krishna	Effects of Post-weld Heat Treatment on Microstructure and Mechanical Behavior of Friction Stir Welded Thick Section Al–Zn–Mg–Cu Alloy	Advances in Engineering Design
4.	Vahiduddin Shariff	New distributed routing algorithm in wireless network models	International conference on computer vision and machine learning
5.	Sri Ch. Pavan Kumar	Experimental Study on Laser Welding of AISI 304 Steel with Design of Experiments Approach	Materials Science and Engineering 577 (2019) 012117
6.	M. MadhavaRao	Quick Certification Cellular phone IP Contrasted to Ranked Cellular phone IP	International conference on computer vision and machine learning
7.	Sri S.V. Gopala Krishna	Mechanical characteristics of Al-Al2O3-SiC metal matrix composites made by stir casting technique	Materials Science and Engineering 653 (2019)
8.	D. Srinivasa Rao	Providing An Adaptive Setup For Media-Content Sources.	International conference on computer vision and machine learning
9.	Dr N Deepak	A Novel Approach To Compress DNA Repetative Sequences In Bioinformatics	International conference on computer vision and machine learning
10.	Samparthi V S Kumar	A Novel Approach To Compress DNA Repetative Sequences In Bio-Informatics	International conference on computer vision and machine learning
11.	M. Narendra kumar	Azolla Cultivation Through	International Conference on

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
		IOT by Using Arm Cortex-M0	Advanced Communication Technologies
12.	V. Veerraju	Mitigate the Travelling Time in WSN using Cluster-Data Based Tour Planning Algorithm	International Conference on Advanced Communication Technologies
13.	K. J. Silva Lorraine	Smart Antenna Beam forming using LCMV&MVDR algorithms	International Conference on Advanced Communication Technologies
14.	VenkateswaraRao. Tumati	Analysis on Mutual Coupling Effects of Linear Patch Antenna Array Using HFSS for Phased Array Radar Applications	International Conference on Advanced Communication Technologies
15.	P H S T Murthy	Implementation of Car Parking System through FPGA	International Conference on Advanced Communication Technologies
16.	.CH.Ravi Kumar	Linear Block Codes Reduced Subpacketization with Caching Schemes	International Conference on Advanced Communication Technologies
17.	M N Venkatesh Babu	Mutual Coupling Reduction Between Microstrip Patch Antennas Using Slotted-Complementary Split-Ring Resonators	International Conference on Advanced Communication Technologies
18.	Greeshma	High Speed and Low Power Comparator for High SpeedADCs	International Conference on Advanced Communication Technologies
19.	M Lavanya	High Speed and Low Power Comparator for High SpeedADCs	International Conference on Advanced Communication Technologies
20.	K Radha	High Speed and Low Power Comparator for High SpeedADCs	International Conference on Advanced Communication Technologies
21.	N Swathi	Hybrid Smart Home Control System	International Conference on Advanced Communication Technologies
22.	H. Sudhakar	An Efficient and Dynamic Query Compressive Wireless Sensing Networks.	International Conference on Advanced Communication Technologies
23.	P.Sowmithri	Design of Ternary Logic Arithmetic Circuits Using CNTFET	International Conference on Advanced Communication Technologies
24.	K.Lakshmi narayana	AoD-Adaptive Subspace Codebook for Channel Feedback in FDD Massive MIMO Systems	International Conference on Advanced Communication Technologies

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
25.	Dr.P.H.S.Tejo Murthy	Home Automation Through Field Programmable Gate Array	International Conference on Advanced Communication Technologies
26.	M VamsiKrishna Allu	Low Power Full Addres By Exploring New EX-OR AND OR NORNORS Gates	International Conference on Advanced Communication Technologies
27.	Dr.VenkateswaraRao Tumati	Four Element MIMO antenna for K band and Ka Band Applications	International Conference on Advanced Communication Technologies
28.	I.Hemalatha	Estimation of Different Parameters In Cellular Mobile Communication	International Conference on Advanced Communication Technologies
29.	Miranji Katta	Audio and Text Transmission Using LI-FI Technology	International Conference on Advanced Communication Technologies
30.	Lavanya nadella	CBIR Based On SURF With Color Histogram	International Conference on Advanced Communication Technologies
31.	R.Trinadh	Design of Power Efficient Approximate Multipliers	International Conference on Advanced Communication Technologies
32.	V.Swathi	Fault Detection Method In NoC Routers	International Conference on Advanced Communication Technologies
33.	H.Sudhakar	Monitoring and Controlling of Mushroom Cultivation Through IOT	International Conference on Advanced Communication Technologies
34.	V.Surendra Babu	Opc Based Scada System in Visakhapatnam Steel Plant	International Conference on Advanced Communication Technologies
35.	N. Suneetha	An Efficient Programmable Logic BIST Module	International Conference on Advanced Communication Technologies
36.	K.Lavanya	Design and Analysis of Low Power SRAM cells	International Conference on Advanced Communication Technologies
37.	K.Radha	Design and Analysis of Low Power SRAM cells	International Conference on Advanced Communication Technologies
38.	CH Jayaprakash	Implementation of Hamming Code Using Verilog	International Conference on Advanced Communication Technologies
39.	R.Satish	Face Recognition Using CRF Model	International Conference on Advanced Communication Technologies
40.	Ch.RaviKumar	Optimization of 2G/3G Networks for Improvement of Handover	International Conference on Advanced Communication Technologies

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
41.	P.Hareesh	Arduino Based Gesture To Speech Conversion For The Mute Community	International Conference on Advanced Communication Technologies
42.	Ch.Madhava Rao	Smart Irrigation System Using Raspberry PI	International Conference on Advanced Communication Technologies
43.	G.Venkat Rao	BrainTumor Detection Method Using METandFuzzy C-MeansClusteringAlgorithm	International Conference on Advanced Communication Technologies
44.	V.Vamsi Sudheera	Improved BSC and Systematic polar code channel estimation in wireless 5G	International Conference on Advanced Communication Technologies
45.	Hemalatha Inteti	Real Time Imaging and Signal Analysis Using Radar Sensor	International Conference on Advanced Communication Technologies
46.	V. Ranjith Kumar	Heart Stroke Forecasting and Health Parameters Analysisi Using Python	International Conference on Advanced Communication Technologies
47.	V.Vamsi Sudheera	Detection of Targets up to maximum unambiguous range using FMCW RADAR	International Conference on Advanced Communication Technologies
48.	K.J.Silva Lorraine	Mitigation of Near-Far Effect in Pseudolite Based On Beamforming	International Conference on Advanced Communication Technologies
49.	Dr PHS Tejo Murthy	A Soft Error Tollerance Technique For Combinational Circut Using D FlipFlop Based on Selectie Transistor Redundancy	International Conference on Advanced Communication Technologies
50.	CH Jayaprakash	A Soft Error Tollerance Technique For Combinational Circut Using D FlipFlop Based on Selectie Transistor Redundancy	International Conference on Advanced Communication Technologies
51.	VenkateswaraRao Tumati	Enhancement 2×2 Compact Extended MIMO-Antenna	International Conference on Advanced Communication Technologies

Students Opted for higher education

A total of 40 students have opted for higher education

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
1	316177110062	Kalvakunta Divya Sree	CSE	MS	University of Texas
2	316177110074	Lal Krishna Kondapaneni	CSE	MS	University of Centrol Missouri
3	316177110094	M T Likhitha Sri	CSE	M.Tech	JNTUH,Hyderabad
4	316177110104	M Sneha pratyusha	CSE	MS	University of Leicester
5	316177110116	pooja pathuri	CSE	MS	University of Texas
6	316177110138	Mothukuri Rushika	CSE	MS	University of Texas
7	316177110162	Tummala Sai Prakesh	CSE	MS	California State University
8	316177110169	V Teja Sree Sai Durga	CSE	MS	University of Colorado
9	316177111073	M. Ravi Teja	I.T	M.S	Western Michigan University
10	316177111090	P. Krishna Sai	I.T	Masters	Portland State Graduate School
11	316177111022	Ch Dwarakanath	I.T	MSc	University of Hertfordshire, UK
12	316177111027	Ch Ravi Teja	I.T	MSc	N C STATE University, UK
13	316177111032	D Manoj	I.T	MSc	University of Central Missouri, USA
14	316177111119	Y Subba Reddy	I.T	MS.IT	Southern New Hampshire University,USA
15	316177111042	G Gowtham	I.T	Masters	University of Michigan, USA
16	316177111065	K.L. Sujith chowdary	I.T	MSC	University of Missouri-Kansas
17	316177111005	Mounika Anumolu	IT	MS	MJIT ,New Jersy
18	316177112055	H.Navya	ECE	MS	VITMEE,VIT Amaravathi
19	316177112125	P.SaiMukhesh	ECE	MS	Portland State Graduate School
20	316177112171	V.Saiesh	ECE	MS	Portland State Graduate School
21	316177112019	B.Yamini Venkata Lakshmi	ECE	MS	M.Tech. MNIT, Jaipur
22	316177112160	U. Manohar Srinivas	ECE	MS	M.Tech. MNIT, Jaipur
23	316177112014	B.Sai Tejaswi	ECE	MS	University of Michigan, USA

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
24	316177112082	K.Neelima Devi	ECE	MS	M.Eng. Engineering Management
25	316177112134	S.Vinutha Valli	ECE	MS	M.Eng. ENGINEERING MANAGEMENT
26	316177112113	Vinay kumar.N	ECE	M.Tech	VITMEE, VIT Amaravathi
27	316177112071	K.Sailesh	ECE	MS	VITMEE, VIT Amaravathi
28	316177114005	Andrangi Sriramakrishna	EEE	MS	Portland State Graduate School
29	316177114030	Garika Yashwanth	EEE	MS	Portland State Graduate School
30	316177114070	Musunuri Poojaswi	EEE	MS	University of Texas
31	316177114093	Sakalabathula Sireesha	EEE	MS	University of Michigan, USA
32	316177114139	Gorrela Venkatesh	EEE	MS	Arizone State University
33	316177114172	Sampathirao Sai Venkata Appala Raju	EEE	MS	Arizone State University
34	316177114183	Yalla Kiran Kumar	EEE	MS	Portland State Graduate School
35	316177120018	Cherukuri S S C Kishore	MECH	M.TECH,	M.TECH, Warangal
36	316177120043	Koneru Sreekar	MECH	MA,	ARIZONE STATE UNIVERSITY
37	316177120127	Riaz Mohammed	MECH	MEM	IU International University of Applied Scien
38	316177120075	Penuganti Anil Kumar	MECH	MBA	MBA, KGRL Degree College, Bhimavaram
39	316177108038	Metikota Namratha	CIVIL	MS	UNIVERSITY OF TEXAS
40	316177108063	Inumula Leela Kasi Viswanadh	CIVIL	MS	University of Michigan, USA

Placement Details

A total of 500 students were Placed

S.No.	Name of the Employer / Company	No. of Students Placed
1.	VEE Technologies	61
2.	TCS	54
3.	Western Shipping	52
4.	Cloud Mellow	48
5.	Cognizant	41
6.	SHELLPRO Technologies	36
7.	Better Analytics	22
8.	Just Dial	19
9.	Infosys	14
10.	Wipro	14
11.	Efftronics	11
12.	Deepak Nexgen	11
13.	Teleperformance	9
14.	Talentio	8
15.	Accenture	7
16.	Tech Mahindra	6
17.	VEM TECHNOLOGIES	6
18.	IBM	5
19.	Yo Snapps	5
20.	TR Staffing	5
21.	CGI	4
22.	Pixentia, Shellpro Technologies	4
23.	HCL	3
24.	Capgemini	3
25.	Panchayatraj Digital Assistant	3
26.	Infy Tq	2
27.	Virtusa	2
28.	Arete IT Services pvt ltd	2
29.	Rising stars mobile India Pvt Ltd.	2
30.	Divis Laboratories	2
31.	APT Online	2
32.	Supraja Technologies,Shellpro Technologies	1
33.	IVIS	1
34.	ATOS SYNTEL	1
35.	Mind Tree	1
36.	WNS	1
37.	BORN	1
38.	UTS	1
39.	Pro Karma	1
40.	Cloud 4C	1
41.	Cisco systems	1
42.	Chip on time Technologies	1
43.	High Radius	1
44.	Cyient	1

S.No.	Name of the Employer / Company	No. of Students Placed
45.	Amararaja Batteries	1
46.	TVS Educational Society	1
47.	Digital Assistant - AP Sec	1
48.	FINSOL	1
49.	Nxtwave Disruptive Technologies	1
50.	ALGONO	1
51.	ARTIFINT technologies	1
52.	BYJUS	1
53.	Cloud Odyssey	1
54.	Broadridge Financial Solutions	1
55.	BPM Microsystem	1
56.	HERO	1
57.	Ekalasaala	1
58.	Congruent	1
59.	Growth Hub	1
60.	Developer – RPA	1
61.	Trigeo Technologies Pvt Ltd	1
62.	Indian Coast Guard as Navik (GD)	1
63.	Systems Engineer	1
64.	MECH Engineer	1
65.	Engineering Assistant, Ap Grama Sachivalayam	1
66.	Trainee Engineer	1
67.	Madhees Consulting	1
68.	Toppr	1

IQAC Coordinator

PRINCIPAL

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

Ref. No.

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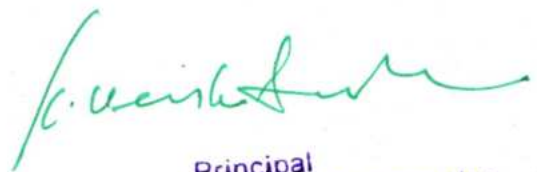
ANNUAL REPORT 2018-19

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

Research Publications

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
1.	Comparative Analysis of SPSO and PSO to Optimal Power Flow Solutions	Mr.N.Rama Narayana	EEE	International Journal for Research in Applied Science & Engineering Technology
2.	Experimental Studies on a VCR Diesel Engine using Blends of Diesel Fuel with Karanja Bio-Diesel	Dr.J.Sudhir Kumar	Mechanical Engineering	International Journal for Research in Engineering Application & Management (IJREAM) Vol-04, Issue-05, Aug 2018
3.	Experimental Studies on a VCR Diesel Engine using Blends of Diesel Fuel with Karanja Bio-Diesel	Sri D.Satyanarayana	Mechanical Engineering	International Journal for Research in Engineering Application & Management (IJREAM) Vol-04, Issue-05, Aug 2018
4.	Experimental Studies on a VCR Diesel Engine using Blends of Diesel Fuel with Karanja Bio-Diesel	A.S.Ganapathi	Mechanical Engineering	International Journal for Research in Engineering Application & Management (IJREAM) Vol-04, Issue-05, Aug 2018
5.	Experimental Studies on a VCR Diesel Engine using Blends of Diesel Fuel with Karanja Bio-Diesel	Ms. K. V. Kalyani	Mechanical Engineering	International Journal for Research in Engineering Application & Management (IJREAM) Vol-04, Issue-05, Aug 2018
6.	Transient Stability Performance Analysis of Multimachine Power System using Facts Device	Dr Y Butchi Raju	EEE	SSRG International Journal of Electrical and Electronics Engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
7.	Fabrication And Optimization Of Wear Parameters On Al 2024-Gr- B4C Hybrid Mmcs during Machining Process	Sri A. Srinivasa Rao	Mechanical Engineering	International Journal of Applied Engineering Research Volume 13, Number 12 (2018)
8.	Fabrication And Optimization Of Wear Parameters On Al 2024-Gr- B4C Hybrid Mmcs during Machining Process	Sri B.V. Subrahamanyam	Mechanical Engineering	International Journal of Applied Engineering Research Volume 13, Number 12 (2018)
9.	A New Resource Allocation Algorithm For Cloud Based On Available PMs And VMs	T.Satya Nagamani	Information Technology	International Journal of Innovative Technology and Exploring Engineering
10.	A Comprehensive Survey Of Image Forgeries And Forgery Detection Methods	T.Satya Nagamani	Information Technology	International Journal of Innovative Technology and Exploring Engineering
11.	Convolution Neural Based Deep Learning Systems For Detecting Objects,	T.Satya Nagamani	Information Technology	International Journal of Innovative Technology and Exploring Engineering
12.	Generating an data mining learning base approach for non-master users	G.Krishnaveni	Information Technology	International Journal of Innovative Technology and Exploring Engineering
13.	Convolution Neural Based Deep Learning Systems For Detecting Objects,	G.Krishnaveni	Information Technology	International Journal of Innovative Technology and Exploring Engineering
14.	A Comprehensive Survey Of Image Forgeries And Forgery Detection Methods	G.Krishnaveni	Information Technology	International Journal of Innovative Technology and Exploring Engineering

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
15.	A Comprehensive survey on Image forgeries and forgery detection methods	J.Malathi	Information Technology	International Journal of Engineering Technology and Management Science
16.	A New Resource Allocation Algorithm for Cloud Based on Available PMs and VMs	NVSK Vijaya Lakshmi K	Information Technology	International Journal of Engineering Technology and Management Science
17.	Generating an data mining learning base approach for non-master users	NVSK Vijaya Lakshmi K	Information Technology	International Journal of Engineering Technology and Management Science
18.	Convolution Neural Based Deep Learning Systems For Detecting Objects,	NVSK Vijaya Lakshmi K	Information Technology	International Journal of Engineering Technology and Management Science
19.	Properties Of Recycled Aggregate Used For Construction Of Roads	K.Dharani	Civil Engineering	International Journal of Research and Analytical Reviews (IJRAR)
20.	Properties Of Recycled Aggregate Used For Construction Of Roads	Vanga Renuka	Civil Engineering	International Journal of Research and Analytical Reviews (IJRAR)
21.	Performance evaluation of maximum power plant tracking approaches for PV array under PSC with differential converters	J.Ayyappa	EEE	International Journal of Engineering and Advanced Technology (IJEAT)
22.	Performance evaluation of maximum power plant tracking approaches for PV array under PSC with differential converters	M.Sunil Kumar	EEE	International Journal of Engineering and Advanced Technology (IJEAT)

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
23.	Varying operating frequency of concentric circular ring patch antenna using high impedance surface	G. Srilatha	ECE	International Journal of Engineering & Technology
24.	Evolutionary Programming Techniques for solving Non- Convex Economic load Dispatch Problem with Valve-Point Loading Effect	A Srinivasa Reddy	EEE	International Journal for Research in Applied Science and Engineering Technology
25.	New Control Strategy for Inverter Based Micro Grid	M.Sunil Kumar	EEE	International Journal of New Technologies in Science and Engineering
26.	A critical study and analysis of journal metric "CiteScore", cluster and regression analysis	Adimulam Yesubabu	CSE	International Journal of Engineering and Technology
27.	A critical study and analysis of journal metric "CiteScore", cluster and regression analysis	K. Varada Raj kumar	CSE	International Journal of Engineering and Technology
28.	Software Defect Prediction using Adaptive Neuro Fuzzy Inference System	Dr A Yesubabu	CSE	International Journal of Applied Engineering Research I
29.	Application of Spso and PSO to Optimal Power Flow Solutions Along With SSSC Device	Mr.N.Rama Narayana	EEE	Indian Journal of Science and Technology
30.	HDM: Decrease the Convolution of Mounting BigData Programs and Applications in Cloud	J.S.V.G. Krishna	CSE	International Journal of Management, Technology And Engineering
31.	Power Control in CDMA Using MOTDPC Algorithm	K. J. Silva Lorraine	ECE	Journal of Emerging Technologies and Innovative Research(JETIR)
32.	Fabrication And Optimization Of Wear Parameters On Al 2024- Gr- B4C Hybrid Mmcs during Machining Process	Sri K.Sunil Ratna Kumar	Mechanical Engineering	International Journal of Applied Engineering Research Volume 13, Number 12 (2018)

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal
33.	A Context Establishment Framework For Cloud Computing Information Security Risk Management Based On The STOPE View	P Rajendra Kumar	Information Technology	International Journal of Pure and Applied Mathematics
34.	Implementation of bi-directional blue-fi gateway in IoT environment"	Ajaykumar Dharmireddy	ECE	International Journal of Engineering & Technology

Organised Faculty Development Programmes

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	Chemical Admixtures and Repair of Concrete Structures	09-07-2018 to 13-07-2018	13
2	Artificial Intelligence	20-08-2018 to 24-08-2018	28
3	3D Printing Revolution	10-09-2018 to 15-09-2018	17
4	Recent Trends In Electronics And Telecommunications	03-10-2018 to 08-10-2018	30
5	Soft Skills & Life Skills	05-11-2018 to 10-11-2018	05
6	E-Vehicle Technologies	12-11-2018 to 16-11-2018	21
7	Recent Trends In Instructional Design And Delivery System	03-12-2018 to 07-12-2018	26
8	A 5-Day Faculty Development Program on Java	21-01-2019 to 25-01-2019	6

Organised Management development programs, Professional Development / Administrative training programs

S.No.	Name of the Teachers participated	Date and Duration	No. of Participants
1	Safety Measures in Laboratories	22-08-2018	14

Workshops / Seminars Conducted on R & D; IPR and EDC Cell

S.No.	Name of the Programme	Details of the Resource Person	Date	Number of Participants
1.	A one day workshop on "Recent trends in Mechanical Engineering A Research Perspective"	P Rajesh, Assistant Professor, Dept. of Mechanical Engineering, Eluru College of Engineering	10/08/2018	59
2.	Seminar on "Entrepreneurship Opportunities in E-Waste Recycling"	Srinivas Pisupati, Vice President , Techno Gen Inc, Hyderabad	22/08/2018	100
3.	One day Guest Lecture on "Research Challenges and Innovations in Renewable Energy Systems"	G Karthik Babu, Assistant Divisional Engineer, 220KV,SS Palvancha, Telangana	17/9/2018	100
4.	A workshop on "Entrepreneurship Awareness"	K Ajay Kumar I.R.S, C.E.O of HEAL, Gannavaram	11/12/2018	80
5.	One Day Seminar on "Technological Innovations in Entrepreneurship"	Dr K V Sridhar Professor, Dept of M.B.A, Sir CR Reddy College of Engineering	22/12/2018	177
6.	Seminar on "Innovation in to a Start-up and IPR"	Sundram P, Senior Software Developer, Oracle Corp., Chennai	22/01/2019	18
7.	A one day workshop on "Building awareness on Intellectual Property Rights"	M Ramu, Assistant Professor, Department of M.B.A Vignan's University, Guntur	15/02/2019	35

Soft skills and Life Skills Programmes

Name of the capacity development and skills enhancement program	Date implementation	Number of students enrolled	Name of the Person
Sustainable solid waste management for smart cities	02-09-2019	126	Dr..PVV Prasad Rao, Polution Control Board, Swatchhaandhra Corporation,
Datta kriya yoga	26-02-2019	532	Sri Venugopal Lunani,
Adolescent Health problems in Girls	08-03-2019	562	Dr. Roshini Gundapaneni
Campus Recruitment Training (CRT) Program	30-07-2018 to 13-08-2018	526	Team from Talentio
Company Specific Training (CST) Program	17-9-2018 to 20-9-2018	103	Team from Talentio
Diagostics Career Test (DCT'S)	9-10-2018 to 11-10-2018	219	Team from Cocubes

Name of the capacity development and skills enhancement program	Date implementation	Number of students enrolled	Name of the Person
Company Specific Training (CST) Program	19-11-2018 to 25-11-2018	213	Team from Talentio
Cocubes Pre-Assessment	12-02-2019	219	Team from Cocubes

Faculty Attended Conferences

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
1.	Dr. A Srinivasa Reddy	Shuffled Differential Evolution-Based Combined Heat and Power Economic Dispatch	Soft Computing in Data Analytics. Advances in Intelligent Systems and Computing
2.	Samparthi V S Kumar	Dynamic Design And Implementation Of Security Intelligence	International conference on computer vision and machine learning
3.	Dr. T. Venkateswara Rao	Design of flag shaped 3-element array antenna for directive radiatin in Ku-band applications	2018 Conference on Signal Processing And Communication Engineering Systems
4.	Dr. A.Yesu Babu	Computational Prediction And Validation Studies On A Diverse Dataset Of Cox-2 Inhibitors	International conference on computer vision and machine learning
5.	Dr M Krishna	A multi Ability CP-ABE access control scheme for public cloud storage	International conference on computer vision and machine learning
6.	Dr M Krishna	Performance study of cloud computing for scientific applications	International conference on computer vision and machine learning
7.	Dr M Krishna	Data productive collaborative filtering using deep learning based recommender model	International conference on computer vision and machine learning
8.	Dr M Krishna	Independent and Distributed Access to Encrypted Cloud Databases	Computational Intelligence in Information Systems
9.	Dr N Deepak	Computational Prediction And Validation Studies On A Diverse Dataset Of Cox-2 Inhibitors	International conference on computer vision and machine learning
10.	Dr N Deepak	Dynamic Security For Multi-User Access Control In Distributed Environment	International conference on computer vision and machine learning
11.	S.Mohan Babu Chowdary	A Novel Approach To Compress DNA Repetative Sequences In Bioinformatics	International conference on computer vision and machine learning
12.	Konda Sreenu	Multi-core with ht Technology to solve data lake complex problems	International conference on computer vision and machine learning

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
13.	Konda Sreenu	Various Ciphers in Classical Cryptography	International conference on computer vision and machine learning
14.	K N Madhavai Latha	Systematic approach for enrichment of docking outcome using consensus scoring functions	International conference on computer vision and machine learning
15.	K. Chaitanya Deepthi	A multi Ability CP-ABE access control scheme for public cloud storage	International conference on computer vision and machine learning
16.	K. Chaitanya Deepthi	A novel artificial intelligence program testing service (ai-pts) model	International conference on computer vision and machine learning
17.	K. VaradaRaj kumar	Dynamic Security For Multi-User Access Control In Distributed Environment	International conference on computer vision and machine learning
18.	M.Ganesh Babu	Crypto-Stego Technique for Secure Data Transmission	International conference on computer vision and machine learning
19.	M.Ganesh Babu	Super Resolution Image Reconstruction using Iterative Regularization method and Feed- Forward Neural networks	International conference on computer vision and machine learning
20.	G.Satyanarayana	Failure node identification in mobile wireless sensor networks	International conference on computer vision and machine learning
21.	Homer Benny Bandela	Various Ciphers in Classical Cryptography	International conference on computer vision and machine learning
22.	Homer Benny Bandela	Crypto-Stego Technique for Secure Data Transmission	International conference on computer vision and machine learning
23.	Homer Benny Bandela	Super Resolution Image Reconstruction using Iterative Regularization method and Feed- Forward Neural networks	International conference on computer vision and machine learning
24.	S.K.Chaitanya.R	Dynamic Design And Implementation Of Security Intelligence	International conference on computer vision and machine learning
25.	P Naga Deepthi	Acceptability analysis method for evaluate data on twitter using support vector machine	International conference on computer vision and machine learning
26.	V V Deepthi Donavalli	Various Ciphers in Classical Cryptography	International conference on computer vision and machine learning
27.	V V Deepthi	Crypto-Stego Technique for	International conference on

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
	Donavalli	Secure Data Transmission	computer vision and machine learning
28.	V Pranav	Performance study of cloud computing for scientific applications	International conference on computer vision and machine learning
29.	K. Swathi	Acceptability analysis method for evaluate data on twitter using support vector machine	International conference on computer vision and machine learning
30.	S.Jaya Prakash	Dynamic Security For Multi-User Access Control In Distributed Environment	International conference on computer vision and machine learning
31.	Dr.S.Krishna Rao	An Ensemble Integrated Mailing System For Detecting Spam Mails	International conference on computer vision and machine learning
32.	Dr.S.Krishna Rao	An Ensemble Path Finding In Wireless Sensor Networks	International conference on computer vision and machine learning
33.	Dr.K.Satyanarayna	Enhanced path recreation in remote sensor networks	International conference on computer vision and machine learning
34.	Dr Satyanarayana Kotha	Implementation of data mining techniques in web of things	International conference on computer vision and machine learning
35.	T.Satya Nagamani	A New Dynamic And Enhanced Resource Allocation Algorithm In Cloud Computing	International conference on computer vision and machine learning
36.	T.Satya Nagamani	Survey: Image Forgery And Its Detection Techniques	International conference on computer vision and machine learning
37.	N.Prasad	An Ensemble Path Finding In Wireless Sensor Networks	International conference on computer vision and machine learning
38.	N.Prasad	Implementation of data mining techniques in web of things	International conference on computer vision and machine learning
39.	A.M.K.Kanna Babu	Enhanced path recreation in remote sensor networks	International conference on computer vision and machine learning
40.	G.Krishnaveni	A comparative performance analysis of different machine learning techniques	International conference on computer vision and machine learning
41.	G.Krishnaveni	A framework for mining huge data by non-expert users with the assistance of knowledge base	International conference on computer vision and machine learning
42.	K.Purna Praksh	Data Productive Collaborative Filtering Using Deep Learning Based Recommender Model	International conference on computer vision and machine learning

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
43.	NVSK Vijaya Lakshmi K	A new dynamic and enhanced resource allocation algorithm in cloud computing	International conference on computer vision and machine learning
44.	NVSK Vijaya Lakshmi K	Survey: Image Forgery And Its Detection Techniques	International conference on computer vision and machine learning
45.	NVSK Vijaya Lakshmi K	A framework for mining huge data by non-expert users with the assistance of knowledge base.	International conference on computer vision and machine learning
46.	K.Lakshmaji	An Ensemble Integrated Mailing System For Detecting Spam Mails	International conference on computer vision and machine learning
47.	K.Lakshmaji	E-SRA: Ensemble selfish routing algorithm	International conference on computer vision and machine learning
48.	J.Malathi	Survey: Image Forgery And Its Detection Techniques	International conference on computer vision and machine learning
49.	J.Malathi	A framework for mining huge data by non-expert users with the assistance of knowledge base.	International conference on computer vision and machine learning
50.	G.Vihari	Implementation of data mining techniques in web of things	International conference on computer vision and machine learning
51.	G.Vihari	E-SRA: Ensemble selfish routing algorithm	International conference on computer vision and machine learning
52.	P Ramaiah Chowdary	Computer business organization on cloud platform	International conference on computer vision and machine learning
53.	P Ramaiah Chowdary	Identification of MITM Attack by Utilizing Artificial Intelligence Mechanism in Cloud Environments	International conference on computer vision and machine learning
54.	B.Lalitha Bhavani	A new dynamic and enhanced resource allocation algorithm in cloud computing	International conference on computer vision and machine learning
55.	B.Lalitha Bhavani	A comparative performance analysis of different machine learning techniques. .	International conference on computer vision and machine learning
56.	G Pavan	Enhanced path recreation in remote sensor networks	International conference on computer vision and machine learning
57.	G Pavan	An Ensemble Integrated Mailing System For Detecting	International conference on computer vision and machine

S.No.	Name of the teacher	Title of the Paper	Name of the Conference
		Spam Mails.	learning
58.	E.B.K.Manash	Deep Learning: A Branch of Machine Learning	International conference on computer vision and machine learning
59.	P Rajendra Kumar	Deep Learning: A Branch of Machine Learning	International conference on computer vision and machine learning
60.	A.M.K.Kanna Babu	An Ensemble Path Finding In Wireless Sensor Networks	International conference on computer vision and machine learning
61.	V Gopinath	Re-Design of Smart Homes With Digital Twins	International conference on computer vision and machine learning
62.	Yallamanda Challa	Computer business organization on cloud platform	International conference on computer vision and machine learning
63.	Yallamanda Challa	Identification of MITM Attack by Utilizing Artificial Intelligence Mechanism in Cloud Environments	International conference on computer vision and machine learning
64.	Dr. T. Venkateswara Rao	Design of Gregorian Reflector For Imaging	2018 IEEE Indian Conference on Antennas and Propogation (InCAP)

Students Opted for higher education

A total of 40 students have opted for higher education

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
1	315177110011	B K Naga Karthik	CSE	MS	University of Buffalo
2	315177110022	B Yaswnth S V K Rao	CSE	MS	University of North Texas, USA
3	315177110028	CH Lakshmi Yaswitha	CSE	MBA	Sir C R R College of Engineering
4	315177110060	Sanjana	CSE	MBA	University of North Texas, USA
5	315177110062	Kakarala Jayaditya	CSE	MS	University of Windsor
6	315177110077	K Jithendra Chowdary	CSE	MS	Trent University
7	315177110144	Punukollu Geetha Sri	CSE	MS	York University
8	315177110146	Rajulapati Vinay	CSE	MS	University of North Texas, USA
9	315177110151	Ronanki Sai Bala	CSE	M.Tech	IIIT Bhuvaneswar
10	315177110153	Sajjasri Parvathi	CSE	MBA	Gems B School-American Heritage University – Bangalore

S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
11	315177111092	S. Poorn Dwived	IT	Masters	Lambton College, Toronto, Canada
12	315177111076	N. Chiranjeevi	IT	Masters	University of North Texas, USA
13	315177111068	M .Manohar	IT	Masters	Northumbria University, London
14	315177111074	Mukesh Ch	IT	Masters	Fanshawawe College, Ontario State, Canada
15	315177111111	Y.Mallika	IT	Masters	University Of East London, London
16	315177111049	Bhaskar K	IT	Masters	Conestoga College, Ontario, Canada
17	315177111053	Murali K	IT	Masters	Texas A and M University, USA
18	315177111040	Jogi Baby Sree Gantalamma	IT	MBA	Gems B School- American Heritage University – Bangalore
19	315177111008	B. SaiRam	IT	Masters	Hertfordshire University, UK
20	315177111104	V V Kalyan Kumar	IT	MSC	Northumbria University, UK
21	315177111062	M Bhuvaneswari	IT	Masters	University of North Texas, USA
22	315177111066	M Prakash	IT	Masters	University of North Texas, USA
23	315177111096	Bhavana Reddy Syamala	IT	Masters	Conestoga College International Education, Canada
24	315177111109	Vejju Phani Ravi Teja	IT	Masters	Montreal College IT, Quebec
25	315177112002	A.Sai Prasanna	ECE	M.Tech	M.Tech, Amrita Vishwa Vidyapeetam
26	315177112075	K.Archana	ECE	M.Tech	M.Tech, SRKREngineering College
27	315177112025	Ch.Ganga Mahesh	ECE	M.Tech	M.Tech, University College of Engg, Kakinada
28	315177112039	D.Keerthana	ECE	M.Tech	M.Tech., EluruCollege of Engineering
29	315177112032	Ch.Bhaskara Lalitha Jahnavi	ECE	M.Tech	M.Tech, Gayathri vidhyaparishath, Vizag
30	315177112019	B.Sai Sudha	ECE	M.Tech	M.Tech, SRKREngineering College
31	315177112096	M.Lakshmana Vara	ECE	M.Tech	University of North

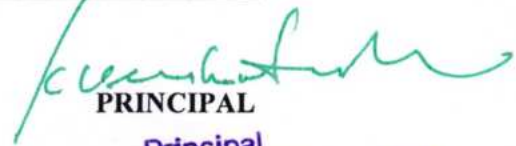| S.No	Reg.No	Name of the Student	Program graduated from	Name of the Program admitted	Name of the College
		Prasad			Texas, USA
32	315177112106	M.Dinesh	ECE	M.Tech	University of North Texas, USA
33	315177112120	N.Venkata Manoj Kumar	ECE	M.Tech	Northumbria University, UK
34	315177112035	Ch.Rishitha Siva Sai	ECE	MBA,	PG Courses Sir C R Reddy College, Eluru
35	315177114184	Rekhapalli Suresh	EEE	MS	University of North Texas, USA
36	315177114210	Ampili Mahesh	EEE	MS	Northumbria University, London
37	315177120100	SidhamsettysatyaHanush	MECH	M.Tech,	M.Tech, NIT Warangal
38	315177120088	Pilla Sai Priyatham	MECH	M.Tech,	BITS pilani, Hyd
39	315177120096	Sanapala Narasimha Charan Teja	MECH	M.Tech,	M.Tech, University of Hyd
40	315177120121	Md. Abdul Hafeez	MECH	MBA	MBA, Sir C R R College of Engg

Placement Details

A total of 549 students were Placed

S.No.	Name of the Employer / Company	No. of Students Placed
1.	VEE Technologies	59
2.	Westline Shipping	54
3.	Cloud Mellow	49
4.	TCS	45
5.	Cognizant	36
6.	Better Analytics	30
7.	Infosys	28
8.	Deepak Nexgen	25
9.	IBeON	22
10.	Allsec Technologies	20
11.	KJ Systems	20
12.	Lokesh Machines	16
13.	Just Dial	15
14.	Syntel	11
15.	VEM Technologies	11
16.	Tech Mahindra	10
17.	Tessolve	9
18.	Wipro	8
19.	TR Staffing	8
20.	Muthoot Finance	8
21.	ICICI Prudential	6
22.	HCL Technologies Ltd.	5
23.	Digital Assistant - AP Sec	5

S.No.	Name of the Employer / Company	No. of Students Placed
24.	Efftronics	4
25.	Asst. Professor, AKRGC	4
26.	IB Hubs	2
27.	Capgemini	2
28.	Arete IT Services Pvt Ltd	2
29.	SS Infra Solutions	2
30.	Ever Glades	1
31.	GENPACT	1
32.	Virtuasa	1
33.	HDFC	1
34.	Good Work Technologies	1
35.	ATOS	1
36.	MPHASIS, VEE Technologies	1
37.	IBM	1
38.	Oculotronics Technology	1
39.	HTC Global Services	1
40.	Volty IoT Solutions	1
41.	Siliciom Technologies Pvt Ltd	1
42.	IDC Technologies	1
43.	Byju's	1
44.	RMSI	1
45.	Monocept	1
46.	Innogeeks Technologies	1
47.	Yo Snapps	1
48.	FP Tech Science	1
49.	Quadrant Resourses Pvt. Ltd.	1
50.	Shivam Medisoft Services	1
51.	Exide Life	1
52.	Crystalline	1
53.	Megnity Technologies	1
54.	HERO	1
55.	VR Enterprises	1
56.	EPDCL	1
57.	Indian Cost Guard	1
58.	CGI	1
59.	Panchayat Secretray - AP Sec	1
60.	Rising Star Mobiles	1
61.	Golden Star Facilities	1
62.	Andhra Bank PO, Clerk	1

IQAC Coordinator

PRINCIPAL

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007