

Section 5: Research, Innovation, and Extension

5.3 Research Publications :

LIST OF PUBLICATIONS (2024-2025)

CONFERENCES:

S.No	Department	Title of the paper	Name of the author/s	Name of Conference	Indexing/ Impact factor	Incentive Amount
1	EEE	Design and Analysis of Photovoltaic System Based Single Phase Multilevel Inverter with Grid Integration	Dr.S.Antony Raj	IEEE- International Conference on Advancement in Renewable Energy and Intelligent Systems	Scopus	1000
2	ECE	An Automated Face Mask Detection Using Ensemble Learning Approach	Dr. B. Kiran Kumar	IEEE - 5th International Conference on Electronics and Sustainable Communication Systems (ICESC) 2024	Scopus	2000
3	ECE	A Low-Profile Fan Structured Antenna for Millimeter Wave Applications,	Dr. D. Rajendra Prasad	International Conference on Electronics and Renewable System ICEARS 2025	Scopus	1000
4	ECE	A COMPACT FAN SHAPED ANTENNA FOR WEARABLE APPLICATIONS	Dr. D. Rajendra Prasad	International Conference on Next generation Communication & Information Processing INCIP 2025	Scopus	1000
5	ME	Machine Learning driven predictive maintenance for enhanced production management in the Manufacturing Industry.	Dr. T. Gopala Rao	CICCT 2025	Scopus	1000
6	H & S	Matrix Applications in Cryptography	Mr. M. Gopi Sai	AIP Conference Proceedings	Scopus	1000
7	AIML	Dimensionality Reduction Method Based Feature Ranking Techniques for Diagnosis of Cardiac Disease Using AI	Dr Hari Kishan Chapala	IEEE- 2024 International Conference on Sustainable Communication Networks and	Scopus	1000

				Application (ICSCNA)		
8	MBA	Diving Into the Complexity of Social Networking: Moving Beyond Likes and Shares	Dr. S. Chand Basha	2024 4th International Conference on Pervasive Computing and Social Networking (ICPCSN)	Scopus	1000
9	MBA	Optimizing Load and Routes in Supply Chain Management with Travelling Salesman Problem and CapsNet Attention	Dr. S. Chand Basha	2025 3rd International Conference on Integrated Circuits and Communication Systems (ICICACS)	Scopus	1000
10	ECE	Metamaterial based microstrip antenna for 5g mm wave applications	N. Syamala	2025 IEEE Wireless, Antenna & Microwave Symposium	Scopus	1000
11	ECE	Compact multiband filtered antenna for UWB applications	Dr. B. Kiran Kumar	2025 IEEE Wireless, Antenna & Microwave Symposium	Scopus	1000
12	ECE	Skin cancer detection using coplanar waveguide antenna sensor	Dr. B. Kiran Kumar	2025 IEEE Wireless, Antenna & Microwave Symposium	Scopus	1000
13	ECE	Identification of various skin tumor forms with a novel microstrip antenna sensor	Dr. B. Kiran Kumar	2025 IEEE Wireless, Antenna & Microwave Symposium	Scopus	1000

JOURNALS:

S.No	Department	Title of the paper	Name of the author/s	Name of Journal	Indexing/ Impact factor	Incentive Amount
1	CSE	Advancing Quantum Key Distribution: Challenges, Trends, and Future Prospects	Dr. A.Tirupathaiah	Journal of Information Systems Engineering and Management	Scopus	1250
2	CSE	Forward and Reverse Engineering using UML with Rational Rose And Object-Oriented Programming Language	Dr. M.Ratna Raju	Journal of Theoretical and Applied Information Technology	Scopus	1250
3	CSE	Enhancing Kidney Stone Detection: Integrative Analysis of Urine Attributes and Medical Imaging	Dr. Grandhi Prasuna	Journal of Theoretical and Applied Information Technology	Scopus	1250
4	EEE	Optimal power generation of proton exchange membrane fuel C24cell using ANFIS based MPPT algorithm	Dr.T.Narasimha Prasad	Scientific reports	SCIE	3000
5	EEE	Experimental and numerical investigations on amalgamation of mixed frequency carrier based asymmetrical 15 level multilevel inverter	Dr.T.Narasimha Prasad	Electrical Engineering	SCIE	2000
6	EEE	CGFSSO: The Co-Operative Guidance factor based Salp Swarm Optimization algorithm for MPPT under partial shading conditions in photovoltaic systems	Dr.S.Antony Raj	International Journal of Information Technology, Springer Publishers.	Scopus	2500

7	ECE	Parameters Optimization of Compact UWB-MIMO Antenna with WLAN Band Rejection for Short Distance Wireless Communication	Dr. B. Kiran Kumar	<i>IETE Journal of Research</i>	SCIE	2000
8	ECE	Four-Element MIMO Diversity Antenna for 5G Sub-6 GHz N79 Band Applications and Verified with TCM Analysis	Dr. B. Kiran Kumar	<i>Wireless Personal Communications</i>	SCIE	2000
9	ECE	ISM band CPW-fed antenna for detection of skin cancer	Dr. B. Kiran Kumar	<i>Journal of Instrumentation</i>	SCIE	2000
10	ECE	A NOVEL TRIDENT SHAPED MICROSTRIP ANTENNA SENSOR FOR GLUCOSE DETECTION IN HUMAN BLOOD	Dr. B. Kiran Kumar	<i>Journal of Instrumentation</i>	SCIE	2000
11	ECE	Convolutional Neural Network-Based Attack Detection for secure data transmission in the Internet of Things	Dr. D. Rajendra Prasad	<i>Journal of Environmental Protection and Ecology</i>	Scopus	1250
12	ECE	Implementation and Performance Comparison of Novel Optimization to Counter Starvation in Wireless Networks	Dr. D. Rajendra Prasad	International Journal of Computer Network and Information Security	Scopus	1250
13	ECE	A Novel Energy Aware Cluster Head Selection Algorithm for Wireless Sensor Networks	Dr. D. Rajendra Prasad	<i>Telecommunications and Radio Engineering</i>	Scopus	2500
14	ECE	Flexible four-port MIMO antenna for 5G NR-FR2 tri-band mmWave application with SAR analysis	Dr. P. Bhaskara Rao	Scientific reports	SCIE	3000
15	CSE-DS	Recommended System for Predicting Traffic Accident Costs using Enhanced Machine Learning Techniques	Dr. K. Subbarao	Journal of Electrical Engineering & Technology	SCIE	2000

16	ME	Experimental and Numerical Investigations on Elastic and Thermal Properties of Banana–Jute Fiber-Reinforced Hybrid Composites	Dr. D. Siva Bhaska Rao	<i>International Journal of Computational Materials Science and Engineering</i>	Scopus	1250
17	ME	Investigation of vegetableoil-based cutting fluidsenhanced with nanoparticlesaddition in turning operations	Dr. T. Gopala Rao	<i>Metal working and Material Science</i>	Scopus	1250
18	ME	Enhancing health careThrough Virtual Reality: AKey to Advancing MedicalEducation	Dr. T. Gopala Rao	SSRN Journal	Scopus	1250
19	ME	Effect of Nanoclay andSurface Treatment onMechanical Properties ofFish Tail Form Empty FruitBunch Fibre ReinforcementEpoxy Composites	Mr. P Harish	Journal of Environmental Nanotechnology	Scopus	1250
20	ME	Development And Examination of a Composite MaterialReinforced with Natural Bamboo Fiber	Dr. M. Suresh Kumar	Journal ofPolymer & Composites	Web of Science	1250
21	MBA	A Study on an Impact of Remote work environment on Employee Job Satisfaction With reference to Software Industry– India	Dr. R. Emmaniel	Journal of Information Systems Engineering and Management	Scopus	2500
22	AIML	Software project monitoring using milestonesand pert-an empirical analysis	Dr Hari Kishan Chapala	Journal of Theoretical and Applied Information Technology	Scopus	1250
23	AIML	Evaluating Machine Learning Models for Multimodal Probability Based Energy Forecasting	Dr Hari Kishan Chapala	Process Integration and Optimization for Sustainability	Scopus	1250

24	ECE	A novel gold and SiO ₂ material based planar 5-element high HPBW end-fire antenna array for 300 GHz applications	Dr. Jagadeesh Babu Kamili	Open Physics	SCIE	4000
25	ECE	Design of a novel four-element Koch–Sierpinski fractal mmWave antenna for 5G applications	Dr. Jagadeesh Babu Kamili	International Journal of Electronics	SCI	4000
26	ECE	Multiple Slotted Quad-Band Two Element Multiple Input Multiple Output Antenna with Defected Ground Structure for UMTS, WLAN, and 5G Sub-6 GHz Applications	Dr. Jagadeesh Babu Kamili	Wireless Personal Communications	SCIE	3000
27	ECE	Design and investigation of cavity backed bowtie antenna with unidirectional radiation pattern using characteristic mode analysis	Dr. Jagadeesh Babu Kamili	Frequenz	SCIE	3000
28	ECE	Glucose concentration evaluation in blood samples using novel microwave antenna sensor	Dr. Jagadeesh Babu Kamili	Microsystem Technologies	SCIE	4000
29	ECE	Modal analysis and higher order mode suppression of a high impedance surface-based bowtie antenna	Dr. Jagadeesh Babu Kamili	International Journal of Microwave and Wireless Technologies	SCIE	6000
30	ECE	Rectangular patches loaded high gain antenna for tri-band applications using coaxial probe feed technique	Dr. Jagadeesh Babu Kamili	Journal of Optoelectronics and Advanced Materials	SCIE	1500
31	ECE	Advancing human activity recognition with quaternion-based recurrent neural networks	Dr. R.V.S Harish	Automatika Journal for Control, Measurement, Electronics, Computing and Communications	SCIE	2000

32	H&S	Assessment of water quality using water quality index: A case study	Dr. J Krishna Kishore	Journal of chemical health risks	Scopus	1250
33	ME	Effects of surface fibre treatment on mechanical characteristics of fish tail palm empty fruit bunch Fiber reinforced epoxy composites	Dr. Siva Bhaskara Rao	Advances in Materials and Processing Technologies	Scopus	2500
33	ECE	Tribal band-notched UWB planar monopole antenna using circular slots	Dr P Srinivasa Rao	Telecommunication and radio engineering	Scopus	2500
34	ME	Effects of the Nano-Fe ₃ O ₄ Embedded Beeswax PCM's Thermal Storage Characteristics on the Performance of the 2% Hybrid Nano Coating Solar Water Heater by the Approach of Box-Behnken Design	Mr. V Markndeyulu	SSRG International Journal of Mechanical Engineering	Scopus	1250
35	CIVIL	Functionalised Nano capsules for Enhancing Catalysis in Petrochemical Processes: High Selectivity and Extended Reusability	Dr. D. JYOTHI SWARUP	Oxidation Communications	Scopus	2500
36	ECE	A Novel Multi-modality Deepfake Detection Using Cross-Model Fusion-Based Hybrid Harris Whale Depth-Wise Separable Dense Convolutional Bi-GRU Deepfake Model	Dr. D. Rajendra Prasad	Cognitive Computation	SCIE	3000
37	ECE	Performance Analysis of Face Forgery Recognition and Classification Using Advanced Deep Learning Method	Dr. D. Rajendra Prasad	Metallurgical & Materials Engineering	Web of Science ESCI	1250

24-25 PUBLICATIONS DEPARTMENT WISE

DEPARTMENT	INTERNATIONAL CONFERENCE	SCOPUS	SCI
EEE	1	1	2
MECH	1	7	
CIVIL		1	
ECE	7	6	14
CSE		3	
AIML	1	2	
IOT		2	
CS			
DS			1