AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, Permanently Affiliated to JNT University Kakinada,
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)

sno	Name of the authors	Department of the teacher	Title of paper	year of publications	Collbrations
1	UPPE NANAJI	CSE	Journal on Wireless Communication Networks	2025	
2	C P V N J MOHAN RAO	CSE	International Journal of Data Mining Techniques and Applications (IJDMTA)	2024	
3	K. Geethanjali	ECE	Design of XOR Hybrid Adder with Low Power and Low Area	2024	
4	V. Mohan Gandhi	ECE	Design of XOR Hybrid Adder with Low Power and Low Area	2024	
5	TANGUTURI DEEPTI	CSE	Journal on Wireless Communication Networks	2023	
6	MOHAN RAO C. P. V. N. J.	CSE	Journal on Wireless Communication Networks	2023	
7	UPPE NANAJI	CSE	A comprehensive youtube spam comments recognition using python, AI, ml	2024	
8	VARA PRASAD K.	CSE	A comprehensive youtube spam comments recognition using python, AI, ml	2024	
9	C P V N J MOHAN RAO	CSE	A comprehensive youtube spam comments recognition using python, AI, ml	2024	
10	UPPE NANAJI DEEPTI	CSE	A comprehensive study on emotion detection from facial expression using python	2025	
11	C P V N J MOHAN RAO	CSE	A comprehensive study on emotion detection from facial expression using python	2025	
12	VARA PRASAD K.	CSE	A comprehensive study on emotion detection from facial expression using python	2025	
13	UPPE NANAJI	CSE	Secure supply chain management using blockchain & anomaly detection using python	2021	
14	VARA PRASAD K.	CSE	Secure supply chain management using blockchain & anomaly detection using python	2021	
15	C P V N J MOHAN RAO	CSE	Secure supply chain management using blockchain & anomaly detection using python	2021	
16	VARA PRASAD K.	CSE	Effective & smart urban mobility system at low cost	2024	
17	Pakki Johna Sudeepa Patnaik	ECE	Smart Security System Using RFID and Camera Module for Home and Office	2023	
18	MOHAN RAO C. P. V. N. J.	CSE	Enhancing augmented reality through object recognition in python	2023	

19	M.SAGAR	CSE	Vehicle Detection & Lane Line Detection with Advanced Techniques using Python	2025	
20	C P V N J MOHAN RAO	CSE	Vehicle Detection & Lane Line Detection with Advanced Techniques using Python	2025	
21	UPPE NANAJI	CSE	Vehicle Detection & Lane Line Detection with Advanced Techniques using Python	2025	
22	B.GANESH	ECE	A Comprehensive Study on Virtual Mouse using Hand Gesture Recognition and Computer Vision (python)	2024	
23	C P V N J MOHAN RAO	CSE	A Comprehensive Study on Virtual Mouse using Hand Gesture Recognition and Computer Vision (python)	2024	
24	UPPE NANAJI	CSE	A Comprehensive Study on Virtual Mouse using Hand Gesture Recognition and Computer Vision (python)	2024	
25	Gorivilli Naveen Kumar	ECE	Smart Security System Using RFID and Camera Module for Home and Office	2023	
26	Vyda Jayanth Kumar2	ECE	Cyclic scheduling and heat integration of batch process: Design of heat storage vessels	2023	
27	VARA PRASAD K.	CSE	Impact QoS with active queue management techniques in AODV routing protocol in MANETs	2025	
28	BODDEDA GANESH	CSE	Impact QoS with active queue management techniques in AODV routing protocol in MANETs	2025	
29	M.SAGAR	CSE	Impact QoS with active queue management techniques in AODV routing protocol in MANETs	2025	
30	UPPE NANAJI	CSE	Impact QoS with active queue management techniques in AODV routing protocol in MANETs	2025	
31	TANGUTURI DEEPTI	CSE	Simulation with different ad hoc network scenarios of routing protocols in MANETs using OPNET simulation	2021	
32	UPPE NANAJI	CSE	Simulation with different ad hoc network scenarios of routing protocols in MANETs using OPNET simulation	2021	
33	C P V N J MOHAN RAO	CSE	Simulation with different ad hoc network scenarios of routing protocols in MANETs using OPNET simulation	2021	
34	C P V N J MOHAN RAO	CSE	Secure supply chain management using blockchain & anomaly detection using python, AI, ML	2023	
35	UPPE NANAJI	CSE	Secure supply chain management using blockchain & anomaly detection using python, AI, ML	2023	
36	VARA PRASAD K.	CSE	Secure supply chain management using blockchain & anomaly detection using python, AI, ML	2023	
37	M.SAGAR	CSE	Sentinel Eye: AI Powered Smart Surveillance System	2025	
38	C P V N J MOHAN RAO	CSE	Sentinel Eye: AI Powered Smart Surveillance System	2025	
39	UPPE NANAJI	CSE	Sentinel Eye: AI Powered Smart Surveillance System	2025	
40	Semal Sekhar Mummana	ECE	Cyclic scheduling and heat integration of batch process: Design of heat storage vessels	2023	
41	Chinthagada Naveen Kumar	ECE	Design of XOR Hybrid Adder with Low Power and Low Area	2023	

42	Gondasu Sandhya	ECE	Design of XOR Hybrid Adder with Low Power and Low Area	2024	
43	UPPE NANAJI	CSE	Simulation with different ad hoc network scenarios of routing protocols in MANETs using OPNET simulation	2025	
44	M.SAGAR	CSE	Simulation with different ad hoc network scenarios of routing protocols in MANETs using OPNET simulation	2025	
45	VARA PRASAD K.	CSE	Simulation with different ad hoc network scenarios of routing protocols in MANETs using OPNET simulation	2025	
46	BODDEDA GANESH	CSE	Simulation with different ad hoc network scenarios of routing protocols in MANETs using OPNET simulation	2025	
47	Dr V Hari Kiran	Mechanical Engineering	Unveiling the Role of Nanoparticles in Biodiesel Blends: A Comprehensive Energy-Exergy-Sustainability Analysis for CI Engine Optimization	2025	
48	Dr V Hari Kiran	Mechanical Engineering	Processing and characterization of nano rubber toughened polylactide/jute fiber composites	2024	
49	E. Govinda	ECE	A novel architecture implementation of ALU with quantum dot method	2024	
50	T. Pattalu Naidu	ECE	A novel architecture implementation of ALU with quantum dot method	2024	
51	E. Govinda	ECE	A novel architecture implementation of ALU with quantum dot method	2024	
52	T. Pattalu Naidu	ECE	A novel architecture implementation of ALU with quantum dot method	2024	
53	Lanka Manasa	ECE	B novel architecture for high speed multiply & accumulator circuit using 3 operand binary adder	2024	
54	R. Prasad Rao	ECE	B novel architecture for high speed multiply & accumulator circuit using 3 operand binary adder	2024	
55	E. Govinda	ECE	B novel architecture for high speed multiply & accumulator circuit using 3 operand binary adder	2024	
56	A. Kamala Kumar	ECE	Floorplanning for optimizing area using sequence pair and hybrid optimization	2023	
57	Pattalu Naidu Tamarana	ECE	Floorplanning for optimizing area using sequence pair and hybrid optimization	2023	
58	S. V. S Prasad	ECE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization approach	2023	

59	B. Chinna Rao	ECE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization approach	2023	
60	M. Koteswara Rao	ECE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization	2023	
61	K. Ravi Kumar	ECE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization	2023	
62	Srisailapu D. Vara Prasad	CSE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization	2023	
63	Chappa Ramesh	CSE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization	2023	
64	S. V. S Prasad	ECE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization	2023	
65	B. Chinna Rao	ECE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization	2023	
66	M. Koteswara Rao	ECE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization	2023	
67	K. Ravi Kumar	CSE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization	2023	
68	Srisailapu D. Vara Prasad	CSE	Medical image segmentation using an optimized three-tier quantum convolutional neural network trained with hybrid optimization	2023	
69	J. Vandana	ECE	Area Efficient Truncation and Rounding-Based Scalable Approximate Multiplier using KSA	2023	
70	T. Pattalu Naidu	ECE	Area Efficient Truncation and Rounding-Based Scalable Approximate Multiplier using KSA	2023	
71	E. Govinda	ECE	Area Efficient Truncation and Rounding-Based Scalable Approximate Multiplier using KSA	2023	
72	T. Pattalu Naidu	ECE	Design of advanced encryption standard algorithm for secure application	2024	

73	Setti Sirisha	ECE	Design of advanced encryption standard algorithm for secure application	2024	
74	Dr. Ennam Govinda	ECE	Design of advanced encryption standard algorithm for secure application	2024	
75	Gandipadala Ravali	ECE	Efficient Power Management and Delay Reduction in Positive Feedback Comparator Design	2023	
76	Dr. Ennam Govinda	ECE	Efficient Power Management and Delay Reduction in Positive Feedback Comparator Design	2023	
77	Dr. R. Prasad Rao	ECE	Efficient Power Management and Delay Reduction in Positive Feedback Comparator Design	2023	
78	Dr. K. Ravi Kumar	ECE	Review Paper On Alcohol Detection And Vehicle Engine Locking System	2024	
79	Yellapu Neeraj Kumar	ECE	Review Paper On Alcohol Detection And Vehicle Engine Locking System	2024	
80	Midathana Kisran	ECE	Review Paper On Alcohol Detection And Vehicle Engine Locking System	2024	
81	Urikiti Teja	ECE	Review Paper On Alcohol Detection And Vehicle Engine Locking System	2024	
82	MD Shakeer	ECE	Review Paper On Alcohol Detection And Vehicle Engine Locking System	2024	
83	S. Phani Varaprasad	ECE	Design and analysis of rectangle and circular path array antenna using HFSS	2023	
84	Dr. R. Prasad Rao	ECE	Design and analysis of rectangle and circular path array antenna using HFSS	2023	
85	SA Ramana Babu	ECE	Design and analysis of rectangle and circular path array antenna using HFSS	2023	
86	Dr. Rayavarapu Prasad Rao	ECE	Design and analysis of U-shape MSP array antenna for satellite applications using CST	2024	
87	S. Phani Varaprasad	ECE	Design and analysis of U-shape MSP array antenna for satellite applications using CST	2024	
88	D. Srinivasa Rao	ECE	Design and analysis of U-shape MSP array antenna for satellite applications using CST	2024	
89	MV Manikanta Sai	ECE	Design and analysis of U-shape MSP array antenna for satellite applications using CST	2024	

90	Kandrakota Sandhya	ECE	Implementation of hardware approach to OFDM - MDC pipeline FFT processor	2023	
91	T. Pattalu Naidu	ECE	Implementation of hardware approach to OFDM - MDC pipeline FFT processor	2023	
92	Nadisetti Leela Bharathi	ECE	A Low-Power 4-bit Universal Shift Register Design using MTCMOS	2024	
93	T. Pattalu Naidu	ECE	A Low-Power 4-bit Universal Shift Register Design using MTCMOS	2024	
94	Dr. Ennam Govinda	ECE	A Low-Power 4-bit Universal Shift Register Design using MTCMOS	2024	
95	Dr. K. Ravi Kumar	ECE	Smart Security System Using RFID and Camera Module for Home and Office	2023	
96	Vyda Jayanth Kumar2	ECE	Smart Security System Using RFID and Camera Module for Home and Office	2023	
97	Vyda Jayanth Kumar2	ECE	Smart Security System Using RFID and Camera Module for Home and Office	2023	
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