



SENGUNTHAR ENGINEERING COLLEGE
(AUTONOMOUS)
NAAC Accredited with 'A' Grade,
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956
TIRUCHENGODE- 637 205



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR: 2023-2024

FACULTY PUBLICATIONS

S.No.	Name of the Faculty	Title	Details
1.	Dr.C.Aarthi, Prof & Head / ECE	Integrated Vehicle Safety System(IVSS)	International Research Journal of Computer Science, July 2023, ISSN 2393-9842
2.	Dr.C.Aarthi, Prof & Head / ECE	Speed Enhancement Techniques for Clock delay Dual Keeper Domino Logic Style	International Journal of Innovative Research in Science, July 2023, ISSN 2319-8753
3.	Dr.P.Rameshkumar, Prof / ECE	IoT Based Implementation of Power Saving and Gas Leakage Detector	International Research Journal of Computer Science, July 2023, ISSN 2393-9842
4.	Mr.A.Rahul AsP / ECE	IoT Based Air Pollution Monitoring System	International Research Journal of Computer Science, July 2023, ISSN 2393-9842



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5.	Mr.P.Gopinath, AP/ECE	Raspberry PI-Based Finger Vein Recognition System Using PCA NET	International Research Journal of Computer Science, July 2023, ISSN 2393-9842
6.	Mr.M.Arunkumar, AP/ECE	Preventing Data Threats using Cloud Computing with Block Chain Technology	International Research Journal of Computer Science, July 2023, ISSN 2393-9842
7.	Mr.P.Sivasankaran, AP/ECE	IoT Based Flood Monitoring and Alerting System	International Research Journal of Computer Science, July 2023, ISSN 2393-9842
8.	Mr.M.Baskaran, AP/ECE	Attendance Management System Based on RFID and Fingerprint Reader	International Research Journal of Computer Science, July 2023, ISSN 2393-9842
9.	Dr.C.Aarthi, Prof & Head / ECE	Speed Enhancement Techniques for Clock delay Dual Keeper Domino Logic Style	International Journal of Innovative Research in Science, July 2023, ISSN 2319-8753



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10.	Mr.P.Sivasankaran, AP/ECE	Stress level based Emotion Classification using Hybrid Deep Learning	KSII Transactions on Internet and Information systems, November 2023, ISSN 1976-7277
11.	Mr.G.Suresh, AP / ECE	Design of Fast, Minimum Power Non-Volatile Master Slave Flip-Flop for Memory Storage	Journal of Propulsion Technology, December 2023, ISSN 1001-4055
12.	Dr.C.Aarthi, Prof & Head / ECE	Integrated Poultry Care System (IPCS)	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
13.	Dr.C.Aarthi, Prof & Head / ECE	Feed Forward Neural Network With Column-Wise Matrix–Vector Multiplication on FPGAs	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
14.	Dr.C.Aarthi, Prof & Head / ECE	Smart Home Automation System	International Research Journal of Computer Science, April 2024, ISSN 2393-9842



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15.	Dr.P.Rameshkumar, Prof / ECE	Building a Full Stack Solution for Seamless Device Connectivity and Data Management	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
16.	Dr.P.Rameshkumar, Prof / ECE	Survey on Power and Area efficient FIR Filter Architecture in Digital Encephalography System	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
17.	Mr.A.Rahul AsP / ECE	Environmental Impact Assessment of Chiplet-Based VLSI	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
18.	Mr.A.Rahul AsP / ECE	Artificial Intelligence Based CCTV-Accident Detection System	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
19.	Mr.M.Arunkumar AP / ECE	Enhancing Security with Arduino UNO-Powered Patrolling Robot	International Research Journal of Computer Science, April 2024, ISSN 2393-9842



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20.	Mr.P.Sivasankaran AP / ECE	Generation of Power from Footpath Using IOT	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
21.	Mr.M.Baskaran AP / ECE	IOT Based Water Quality Detection for Sugar Factory	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
22.	Mr.M.Baskaran AP / ECE	Vehicle Headlight Automatic Bright and Dim Control System	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
23.	Mr.V.Gowthaman AP / ECE	Smart Irrigation and Pesticides System for Enhancing Harvesting in Agriculture Using IoT	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
24.	Mr.G.Suresh AP / ECE	Text Recognition for the Speed Control of the Vehicle	International Research Journal of Computer Science, April 2024, ISSN 2393-9842



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25.	Mrs.B.Priyanka AP / ECE	Diabetic Retinopathy Detection Using Image Processing	International Research Journal of Computer Science, April 2024, ISSN 2393-9842
26.	Mr.M.Arunkumar AP / ECE	Vehicle functionality and security optimization of autonomous vehicles utilizing EHO: a blockchain-based concept	International Journal of Advanced Technology and Engineering Exploration, May 2024, ISSN 2394-5443

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