

Student Research Publications

ECE Department

1.	Vansh Gupta , Rajeev Rajput, 2021, FACE MASK DETECTION USING MTCNN AND MOBILENETV2, International Research Journal of Engineering and Technology (IRJET) , Volume 8 Issue 3 March 2021
2.	Gupta, Mohit & Garg, Nitesh & Garg, Jai & Gupta, Vansh & Gautam, Devraj. (2022). Designing an Intelligent Parcel Management System using IoT & Machine Learning. 751-756. 10.1109/GlobConET53749.2022.9872449.
3.	Garg, Jai & Agrawal, Aditya & Gupta, Vansh & Dhiman, Surender. (2022). Secure Asset Tracking Using GPS, MQTT, RFID, GSM and Cloud Technologies. 10.1007/978-981-19-1677-9_48.
4.	Manya Kakkar , Vansh Gupta , Jai Garg , Dr. Surender Dhiman, 2021, Detection of Water Quality using Machine Learning and IoT, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 10, Issue 11 (November 2021)
5.	Vansh Gupta , Rajeev Rajput, 2021, FACE MASK DETECTION USING MTCNN AND MOBILENETV2, International Research Journal of Engineering and Technology (IRJET) , Volume 8 Issue 3 March 2021
6.	Vansh Gupta , Manya Kakkar , Jai Garg , Dr. Sanjay Kumar, 2021, Threat Detection using Machine Learning in Public Places, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 10, Issue 10 (October 2021),
7.	A.Jain, S. Das, A. Singh Kushwah, T. Rajora and S. Saboo, "Blockchain-Based Criminal Record Database Management," <i>2021 Asian Conference on Innovation in Technology (ASIANCON)</i> , 2021, pp. 1-5, doi: 10.1109/ASIANCON51346.2021.9544655.
8	M. B. Singh Gulshan, B. Sharma, M. Grover and P. Gupta, "TSA: Self-Train Self-Test Algorithm," <i>2020 IEEE International Conference for Innovation in Technology (INOCON)</i> , 2020, pp. 1-5, doi: 10.1109/INOCON50539.2020.9298410.
9	V. Gupta, M. Gupta, J. Garg and N. Garg, "Improvement in Semantic Address Matching using Natural Language Processing," <i>2021 2nd International Conference for Emerging Technology (INCET)</i> , 2021, pp. 1-5, doi: 10.1109/INCET51464.2021.9456342.
10	R. Jain, D. Jain, P. Taneja, P. Malik and R. Bhatia, "File Tracking and Security System Using BLE and Blockchain," <i>2021 Asian Conference on Innovation in Technology (ASIANCON)</i> , 2021, pp. 1-5, doi: 10.1109/ASIANCON51346.2021.9544546.

11	Nakshtra Popli, Sarthak Batra, Kailash Masiwal, Chaitanya Mamgain, 2021, Surveillance Car Bot Future of Surveillance Car Bot, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 10, Issue 10 (October 2021).
12	Nakshtra Popli, 2021, Prosthetic ARM Controlling and Battery Improvement Techniques of A Prosthetic ARM, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 10, Issue 10 (October 2021).
13	Nakshtra Popli, Shubham Popli, Automatic Detection of Invasive Ductal Carcinoma with Convolutional Neural Networks, IJSRD - International Journal for Scientific Research & Development pg- 153-157, Vol. 9, Issue 8, 2021 ISSN (online): 2321-0613.
14	R. Jain, S. Saboo and A. Techkchandani, "Crop Stubble Burning: Can modern technology trigger a new revolution?," <i>2021 Innovations in Energy Management and Renewable Resources(52042)</i> , 2021, pp. 1-4, doi: 10.1109/IEMRE52042.2021.9386730.
15	S. Negi, R. Jain, S. Saboo and S. Kwatra, "Automated Generated Binaural Beats Using EEG: A User-Friendly Auditory Brain-Computer Interface," <i>2021 International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)</i> , 2021, pp. 1-5, doi: 10.1109/SMARTGENCON51891.2021.9645921.
16	P. Gupta, Y. Goyal, D. Gulati, P. Rastogi and S. Saboo, "Women's Safety Device Based On Internet Of Things," <i>2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNBC)</i> , 2021, pp. 1-6, doi: 10.1109/ICMNBC52512.2021.9688529.
17	P. Raizada, S. Gupta and S. Saboo, "Locating Restrooms for Specially-Abled People using Artificial Intelligence and Machine Learning," <i>2021 International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)</i> , 2021, pp. 1-6, doi: 10.1109/SMARTGENCON51891.2021.9645899.
18	R. Jain, P. Raizada, A. K. Kushwaha, R. Bhatnagar and S. Saboo, "Blind Vision and Theft Protection Device in Vehicles using Embedded Systems," <i>2021 International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)</i> , 2021, pp. 1-6, doi: 10.1109/SMARTGENCON51891.2021.9645797.
19	R. Jain, A. Srivastava, S. Saboo and S. Gaur, "Modern Technology for Evolving Mass Public Transportation in Cities," <i>2021 International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)</i> , 2021, pp. 1-5, doi: 10.1109/SMARTGENCON51891.2021.9645799.

20	S. Saboo, S. Gupta, I. Nailwal, R. Gandhi and S. Rana, "Diagnosing Mental Health Patient While Maintaining Anonymity," 2021 IEEE Mysore Sub Section International Conference (MysuruCon), 2021, pp. 244-248, doi: 10.1109/MysuruCon52639.2021.9641727.
21	S. Varshney, D. Munjal, O. Bhattacharya, S. Saboo and N. Aggarwal, "Big Data Privacy Breach Prevention Strategies," 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security (iSSSC), 2020, pp. 1-6, doi: 10.1109/iSSSC50941.2020.9358878.
22	V. Gupta, A. Gupta, N. Arora and J. Garg, "OCRNet - Light-weighted and Efficient Neural Network for Optical Character Recognition," 2021 IEEE Bombay Section Signature Conference (IBSSC), 2021, pp. 1-4, doi: 10.1109/IBSSC53889.2021.9673254.
23	V. Gupta, M. Gupta, J. Garg and N. Garg, "Improvement in Semantic Address Matching using Natural Language Processing," 2021 2nd International Conference for Emerging Technology (INCET), 2021, pp. 1-5, doi: 10.1109/INCET51464.2021.9456342.
24	M. F. Ali, P. Thakur, P. Mendiratta and N. Gupta, "IoT-based Solar Hydroponics Farming," 2019 6th International Conference on Computing for Sustainable Global Development (INDIACom), 2019, pp. 927-931.
25	Hardik Gussain, Diksha Tuli, Bhumika and Swati Juneja, "Aerial Manipulator: A UAV with robotic arm", 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
26	Yash Bhatnagar, Satyam Kumar, Aseem Paul and Richa Malhotra, "IOT Driven AI Module", 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
27	Abdul Ahad, Niharika Sabharwal, Palak Kalwani, Trapti Jain and Kamyra Dhingra, "Blind Man Assist Helmet using IOT", 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
28	Manisha Rani, Madhurima Sarkar, Sonal Shikha and Shivangi, "Accident Avoidance System using Crash Detection and GSM Notification", 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
29	Jayant Kumar, Hritik Ranjan, Harsh Goel and Aakanksha Gupta, "Accident Detection and Alerting System", 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
30	Dixita Shukla, Khushboo Verma, Deeksha Kataria and Trapti Jain, "Water Monitoring System", 2021 International E-Conference on Recent Innovations

	in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
31	Harsh Kumar Maurya, Nikhil Kumar Chaudhary and Mohd. Aqib, “IOT Based Automatic Hydroponics Control and Monitoring System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
32	Roopali Singh, Alfia Haider and Pooja Mendiratta, “Iris: The Virtual Assistant”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
33	Saurabh Kumar, Md. Salman Khan and Manoranjan Kumar, “Gesture Control Robot Car”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
34	Nayani jain, Ritika Tomar, Riya Singh , Taniya Garg and Soman Lata, “OTP Based Wireless Smart Locking System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
35	Saloni Singhal, Khushboo and Manoranjan Kumar, “Door Lock System using RFID”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
36	Salman khan, Shankar Kr. Thakur, Rohit Verma and Manoranjan Kumar, “RFID based Automatic Toll Collection system using Ardino”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
37	Ayush Pundir, Ankesh Baloch , Parkhi Jain, Vipul Tyagi and Neha Gupta, “Enhanced Contactless Attendance System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
38	Maninder Singh, Prachika Chaudhary, Sakshi Soni and Swati Juneja, “Smart Auditorium with Security system”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
39	Aman Singh, Harshit Jain, Neha Gupta, Nikhilesh Kumar and Satyam Bansal, “Greenhouse Monitoring and Controlling System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
40	Varsha Rani Panda, Ritu Dhanwadia, Shreya Singh and Manoranjan Kumar, “Gas Leakage Monitoring System using cloud”, 2021 International E-

	Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
41	Vinay Kumar Sharma, Krishna and Swati Juneja, “A Review Paper on Energy Blockchain”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
42	Harendra Kumar, Malkait Singh, Prateek Kumar Pandey and Rahul Prajapati, “Robotic LiDAR Mapping”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
43	Dixita Shukla, Madhav Rathi, Trapti Jain , Ujjwal Saxena and Surender Dhiman, “Face Detection and Recognition”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
44	Muskan Trisal, Nikunj Joshi and Surender Dhiman, “Artificial Intelligence in Medical Imaging”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
45	Aditya Kumar, Umesh Kumar, Karan Aryan Singh, Archit Kumar and Sonam Lata, “Wireless Pollution Sensor Network”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
46	Shubham Gard, Dixita Shukla and Rajiv Sharma, “PID Controller Chip Design: An Overview”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
47	Amandeep Parashar, Neha, Aakash Tiwari and Kamyia Dhingra, “Coal Mine Safety Monitoring and Alert System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
48	Poorva tuteja, Shreshth Jain, Sameer Tomar, Adhyan Kaushik and Sonam, “Development of an Intelligenet Shopping Cart System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
49	Mohammad Ismail, Vaibhav Sharma, Ravi Shankar and Priyanka Jagya, “IOT Based Health Monitoring System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
50	Kartik Joshi, Bhavishya Muralidharan, Shikha and Suman Arora, “Smart Tidal Flow Warning System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1

51	Vipal Rao, Parag Mangla and Manan Jani, “3D Integrated/Virtual Home automation system using unity 3D Engine”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
52	Pragya Kanth, Khushboo and Riddhi Varshney, “Intelligent Venue Monitoring System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1
53	Ashutosh, Saurav Gaur, Anshul Srivastava and Swati Juneja, “A Review Paper on IOT Based Vehicle Safety System”, 2021 International E-Conference on Recent Innovations in Engineering & Technology, 26th - 27th May, 2021, pp. , ISSN No: 978-93-5593-838-1