

IEEE 2023-24 RECENT TECHNO – PROJECTS

CADDTEK INNOVATIONS

IEEE 2023-24 RECENT TRENDS – PROJECTS

1. DRONE

Design and Development of visual Drone to Detect and Alert Intruders in Surveillance Areas

- 1.DROWNING HUMAN DETECTION IN SEA**
- 2.FOREST FIRE AND ANIMAL DETECTION**
- 3.WEAPON, UNIFORM, AND INTRUDER DETECTION**

2. CHATGPT

- 1.Design of a hardware ChatGPT model for vehicle driver assistant with Interactive Engine as Your Vehicle Co-Pilot**
- 2. Design of hardware ChatGPT with voice assistance and AI-IOT for visually impaired**

3. DIGITAL TWIN AUGMENTED VISION

- 1.Digital twin based real-time Augmented vision system for healthcare.**
- 2.Digital twin based real-time vision system for industrial machine monitoring system.**

4. WEARABLE TECHNOLOGY

- 1.Architectural_Design_and_Recommendations_for_a_Smart_Wearable_Device for Women Safety**
- 2. Fall_Detection_With Wrist-Worn_Watch_by Observations in Statistics of Acceleration**

5. WATER DATA COMMUNICATION- IoT

1. Water Data Communication IoT for flood management and smart alert to rescue team

2.Experiments of Recreating the Frequency Domain Properties of Seawater Channel for Underwater communications medium

3.Water Data Communication for Smart Drainage status measuring and live information remote monitoring.

6. SOIL DATA COMMUNICATION - WUSN

1. WUSN based soil data communication for rescue and health monitoring to tunnel and mining working people.

2 Magnetic Induction based Communications on the Agriculture Field using Wireless Underground Sensor Networks (WUSN).

7. AUGMENTED REALITY - AR

1.Application of augmented reality in the field of virtual medical industry labs

2. Collision Avoidance Head-Up Display: Design Considerations for Emergency Services' Vehicles

3.Innovation in Keyboard music live learning with Augmented Reality to Boost Motivation and fast learning.

8. WRITING ROBOT

1. Design and Development of Writing Robot Using Speech Processing

9. CRYPTOMINING

1. Design of an intelligent crypto currency mining farm (CMF) for vehicle using ML
2. Spectral sensing based Lifeguarding army Vest quality Detection and Prediction.

10. REDTACTON

1. Towards Body Coupled Communication for eHealth: Experimental Study of Human Body Frequency Response
2. The Role and Challenges of Body Channel Communication in Wearable Flexible Electronics

11. PLC PROGRAMMING LOGIC CONTROLLER

1. Automation and Control Mechanism for Textile Dyeing Process Using PLC and IoT