PROJECTS INFO

Alert sleep alarm For drivers

a smart sleep alarm system for drivers that monitors fatigue indicators, such as eye movements and steering patterns. Integrate real-time alerts, like vibrations or auditory signals, to notify drivers when signs of drowsiness are detected. Prioritize safety by encouraging immediate rest breaks to prevent accidents due to driver fatigue.

Military multi-functional bot

Military multi-functional bot: Integrates surveillance, reconnaissance, and communication functions for versatile mission support. Autonomous navigation, camouflage, and modular attachments enhance adaptability in diverse environments. Optimizes efficiency and minimizes risks in military operations.

RFID scanner

RFID scanner: Utilizes radio frequency identification technology to wirelessly identify and track tagged objects or individuals. Enables swift and accurate data capture, streamlining inventory management and access control processes. Enhances efficiency in industries such as logistics, retail, and security.

Animal accident preventation from train

Implement animal accident prevention for trains with infrared sensors along tracks, detecting approaching wildlife. Activate visual and auditory warnings to alert train operators and mitigate potential collisions. Enhance railway safety by leveraging technology to protect both animals and passengers.

Home automation

Home automation: Utilizes smart devices and connected systems to automate and control household functions. Enables remote monitoring and management of lighting, security, climate, and entertainment systems for enhanced convenience. Enhances energy efficiency and overall home comfort through seamless integration of IoT technology.

Radar

Radar (Radio Detection and Ranging): Uses radio waves to detect and track objects' location, speed, and direction. Widely employed in aviation, weather monitoring, and military applications for surveillance and target tracking. Provides crucial data for navigation, safety, and defense systems.

Piezo electric sensor

Piezoelectric sensor: Converts mechanical pressure or vibrations into electrical signals. Widely used in various applications such as touchscreens, accelerometers, and ultrasonic sensors. Offers sensitivity, durability, and responsiveness in detecting changes in pressure or acceleration.

Multi functional drone

Multi-functional drone: Versatile unmanned aerial vehicle equipped with various capabilities, including surveillance, reconnaissance, payload delivery, and data collection. Adaptable for applications in agriculture, emergency response, and infrastructure inspection.

IOT farming

IoT farming: Integrates Internet of Things (IoT) devices and sensors in agriculture for precision farming. Monitors and controls factors such as soil moisture, temperature, and crop health in real-time. Enhances efficiency, reduces resource usage, and improves crop yields through data-driven insights and automated systems.

Portable chair and shopping bag

Portable chair and shopping bag: Innovative design combines a foldable chair with a spacious shopping bag, providing convenience for on-the-go activities. Ideal for outdoor events, picnics, or shopping trips, offering a comfortable seat and practical storage. Compact and lightweight, ensuring easy transport and storage when not in use.

Police Smart Helmet

Police Smart Helmet: Advanced headgear integrating augmented reality, communication systems, and facial recognition for law enforcement. Enhances situational awareness, facilitates instant data access, and aids in suspect identification. Improves officer safety and efficiency in various policing scenarios.

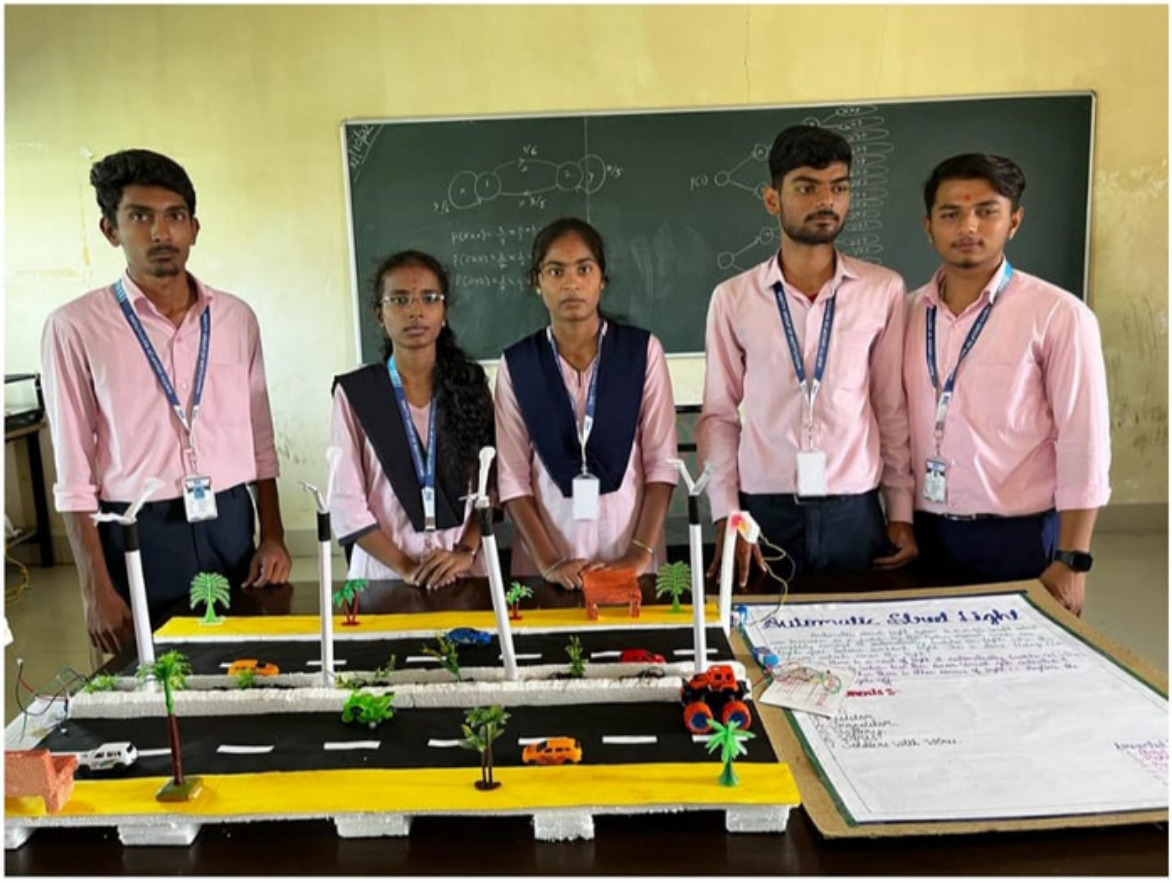
Ghar raksha app

"Ghar Raksha" app: A home security application that utilizes smart technology to monitor and protect residences. Features include real-time surveillance, alarm systems, and remote access for homeowners. Enhances safety and provides peace of mind through proactive home security measures.

Security app for police and public

Police-Public Security App: A comprehensive application fostering collaboration between law enforcement and the public. Allows users to report incidents, access emergency services, and receive real-time updates on local security issues. Enhances community safety through information sharing and efficient communication between police and the public.

Automatic street lights



Automatic street lights: Intelligent lighting system using sensors to detect ambient light levels and motion, automatically adjusting street light intensity. Energy-efficient and cost-effective, promoting safety and reducing power consumption during low-traffic periods. Enhances urban infrastructure with responsive and environmentally conscious lighting solutions.