

Electronic Umbrella

Abstract:

- The Electronic Umbrella project aims to revolutionize traditional umbrellas by integrating electronic components for enhanced functionality and user experience.
- The project focuses on developing an umbrella equipped with various features such as automatic opening and closing, built-in weather sensors, and LED lighting.
- The umbrella will be designed to provide real-time weather updates and alerts through a connected smartphone app, ensuring users are prepared for changing conditions.
- This project aims to enhance user comfort and safety during adverse weather conditions by providing advanced functionalities beyond traditional umbrellas.
- The Electronic Umbrella represents an innovative approach to combining electronics with everyday objects, bridging the gap between conventional accessories and smart, connected devices.
- Key components of the Electronic Umbrella include a durable frame with motorized opening and closing mechanisms, a compact weather station to detect rain intensity and wind speed, and an integrated LED system for illumination during low-light conditions.

