## Introduction:

## {automatic rain detection system}

An Arduino-based automatic rain shield for clothes is an intelligent system
designed to detect rain and deploy a protective shield over clothes to prevent them from
getting wet. This system uses a rain sensor to detect water droplets and an Arduinocontrolled motor mechanism to extend and retract the shield automatically. By integrating
sensors, motors, and a control unit, the system ensures real-time protection with minimal
manual intervention.