Weather Report System

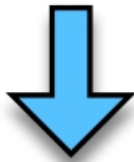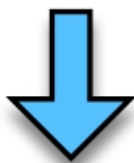| HARDWARE ARCHITECTURE	SOFTWARE ARCHITECTURE

HARDWARE ARCHITECTURE

Cloud Layer :

Fog Layer :

Edge Layer :

SOFTWARE ARCHITECTURE

Task Performed by Cloud:

- Data storage to keep track of recent previous records

- Allowing access to various user

- Provides a graph analysis of the trend of various

RASPBERRY PI:

Gets the data from ESP32 through wifi and convert temperature from Celsius to

LAPTOP:

Gets data from ESP32 through wifi and analysis data tells the user that it is summer or winter

Mobile:

Gets the notification

ESP32:

Collect the data from sensor and send the value to laptop and Pi.Filters the

DHT11:

Collects temperature and humanity from surroundings