SWS
Smart Weather Station

AIoT Forecasting Services

"WHEN WEATHER CHANGES, THERE MUST BE A CORRESPONDING CHANGE IN LIFE."

About SWS

WHAT DO WE OFFER?

SWS provides an integrated Weather and environment monitoring and forecasting system with data on the cloud, accessible through mobile apps and remote website. Unlike traditional AWS automatic weather station, this system monitors way more parameter's and also provide a forecasting system.

Outdoor Module

The Weather Station's wireless Outdoor Module gives you real-time weather data that matters: measurements are gathered from its sensors right on your doorstep.

Indoor Module

The Weather Station's Indoor Module measures your indoor comfort by providing vital data through its sensors, alerting you when you need to air out your home to bring down its pollution levels.

Features

Uv lights

Wind Speed

Rain perception

Humidity

Wind direction

Cloud Classification

Standardization

WIND SPEED /DIRECTION

	Description	Speed
1	Light Breeze	4 to 7 mph
2	Gentle Breeze	8 to 12 mph
3	Moderate Breeze	13 to 18 mph
4	Fresh Breeze	19 to 24 mph

TEMPRATURE AND HUMIDITY

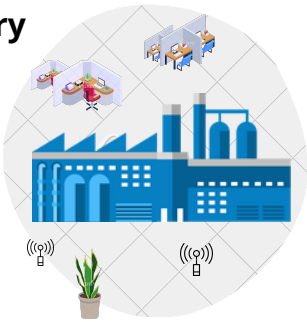| T	H
40 °C (104 °F)	35.8 (0.97)

UV LIGHT

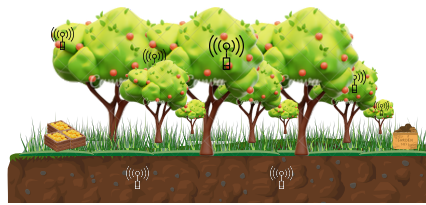| |
|---|
| UVA (315-400 NM)
 UVB (280-315 NM) |

System Architecture

The system comprises of hardware, firmware and software components, with hardware installed on sites providing real time data of environmental parameters uploaded on cloud for various processes. The software component comprises of websites with databases and mobile application for user information management system. The software system will have an AI component to predict the vulnerability of threat and forecasting the future weather conditions.
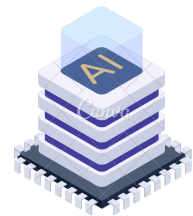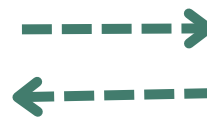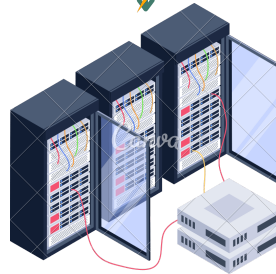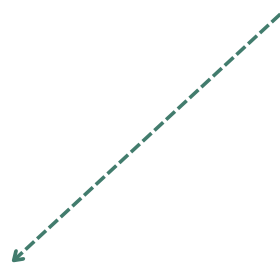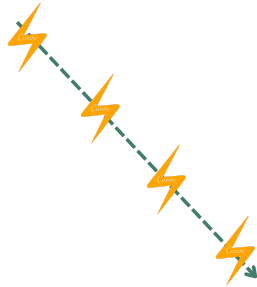
Factory

Farm

Factory

Our Solution

> Data accumulation by sensors.

> Logs generation at system processing.

> Additional actuators as per demand.

> System acquires logs from sensors and processes it.

> System compares logs with standard values.

> Monitored Data is sent to cloud.

> Propagated and stored in database.

> Actuators are enabled/ disabled on the basis of these logs.

> Risk management by AI prediction models.

KEY COMPOSITION OF SWS

> HARDWARE UNIT DEVICE

> SOFTWARE SUPPORT

> RISK ASSESSMENT

Call our friendly sales team now to learn more about our Smart Weather Station technology & solution.

Contact Us

Have any question? We would love to hear from you. Reach out to us for more information on our products and service.

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