AgroStat

What is AgroStat

AgroStat is a cross-platform web and mobile application that will help the user to analyze what kind of soil the device is analyzing. The AgroStat relies on data acquired from sensors to identify the soil and its nutrient values, information that is crucial for every farmer and gardeners alike.

An App that ensure productivity of farm lands and accessibility to available arable land for continued and sustained crop production.

By giving the client the daily report of the current state of the soil, they will be able to know if the soil is still suitable for the same plant or if it needs to rotate. The daily report will contain the humidity, temperature, PH level, soil moisture, and other nutrients current level. It will also give the user the current weather forecast so that the client will be prepared to take care of the plant if needed. The AgroStat will be a good app for beginners who are planning to enter in the agricultural businesses.

Soil and Plant Almanac

AgroStat analyze and determine the type of soil, it scans aside from its nutritional value and give out suggestion of which plants are suitable to be grown on the specific soil.

IoT Controlled Sprinkler System

The IoT Controlled Sprinkler System is an optional feature of the AgroStat wherein units of Sprinkler are set either to automatically or manually respond and water patches of soil where the ph levels and moisture dropped under optimal levels.

According to **Cynthia Villegas-De Guia** in her interview in Business World: "The role of technology, the role of innovation is perceived to be very crucial, critical, and catalytic in view of agricultural productivity. It's just really sad to see that our country is lagging behind our ASEAN neighbors in a lot of global measures."

Revenue Model for ArgoStat

Through the use of production model, we can make profit by selling the consumable parts of the AgroStat application to its consumers. Selling the sensor for php 76 a piece we can earn a fair bit of profit even with the labor cost and by selling 13 pieces of sensors a set fit for 40 meters of land for php 950 makes it seem like a bargain and although the profit we can take from this deal is lesser than selling it per piece we can give opportunity to the consumers looking to save a bit of money while still stably profiting.

We can also offer php 2000 sprinkler w/ installment as a freebie for those who will avail the ArgoStat with IoT Sprinkler.

We also make use of subscription model by offering php 15000 half year subscription to AgroStat. This ensures a higher probability that the farmers can still produce yield within the timeframe of half-a-year before having to pay for the subscription.