

ECO TECH



INTRODUCTION



The objective of the green house is to observe the growth of the plant inside the green house our product simply upgrade the growth 60 percent better.

PROBLEM STATEMENT



local green houses faced a lot of problem in solving in improving the plant growth rate. due to the lack of knowledge they serve the plants with unwanted sources like providing them water, sunlight, fertilizer, moisture

SOLUTION

The idea of solution came to our team why not develop the smart system which analyze the problem automatically also provide the solution to the user so we developed the smart Eco system which comprised of various sensor and and smartly managed by our mini processor and by analyzing we came to develop the smart system known as Eco tech

OUR PROTOTYPE INFO



We have developed the smart system which is made using the all recycled things which target many global goals. our prototype is simply made with small waste products. we have developed the a small green house which is connected to the smart system which is the brain comprised of the Arduino and many sensors which do the analysis.



SMART INDIA'S SMART PRODUCT



OBJECTIVES

- INCREASE THE PLANT GROWTH RATE** - we target the growth of the plants to provide the greenhouse worker to benefit more than to decrease their bills by losing many plants.
- GREENERY BOOST** - Our product target the increasing the plant growth rate which target in boosting the greenery.
- RECYCLING** - Our prototype target the recycling to use the recycling products .
- GLOBAL GOALS** - By using the various goals our product target the various global goals which help in contributing in the world



METHODOLOGIES

Our project is basically working on simple architect that is sense think act para diagram. our product comprised of six sensors that target the plant growth some of them are.

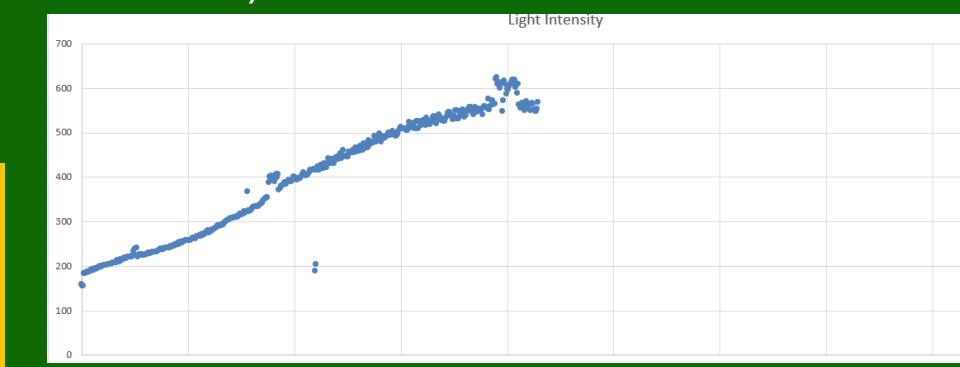
- soil moisture sensor to measure the soil moisture.
- infrared temperature sensor to measure the ambient temperature.
- LDR to measure the light intensity sensor.
- mq135 to measure the carbondioxide of the plant.
- dht22 to measure the plant humidity in green house.
- ph sensor to measure the plant soil ph

The sensors takes sensing and then arduino r3 do the testing and think and based on the analyzing conditions sensing is done .



ANALYZING

we have done the few analyse and some sensors reading



7 AFFORDABLE AND CLEAN ENERGY



11 SUSTAINABLE CITIES AND COMMUNITIES

