

# Case Studies

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Conception to Execution

## Greenopia

Waters itself.  
Gives you time for other things



# Greenopia



## Client -

Greenopia is a company which provides technology to remotely monitor and take care of your indoor plants - <http://greenopia.co/>

## About the project -

Greenopia has developed a smart gardening kit which used IoT technology to remotely monitor and take care of plants grown in your indoors. This smart pot has soil moisture and sunlight intensity sensors which will be logged to the cloud. The app acts as a smart assistant by recommendations which will help the user to take care of their plants better.

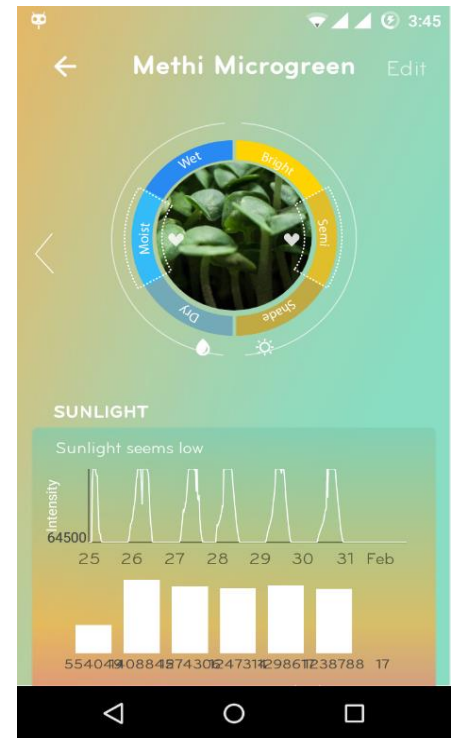


## Solution -

Greenopia had the hardware which could capture the soil moisture and sunlight intensity. Cumulations helped them to log the data to the IoT cloud at regular intervals which can be a data source for the analytics engine. We helped hardware team on how the WiFi module could be configured by the user by setting the SSID and password from the app.

The app acted as a main user facing utility. User could add their plants, configure the smart gardening kit, check recommendations, interact with the expert and track the growth of the plant. Cumulations team interacted very closely with the client during design phase which had multiple iterations based on user feedback.

## App Screen shots:



## Admin and Recommendation Board

Once the data is logged to the server, the analytics engine provided a way where the expert can analyse the data and push recommendations to the users. The admin and expert dashboard had options to add devices, plants and push recommendations.

<input type="checkbox"/>	Devices ID	Name	Email	Location	Plant	Status	Last Connected	Stay awake
<input type="checkbox"/>	320032000e47343432313031	Light test	lighttest@gmail.com	Bangalore	Fonugreek	Active	11/05/2016 01:33:19	Value: Y <a href="#">Change to No</a>
<input type="checkbox"/>	19003600174734338333633	Light test	lighttest@gmail.com	Bangalore	Test	Active	11/05/2016 12:51:45	Value: N <a href="#">Change to Yes</a>
<input type="checkbox"/>	26002a001347343432313031_old	Mani	manihk@gmail.com		Methi Microgreen	Attention	01/05/2016 04:29:52	Value: N <a href="#">Change to Yes</a>
<input type="checkbox"/>	1f0039001447343433313338_2ndUse	Mani is the password	manihk@greenopia.co		Methi Microgreen	Attention	11/04/2016 09:05:03	Value: N <a href="#">Change to Yes</a>
<input type="checkbox"/>	2f0047000747343337373738	Aditi	aditi.sh1981@gmail.com	bangalore	Methi Microgreen	Inactive		Value: N <a href="#">Change to Yes</a>