



UNNAT BHARAT ABHIYAN

R.M.K. ENGINEERING COLLEGE

PROGRESS REPORT

October to December , 2019

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Sr. No.	ADOPTED VILLAGES	TALUKA	DISTRICT
1	Kilmudalambedu	Gummidipoondi	Thiruvallur district
2	Melmudalambedu		
3	Puduvoyal		
4	Chinnakavanam		
5	Madharpakkam		

List of Activities:

ACTIVITY 1:

Name of Activity: Technology projects demonstration

Need of the Activity: To educate the village public on the two technology projects developed for smart farming a) Agro Automation and b) Agro App .

Description in 200 words(along with the Pictures):

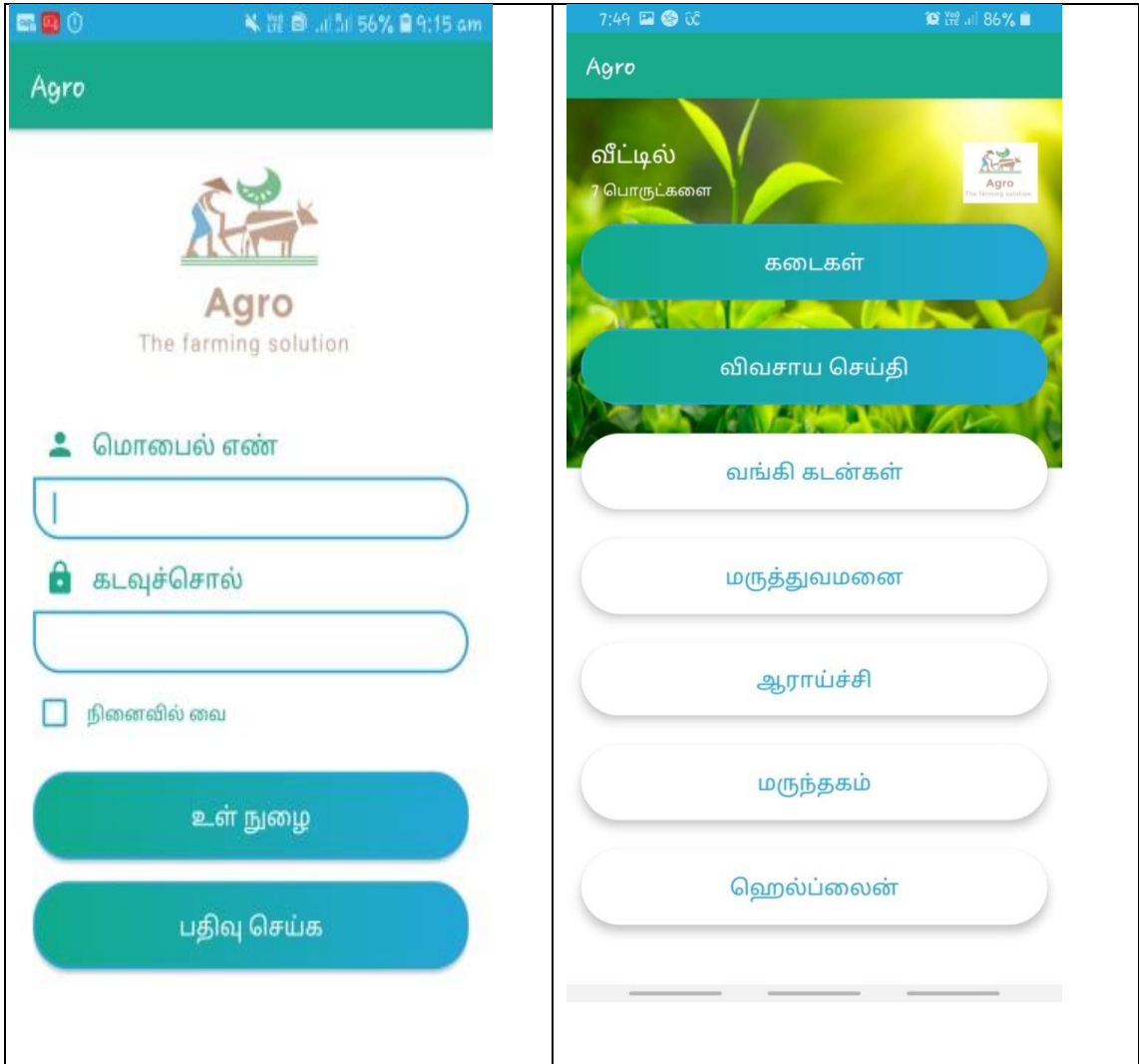
Two projects were carried out exclusively to provide solutions to farmers and agriculture in the nearby villages. These projects were demonstrated to the village public on 12.10.2019

AGRO APP - An app for helping farmers, which guides them through the entire process of farming, by making them understand the challenges in farming and how to make use of the information that prevails around them, by reducing time and cost.

1. AGROAPP can make the farmers work easier than before. This allows the farmer to be in their place and by accessing their location they can find near-by
 - fertilizer shops
 - soil research centers
 - shops for their selling products (UlavarSandai)
 - seed dealers
 - veterinary hospitals for cattle



- farming equipment like tractor, JCB for rent.
- II. By using the App they can order the products like fertilizers, seeds through any online payment mode. These products are delivered to their door step.
 - III. Farmers can also rent farming equipment and trucks from a list of providers in the surrounding .



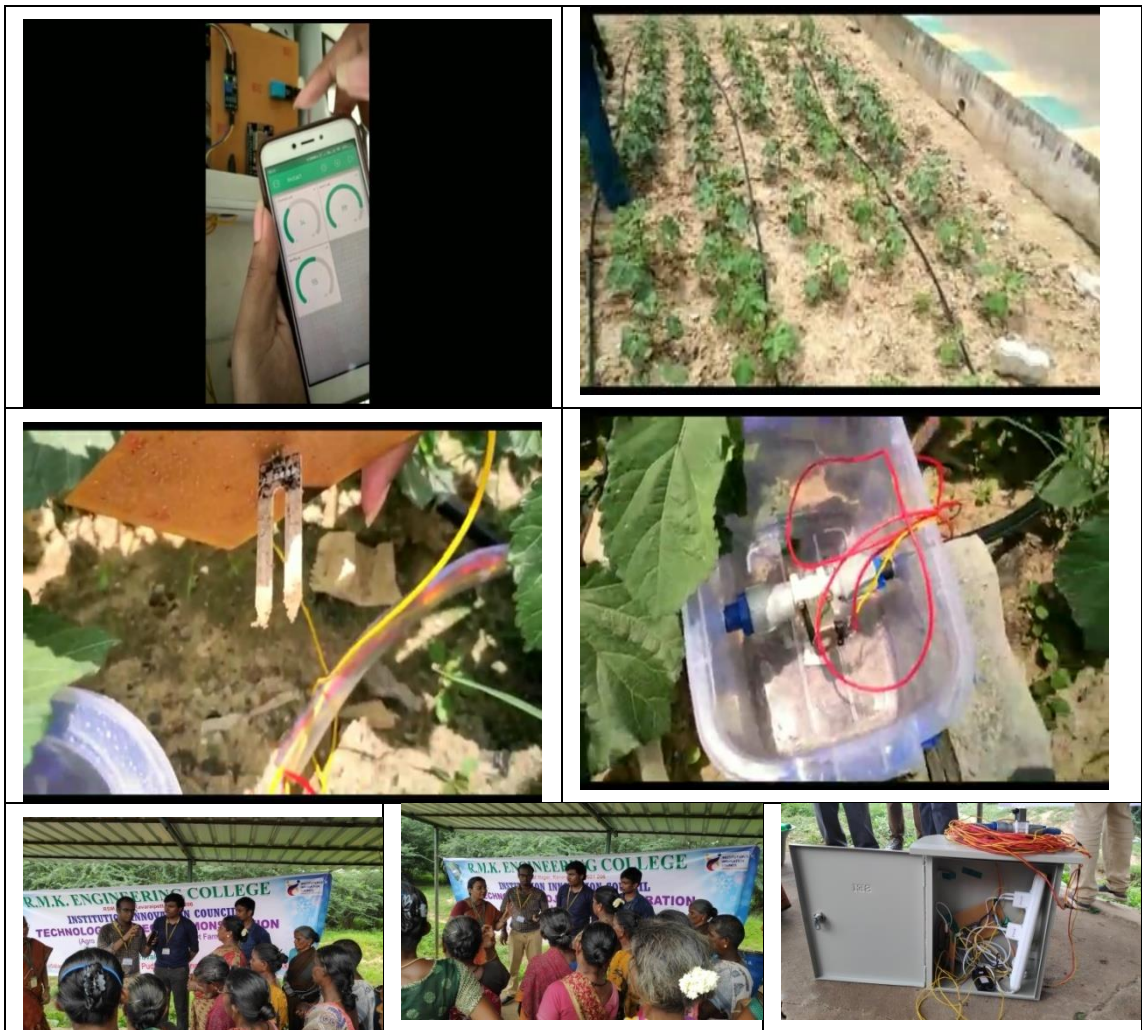
II AGRO AUTOMATION

One of the major concerns of our country is the steady reduction of number of farmers, day by day. As per the recent report, only 21% of the country's population is said to be take agriculture as a primary occupation. This does concur that majority of the people with agricultural background do not prefer to take agriculture as a profession. This supposedly is



due to the lower pay grade than the other occupations and mainly due to the IT revolution. As the number of people who take up agriculture is decreasing at an alarming rate, our team is focused to increase the number by bringing latest innovation in terms of engineering technologies, making the job easier and more efficient than ever before.

In this project, we aim to automate specific tasks of farming by sensing various parameters and analyzing the data that has been acquired from those sensors. By setting limits for each parameter, farmers need not worry about the crops as the sensors set up are constantly monitoring. So if a specific parameter such as humidity goes beyond the limits, that's when the farmers will get notified and so they will need to take care only then.



ACTIVITY 2:

Name of Activity: Awareness and demonstration programs on Solid waste management, water purification methods, computer literacy

Need of the Activity: To educate the village public on the “Cost effective water purification techniques, Kitchen waste to biomanure conversion method and computer literacy”



Description:

Self Help Group ladies around 200 Nos. were presented the following methodologies for revenue generation. Demonstration of Home composter for converting kitchen waste to biomanure, Cost effective water purification methods were done. Similarly, an awareness on computer literacy for utilising “Online facilities through internet” were conducted.

1	Chinnakavanam	Solid waste management – Home composter for converting kitchen waste to biomanure	Revenue Generation through Organic Farming for Self Help Groups
		Plastic waste segregation	Revenue generation through recyclers
		Simple and Cost Effective water purification methods – awareness and demonstration	Savings
		Computer Literacy – Online payments and information	Revenue generation for literate youth
		Home Appliance repairs	Revenue Generation for village public



Demonstration of **Solid waste management, Cost Effective Water Purification** Techniques and computer literacy at Chinnakavanam village



ACTIVITY 3:

Name of Activity: Swachhta Hi Sewa Campaign

Need of the Activity: To educate the village public on plastic hazards and its effective management

Description:

‘Swachhata Hi Sewa Campaign’ to create Plastic free villages was started in the adopted villages, for public and in schools.

PROGRAMMES CONDUCTED

S.No.	Programme	Venue	Date	No. of beneficiaries
1	Awareness on “Plastic hazards”	RMK Engineering College	23.8.2019	45 Faculty members
2	Debate on “Plastic free world a myth or a reality”	RMK Engineering College	11.10.2019	68 students
3	Awareness on “Plastic Hazards”	Panchayat Union middle school, Chinna kavanam	6.11.2019	163 students
4	Distribution of cloth bags	Panchayat Union middle school, Chinna kavanam	6.11.2019	163 students + 10 teachers
5	Awareness on Plastic hazards	Vallalar Temple, Chinnakavanam	11.12.2019	54 villagers
6	Distribution of cloth bags	Vallalar temple and Door to door to distribution of cloth bags	11.12.2019	200
7	Collection of plastic waste and handing over to recyclers	Chinnakavanam village	11.12.2019	200
8	Proposed: 1. Similar programmes at other villages and schools in the next 3 months			



Debate



Awareness session



Awareness in Panchayat Union Middle school, Chinnakavanam on 6.11.2019



Distribution of cloth bags to all the students of Panchayat union middle school, Chinnakavanam on 6.11.2019



Awareness on "Plastic Hazards" and Distribution of Cloth bags at Chinnakavanam Village on 11.12.2019



Recyclable plastics were collected and given to recyclers which generated revenue for the panchayat on 11.12.2019