

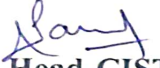



Report
On
Solipur Village visit
Interaction with User for Problem Scoping and Background Research
on
08-06-2023

Organized by
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Objectives:

- To learn the rural life
- To empathise with the village people on identified problem
- To scope the problem

Outcomes:

- Able to identify Criteria and Constraints for selected problem statement
- Able to understand existing solutions of identified problem
- Can be able to know how village can be transformed from last two decades
- Able to understand Traditional practices of villagers on sustainability , environment perspective.



Summary Report on Solipur Village Mahaboobnagar District Visit

CIST (Centre for Innovation and rural Transformation) in association with UBA Team along with 1st yr CSE-A, ECE, CSM& Mechanical department students visited Solipur Village as part of Social Innovation course to scope the selected problem statement in the village through interacting with the end users (Villagers), Through the interaction students have identified following problems-

- Lack of digital literacy facilities in school and no proper infrastructure facilities

About Solipur: Solipur is a Village in Ghanpur Mandal in Mahbubnagar District of Telangana State, India. It belongs to Telangana region. As part Telangana Districts re-organisation, Solipur Village Ghanpur Mandal re organised from Mahbubnagar District to Wanaparthy district. It is located 24 KM towards South from District headquarters Mahabubnagar.



Map data ©2023



Fig: Students and Faculty interacting with End users

Impact Analysis:

- The students identified criteria and constraints for the selected problem statement.
- The students learnt about existing solutions.
- Students got an idea on how village changed from last one decade
- They identified the main requirements of village.



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Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - Water tank cleaning in Opperpally

Alignment to Sustainable Development Goals - SDG '6' - clean water and sanitation

Part I - Analysis of End-User

- Who is the end user?

Village/Old people, some of them live by pension
Some unemployed, their sons have migrated to Hyderabad for jobs

- What is the user's problem that needs a solution?

The water in 3 tanks of the village are undrinkable and one of the tank is leaking without taps. Some of them are not getting water from ~~taps~~ ~~taps~~

- Why is the problem important to solve?

The old people have to go long distances for drinking water. Their sorrows and problems are not getting answered.

- Who are the other stakeholders?
- Discussion with stakeholders/user
- How they are addressing this problem now
- Any existing solution available if Yes then what are the drawbacks and advantages
- Pictures of visit

70% of people in upper pally are old people, some of the villagers are complaining about lack of water. They're not receiving tap water. For that they have to walk near well to refill their pots. This includes heavy strain on body. We have interacted with many people and knew their complains. The village is in dire need of water tank cleaning, this would help the country people a lot.

- B. Vignesh
- M. Ankur
- K. Vinay Goud
- G. Shivaram Reddy
- Abhilash Goud

* FOUND " NEW " PROBLEM STATEMENTS:

* Farmers have stopped jowar, millets because of wild boars problem in the farms. — (UPPERPALLY)

* No higher classes in school only 1st to 7th

* No dedicated village hospital

↳ JAGAYAPALLY PROBLEMS :

- * No Hospital Had to go for town
- * School is closed (lack of teachers). 1 hour walk for students to go to another town school

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Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - 25. The village of panchalingale primarily cultivates onions, potatoes, the harvesting requires bending down which can cause body/back pain

Alignment to Sustainable Development Goals -

Goal 8:- Decent work & economic growth

Goal 3:- Good health & well being

Part I - Analysis of End-User

- Who is the end user?

The end users are the farmers of the village

- What is the user's problem that needs a solution?

Crop harvesting requires farmers to bend over which causes body pains and back aches

- Why is the problem important to solve?

Everyone deserves a comfortable work life regardless of their occupation. The problem affects the farmers health and comfort. So it is important to solve it as health plays a major role in livelihood.

- Who are the other stakeholders?
- Discussion with stakeholders/user
- How they are addressing this problem now
- Any existing solution available if Yes then what are the drawbacks and advantages
- Pictures of visit

The other stake holders are labours who work in the farm

The discussion with user led us to gain more knowledge about their situation. Bending over is causing back aches, heavy rains are causing the crop to get spoilt, old people are facing health issues while farming, insects eating crops they need machines to sow paddy seeds and also need machines to effectively harvesting of groundnut crops.

Currently, no machine has been provided to address this problem.

An existing solution was proposed but it has failed to satisfy the farmers needs and requirements. The crops were spilled on the farmland requiring farmers to bend and pick them causing more work.

Villages visited: upperpally, kandur

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Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - 20

Alignment to Sustainable Development Goals - SDG(6) → clean water and sanitation.

Part I - Analysis of End-User

- Who is the end user?

Village people

- What is the user's problem that needs a solution? water tanks and sumps need regular cleaning to maintain good water quality and prevent the growth of bacteria or algae. if not cleared it causes skin diseases and other health issues.
- Why is the problem important to solve?
To avoid skin diseases and other health issues because of water impurity.
- Who are the other stakeholders?
- Discussion with stakeholders/user
- How they are addressing this problem now drinking water not available so they using domestic water for drinking purpose.
- Any existing solution available if Yes then what are the drawbacks and advantages They are using beaching powder kill the bacteria and algae.
- Pictures of visit
drawbacks for this solution is using a mass of beaching powder causes health issues.
Advantages of this solution is killing bacteria and algae in water.

TEAM-5

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Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - Regular Cleaning of Water Tanks.

Alignment to Sustainable Development Goals - 06 [Clean water and Sanitization].

Part I - Analysis of End-User

- Who is the end user?

Uppanpally village people.

- What is the user's problem that needs a solution?

Regular cleaning of water tanks and sumps.
And to prevent the growth of bacteria and algae.

- Why is the problem important to solve?

To prevent from skin ~~diseases~~ diseases. And important problem is scarcity of water.

- To remove any buildup bacteria and algae.
- Who are the other stakeholders? workers, village head [Secretariat].
- Discussion with stakeholders/user - village people and workers
- How they are addressing this problem now - odour less water and algae.
- Any existing solution available if Yes then what are the drawbacks and advantages - Yes, Regular cleaning of water tanks,
- Pictures of visit → atleast once a month by bleaching powder and every three months complete tank cleaning, by machinery (or) by people.