Report

On

Jaggaipally Village visit

Interaction with User for Problem Scoping and Background Research

on

08-06-2023

Organized by

Center for Innovation and Social Transformation (CIST)

Submitted by

Tuti Sandhya

CIST Coordinator-ECE

CIST-Coordinator

Head-CIST

PRINCIPAL

PRINCIPAL
K.G Reddy College Engineering & Technology
Chikur(V) Moinabad (M) Ranga Reddy Dt. T.S.

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UNNAT BHARAT ABHIYAN

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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 Jaggaipally 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 Jaggaipally 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-

- School is not available in the village, Children are walking 3kms for basic education which is available at Upperpally Village
- There is no public transport facility from the village. They are depending on Autos and other individual transport

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

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.

Report

On

Kandur Village visit

Interaction with User for Problem Scoping and Background Research

on

08-06-2023

Organized by

Center for Innovation and Social Transformation (CIST)

Submitted by

Tuti Sandhya

CIST Coordinator-ECE

CIST-Coordinator   **Head-CIST**   **PRINCIPAL**

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- Able to understand Traditional practices of villagers on sustainability , environment perspective.

Summary Report on Kandur 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 Kandur 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-

- Drainage Water accumulates in the residential Areas
- Lack of digital literacy facilities in school and no proper infrastructure facilities
- There is no public transport facility from the village. They are depending on Autos and other individual transport

About Kandur: Kandur village is in Addakal mandal of Mahbubnagar district in Telangana, India. It is situated 8km away from sub-district headquarter Addakal (tehsildar office) and 32km away from district headquarter Mahbubnagar. As per 2009 stats, Kandur village is also a gram panchayat.The total geographical area of village is 1808 hectares. Kandur has a total population of 5,121 peoples, out of which male population is 2,549 while female population is 2,572. Literacy rate of kandur village is 44.89% out of which 53.35% males and 36.51% females are literate. There are about 1,036 houses in kandur village. Pincode of kandur village locality is 509382.Mahbubnagar is nearest town to kandur for all major economic activities, which is approximately 32km away.

Restricted
బ్బంధ

Raghavendra
electrical work
।రాఘవేంద్ర
ఎలక్ట్రికల్ వర్క్

Kandur
కండూర్

Kandur Darga
కండూర్ దర్గా

Shivashankar Kiranam

Zphs School Kandur
జ్స్ పాఠశాల
కండూర్

Kanduru Raithuvedika

Palle P Vanam Kandur
పల్లి P వనం
కండూర్

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.

Report

On

Solipur Village visit

Interaction with User for Problem Scoping and Background Research

on

08-06-2023

Organized by

Center for Innovation and Social Transformation (CIST)

Submitted 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.

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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08/06/23

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, thier 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

- Why is the problem important to solve?

The old people have to go long distances for drinking water. Thier 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 recieving tap water. For that they have to walk near well to refill thier pots. This includes heavy strain on body. We have interacted with many people and knew thier 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

* <u>FOUND "NEW" PROBLEM STATEMENTS:</u>

* 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 fore 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 panchalingala primarily cultivates onions, potatos, 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 effects the farmers health and comfort. So it is important to solve it as health plays a major role in diveilhood.

- 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 effective harvesting of ground nut 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 b spilled on the farm land requiring farmers to bend and pick them causing more work

Villages visited: upparpally, Kandur

CSE - DATASCIENCE

C . Vaishnavi   22QMIA6708

G . Varsha   22QMIA6715

N . Vaishnavi   22QMIA6739

P . Vaishnavi Reddy   22QMIA6747

K . Ankitha   22QMIA6763

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for Technology

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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 samps they uired regular cleaning to maintain good water quality and prevent the growth of bacteria or algae. if not cleaned 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 uses of beaching powder causes health issues.

  Advantages of this solution is killing bacteria and algae in water.

TEAM-5   BE(AIML)

C. PAVAN [22QM1A6611]

G. BHARATHI [22QM1A6619]

G. SNEHA (22QM1A6622)

P. SRAVANI [22QM1A6646]

T. ANITHA [22QM1A6659]

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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?

  Upparpally 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 algea.

- Why is the problem important to solve?

  To prevent from skin diseases. And important problem is scarity of water. To remove any build up 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 — odwr 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 machinary (or) by people.

Social Innovation

1st year – II sem   CSE-DS

Roll No	Name
22QM1A6751	Vardhan
22QM1A6759	Srinivas
22QM1A6706	Rajesh
22QM1A6712	Khamalesh
22QM1A6735	Manikanth

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Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - Cleaning of Water Tanks and Sanitising

Alignment to Sustainable Development Goals - 06 [Clean water and Sanitation

Part I - Analysis of End-User

- Who is the end user?

    Upparpally Village people.

- What is the user's problem that needs a solution?   Solution
    User's problem.
    - No, water Supply in water Tanks   • Regular cleaning of water tanks and sumps
    - Their is no regular formation of. Cleaning.   • To prevent the growth of bacteria and algea skin. diseases

- Why is the problem important to solve?
    To prevent from Skin diseases, allergies.
    the important problem is Scavity of water.
    and cleaning with ma mechinery tools.

- Who are the other stakeholders?- Worker, Village Head [Secretariat]
- Discussion with stakeholders/user -Village people and worker.
- How they are addressing this problem now -odor less water and algae.
- Any existing solution available if Yes then what are the drawbacks and advantages Yes, Cleaning of water tanks. by using bleaching powder once a month, and clean the tank with mechinery with 3 months after
    or
    by people.
- Pictures of visit

Social Innovation

1st Year – II Sem MECHANICAL

22QMIA0305 - P. Sai Nath Reddy

22QMIA0302 - G. ~~Nadu~~ Nondu

22QMIA0304 - P. Madhu Sudhan Reddy

22QMIA0306 - R. Sampath

08/06/23

Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - Issues related to schools in rular areas

Alignment to Sustainable Development Goals –

Part I - Analysis of End-User

- Who is the end user?

→ The End users are students.

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

→ There is lack of basic amentities & serious issues need to be adressed like no proper classroom, faculty & washrooms etc...

- Why is the problem important to solve?

↳ Schools & Education for children is very much Important to solve. When these students are provided with every luxury Then learning takes place and This will be a good base for bright future.

- 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

Village visited : Kandhur, Upparapally

CSM

Group - 2

22QM1A6625   K - Varun
22QM1A6664   Kiran

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08/06/23

Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - Drainage water accumulates in the residenty areas.

Alignment to Sustainable Development Goals - STG-6 Clearing water. and Sanitation

Part I - Analysis of End-User

- Who is the end user?

  Villagers.

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

  Maintaining clean in india and villages is important for several reasons due to unsainlary situation villagers fall in and stagnation of water becomes breeding for Mosquitoes

- Why is the problem important to solve?

  to reduce people fall illaers and causes and to maintain cleaness diseases

- 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

Shiva kumar 447
Karthik - 412
Sashi - 402
Vinod - 448
Naveen - 427
Revanth Sai - 418

(ECE)

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Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - School student's Problem's.

Alignment to Sustainable Development Goals – Quality education

Part I - Analysis of End-User

- Who is the end user?

  Students

- What is the user's problem that needs a solution?
  - Proper classroom
  - Sanitization
  - Proper meal
  - Quality of education
  - Basic Facilities
  - Good Faculty

- Why is the problem important to solve?

  Education is a basic need which should be available to everyone. Now-a-days, education is everything. We can change everything if we have education. So, all there problems should be solved. so that kids can gain knowledge & change their lives.

- 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

(ECE)

* K. Jyoshnasri – 429
C. Navaneetha – 408
G. kankshitha – 417
T. Rakesh – 455
K. shiva kumar – 424
G. Hemanth – 421

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Engineering India >> homemakers

08/06/23

Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - underground crop farmers facing back pain while plucking the crops

Alignment to Sustainable Development Goals – SDG – 3

Part I - Analysis of End-User

- Who is the end user?

  farmers

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

  Underground crop farmers were facing back pain while plucking the crops like onions, potatoes, and ground nuts

- Why is the problem important to solve?

  According to SDG-3 [Good Health and well being] It is very important to solve their problem

- Who are the other stakeholders? Workers
- Discussion with stakeholders/user They said. It will causes back pain
- How they are addressing this problem now
- Any existing solution available if Yes then what are the drawbacks and advantages
- Pictures of visit

Manasa. - 446
Ashwini - 460
Aryan. - 431
Deeraj. - 438
Deekshith - 439
Varun. - 432
Sai Reddy. - 465

Attendance Sheet

Event: Field visit on problem scoping at Kandwa, Upparapally, Solipur & Jagayapalli

Time & Date: 08/06/22

S.No	Roll Number	Name of the Student	Branch	Signature
1	22QM1A0517	B. Vignesh	CSE-A	
2	22QM1A0514	B. Siddharth	CSE-A	
3	22QM1A0526	C. Keerthana	CSE-A	C. Keerthana
4	22QM1A0513	B. Likhitha	CSE-A	B. Likhitha
5	32QM1A0555	Y. Sravani	CSE-A	G. Sravani
6	22QM1A0552	G. Rithika	CSE-A	G. Rithika
7	22QM1A0516	B. Gouri	CSE-A	Gouri
8	22QM1A0xx	G. Chiranjeev	CSE-A	
9	22QM1A0507	Nakul Mishra	CSE-A	
10	22QM1A0523	B. Anusha	cse-A	Anusha
11	22QM1A0537	D. Ashvitha	cse-A	Ashvitha
12	22QM1A0538	D. Sruthi	cse-A	Sruthi
13	22QM1A0540	B. Tejasri	cse-A	Tejasri
14	22QM1A0547	G. Snehalatha	CSE-A	Sneha
15	22QM1A0539	E. Abhilash	CSE-A	Abhi
16	22QM1A0566	Vinay	CSE-A	Vinay
17	22Q11A6735	Manikanth	C.S-D	
18	22QM1A6759	V. Srinivas	CSD	V. Srini
19	22QM1A6706	Rajesh	CSD	ch.
20	22QM1A6751	Vardhan	CSD	
21	22QM1A6747	P. Vaishnavi	CSD	P. Vaish
22	22QM1A6739	N. Vaishnavi	CSD	Vaish
23	22QM1A6763	K. Ankitha	CSD	Ank
24	22QM1A6708	C. Vaishnavi	CSD	Vaish
25	22QM1A6715	G. Varsha	CSD	Varsha
26	22QM1A6712	Kamalesh	CSD	
27	22QM1A6625	Y. Varun	CSM	
28	22QM1A1664	K. Kiran	CSM	Kiran
29	22QM1A6611	C. Pavan	CSM	
30	22QM1A6622	G. Sneha	CSM	Sneha
31	22QM1A6619	G. Bharathi	CSM	Bharathi
32	22QM1A6646	P. Sravani	CSM	
33	22QM1A6607	B. Anusha	CSM	
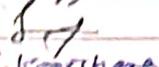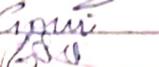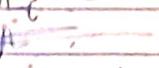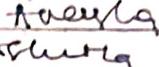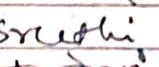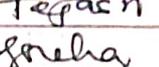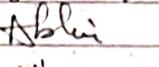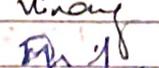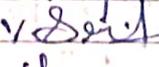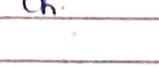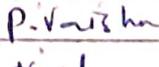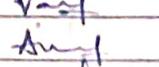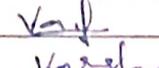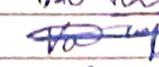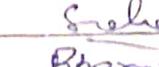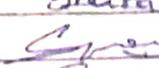
S.No	Roll Number	Name of the Student	Branch	Signature
34	22QM1A6644	P. Jyoshna	CSM	Jyoshna
35	22QM1A6602	Sai priya	CSM	priya
36	22QM1A6623	swetha	CSM	swetha
37	22QM1A0431	L. Aryan goud	ECE	Aryan goud
38	22QM1A0432	P. Varun	ECE	Varun
39	22QM1A0429	K. Jyoshnasireddy	ECE	K. Jyoshnasri
40	22QM1A0408	C. Navaneetha	ECE	C. Navaneetha
41	22QM1A0417	G. Lank shitha	ECE	G. Lank shitha
42	22QM1A0455	T. Rakesh	ECE	T. Rakesh
43	22QM1A0441	Manasa	ECE	Manasa
44	22QM1A0460	Ashwini	ECE	Ashwini
45	22QM1A0439	Deetshith	ECE	Deetshith
46	22QM1A0412	Karthik	ECE	Karthik
47	22QM1A0438	Deeraj	ECE	Deeraj
48	22QM1A0449	Shiva kumar	ECE	Shiva
49	22QM1A0448	Vinod kumar	ECE	Vinod
50	22QM1A0418	Revanth Sai	CCE	Revanth
51	22QM1A0427	Naveen Nayak	ECE	Naveen
52	22QM1A0402	Shashi vardan	ECE	Shiva
53	22QM1A0424	Shiva	ECE	Shiva
54	22QM1A0465	Sai kiran Reddy	CCE	Sai
55	22QM1A0421	Hemanth	ECE	Hemanth
56	22QM1A0302	Nandu	MECH	Nandu
57	22QM1A0304	madhu	MECH	madhu
58	22QM1A0305	Sai reddy	MECH	Sai
59	22QM1A0506	Sampath	MECH	Sampath

Coordinator   **Head-CIST**

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08/06/23

Course - Design Thinking and Sustainable Development

Selected Problem Statement - Interacting with school students about their problems

Alignment to Sustainable Development Goals –

Part I - Analysis of End-User

- Who is the end user?

Govt School students at upparapally village.

- What is the user's problem that needs a solution?
  - They don't have sufficient place to sit & for 137 students, they have only two class rooms.
  - There is no restrooms & there is no furniture for both teachers & student

- Why is the problem important to solve?
  There are 137 students are studying in the school, other children are moving to city (30km away from the village). cleanliness is the main problem in the school

- Who are the other stakeholders? – Teachers and village people
- Discussion with stakeholders/user – Discussion with school children, we came to know their problem
- How they are addressing this problem now – They literately addressed their problem
- Any existing solution available if Yes then what are the drawbacks and advantages —
- Pictures of visit

C keerthana
B Likhitha
G Sravani
B Gauri
G Rithika

Attendance Sheet

Event: Village Visit

Time & Date: 12/06/23

S.No	Roll Number	Name of the Student	Branch	Signature
1	22QMIA0419	Gautami Patnaik	ECE	Patnaik
2	22QMIA0430	K. Nandini	ECE	Nandini
3	22QMIA0422	G. Roopa Sree Vardhini	ECE	G.R.S. Vardhini
4	22QMIA0445	M. Lakshmi Chandia	ECE	M. Lakshmi
5	22QMIA0425	H. Naga S Sravanthi	ECE	H. Naga Sravanthi
6	22QMIA0452	R. Deepela	ECE	
7	22QMIA0434	K. Yogeshwar	ECE	K. Yogesh
8	22QMIA0456	T. Lokesh	ECE	
9	22QMIA0444	M. Maninder P	ECE	
10	22QMIA0423	K. Sai Teja	ECE	
11	22QMIA0410	Arvind.	ECE	
12	22QMIA0444	Md. Khaja	ECE	Mukesh
13	22QMIA0449	M. Mukesh	ECE	Nithin
14	22QMIA0432	M. Nithin	ECE	Mahesh
15	22QMIA0442	M. Mahesh	ECE	Gopal
16	22QMIA0458	V. Hari Gopal	ECE	
17	22QMIA0564	V. Manish	CSE-B	Manish
18	22QMIA0577	P. Rohith	CSE-B	Rohith P
19	22QMIA0566	W. Aarthi	CSE-B	Arif
20	22QMIA0561	T. Anusha	CSE-B	
21	21QMIA6609	Harsha Vardhan	CSM	Harsha
22	22QMIA6650	Sairadh	CSM	
23	22QMIA6648	Anandh vardhan	CSM	
24	22QMIA6651	Sathish	CSM	
25	22QMIA6649	Lovaraya	CSM	Lovanya
26	22QMIA6642	Tansi	CSM	
27	22QMIA6658	Pradhyumna	CSM	SReddy
28	22QMIA6635	Pranathi	CSM	Pranathi
24	22QMIA6640	N. Anil Kumar	CSM	N. Anil Kum
25	22QMIA6654	S. Sandhya	CSM	
26	22QMIA6657	S. Shiva Kumar	CSM	SShiva Kumar
27	22QMIA6621	G. Kishore	CSM	
28	22QMIA6604	R. Jahnavi	CSM	Jahnavi

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S.No	Roll Number	Name of the Student	Branch	Signature
29	22QMIA6608	B. Aarthik	CSM	
30	22QMIA6638	Danish Noman	CSM	H.O.Din
31	22QMIA6645	P. Sri Vardhini	OSM	
82	22QMIA6617	Akash	CSM	
22	22QMIA66R	E. Vardhan	CSM	
24	22QMIA6610	B. Sathish	CSM	
35	22QMIA66	ABDUL KHADAR	csm	
36	22QMIA6663	HARUN	CSM	
31	22DMIA6624	dIRISh PALLY	CSM	Manogna
18	22QMIA6641	N. Manogna	CSM	
39	22QMIA6653	M. Sreeja	CSM	Anitha
40	22QMIA6659	T. ANITHA	CSM	
41	22QMIA0117	M. Bharath	Civil	
42	22QMIA0101	B. Smith	Civil	
H3	22QMIA0109	J. Srilatha	civil	
UU	22QMIA0119	P. Geethanjali	civil	thulsiram
45	22QMIA0104	D. Thulsiram	civil	Deepthi
46	22QMIA0115	M. Deepthi	civil	Shravani
47	22QMIA0106	E. Shravani	civil	Nandhini
48	22QMIA0105	E. Nandhini	CSD	Sai
H9	22QMIA6703	B. SainathReddy	CSD	T. Ush
50	22QMIA6756	T. Jamshi	CSD.	D. Venu.
51	22QMIA6711	D. Venu	CSD.	R. Likhitha
52	22QMIA6749	R. Likhitha	CSD	
53	22QMIA6762	T. Vishnuvardhan	CSD	Naina
54	22QMIA6738	Naina Thakur	CSD.	P. Sneha
55	22QMIA6744	D. Sneha	CSD.	

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Head-CIST

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12/06/23

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Course - Design Thinking and Sustainable Development

Selected Problem Statement -

Alignment to Sustainable Development Goals –

Part I - Analysis of End-User

- Who is the end user?

  Farmer is the end user.

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

  Farmers are seeding the seeds with labours.
  It takes more time and high cost. they
  want to prepare a machine with low cost
  and less labour to complete the work.

- Why is the problem important to solve?

  Farmers are investing the so much money on
  crop harvesting but due to weather condition or
  any problem they are going to debts. from this
  problem farmers are paying so much money to labour and
  takes more time.

- Who are the other stakeholders? → villagers.

- Discussion with stakeholders/user → villagers and users both.

- How they are addressing this problem now → by experiences.

- Any existing solution available if Yes then what are the drawbacks and
  advantages → Yes, by providing machine, labours lose their

- Pictures of visit   works.

Team - 7
1) B. Aarthik   —— 22QM1A6608
2) N. Anilkumar   —— 22QM1A6640
3) Sabarish   —— 22QM1A6610
4) G. Vardhan   —— 22QM1A6618
5) Akash   —— 22QM1A6617

From the village visiting we came to know that Farmers are facing many problems they They are harvesting the crops based on the seasons. They have less work in the fields and go to the Jadcherally for working as the workers in company as cleaners and Mansoon work. There is no Government schools to students also they went to the private schools for the distance of 10 km. There is no Government ×hospital also not available to the villagers they went to the city beside village. Now a day's farmers also sends their childrens to the private schools by paying lakh's of fees. Overall the villagers are working in their village when work is available if their is no work they went to the city beside the village.

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Course - Design Thinking and Sustainable Development

Selected Problem Statement - problem statement No - 15.

Alignment to Sustainable Development Goals –

Part I - Analysis of End-User

- Who is the end user?

Trader / farmer is the end user.

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

loading and unloading goods, resulting in more labour work, loss of grains, more manual work resulting in time waste, where machine takes less time.

- Why is the problem important to solve?

More manual work results in more financial loss to the farmer or trader.

- Who are the other stakeholders? villagers/traders.
- Discussion with stakeholders/user villagers.
- How they are addressing this problem now By experiencing.
- Any existing solution available if Yes then what are the drawbacks and advantages we need to find a solution.
- Pictures of visit

Team

1) Ganapalli Kishore - 22QMHA6621 - CSM
2) Souta Shiva Kumar - 22QMIA6654 - CSM
3) Jahnavi Banoth - 22QMIA6604 - CSM
4) Sri Vaardhini - 22QMIA6645 - CSM
5) Mohammad danish - 22QMIA6638. - CSM.

By enquiring the villagers in chinnapally we got to know that villagers are facing many problems. They are having less work in the fields. and after that they are going to Jadcherla to work as labours and in the companies as cleaners. There are no government schools in the village, if there also the parents are not willing to send their children to government school. They are sending their children to private schools which is 10km far from the village.

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Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - Problem statement No-14

Alignment to Sustainable Development Goals –

Part I - Analysis of End-User

- Who is the end user?

  farmers. is the End user

- What is the user's problem that needs a solution?
  - the crops are getting damage by pigs at the night time
  - Morning time they can manage the crops but at the time the pigs are comming and damaging.

- Why is the problem important to solve?

  Because the crops are getting damaged without proper Maintanance the crops cannot be saved by animals like pig. so this problem is too important to solve

- Who are the other stakeholders? Trades/formers.
- Discussion with stakeholders/user
- How they are addressing this problem now
- Any existing solution available if Yes then what are the drawbacks and advantages fenching wire there but draw backs are animals can break it
- Pictures of visit

1) N. Jhansi — 22QM1A6642
2) R. Sathish — 22QM1A6651
3) P. Sainadh — 22QM1A6650
4) P. Anand Vardhan — 22QM1A6648
5) P. Lavanya — 22QM1A6649.
6) C. Harsha — 21QM1A6609
7) T. Anitha — 22QM1A6659

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Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - The farmers in chinapelly village are facing a major challenge of controlling weed growth in their crop fields.

Alignment to Sustainable Development Goals – (15) SDG Life on land.

Part I - Analysis of End-User

- Who is the end user?

  Komuraiah (65) - [Farmer]

  From - & Peddapalli

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

  Unavailability of workers.
  Nutrition for crops are getting lower.
  Labour charges are more.

- Why is the problem important to solve?

  The problem is important to solve because the crops are destroying day by day. Crop yeilding efficiency is low.

- 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

Team leader : Rohit (464)

Mukesh (449)

Khaja (444)

Hari Gopal (458)

Mahesh (442)

Aravind (410)

Nithin (437)

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Course - Design Thinking and Sustainable Development

Selected Problem Statement - *Paddy seeding*

Alignment to Sustainable Development Goals – 3, 8

Part I - Analysis of End-User

- Who is the end user?

  Bharathamma .
  Laxmamma
  Padmamma

- What is the user's problem that needs a solution?
  1) No hospitals
  2) Wild boars destroying their crops
  3) for paddy seeding 6000 per piece.
  4) No RTC buses.

- Why is the problem important to solve?
  1) If people get any health problem they move to far places for the treatment.
  2) Due to wild boars people are loosing their investment on crops.
  3) Due to this farmers can't pay sufficient amount of money and they face financial problems.

- 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

CSE-B

22 8M1A05C1
22 8M1A05C6
22 8M1A05C4
22 8M1A0599

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Course - Design Thinking and Sustainable Development

Selected Problem Statement - 4an Crop damage by wild boars and animals

Alignment to Sustainable Development Goals —

Part I - Analysis of End-User

- Who is the end user?

  Villagers

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

  crop damage by wildboars and animals so, that's why crops are damaging it leads to crop damage and less productivity.

- Why is the problem important to solve?

  less productivity, Economical loss, To protect the crops.

- Who are the other stakeholders? farmers 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

Group members

1) Sravanthi (22QM1N0425) - ECE

2) Hlinda (22QM1N0452) - ECE

3) Chandini (22QM1N0445) - ECE

4) Roopa Sri Vardhini (22QM1N0422) - ECE

5) Manideep (22QM1N0441) - ECE

6) Yogeshwar (22QM1N0434) - ECE

7) Lokesh (22QM1N0456) - ECE

Users are addressing this problem like their crops are damaged by animals. especially, peanuts (groundnuts) plants are damaged more when compared to other crops. while, paddy and other crops are not damaged much more.

existing solution

yes, one solution exist that is using solar fencing and bombs. Animals like wildboars are fearing about the bombs so keeping that bombs in the field leads to prevent the crop damage But, using bombs leads to the sound pollution and air pollution. so it is one of the advantage and disadvantage.

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Course - Design Thinking and Sustainable Development

Selected Problem Statement - plastic wastage

Alignment to Sustainable Development Goals – sdg-09

Part I - Analysis of End-User

- Who is the end user?

  It's is a Envioremental issuse.

  fibers, cheeti and films, strapping, food
  and beverage botfles and nonfvod containers.
  Plastic

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

  This marine litter and plastic pollution endangers
  aquatic life, tweatens human health and results
  in myriad hidden costs for the economy.

- Why is the problem important to solve?

  Because of usage of plastic is increasing

  · it will be effels the land and natural processes
  reducing ecosystems ability production capabilities solue

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

Branch :- Civil

J. Srilatha   109
M. Deepthi   115
P. Geethanjali 119
M. Bharath   117.

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Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - Crop damage

Alignment to Sustainable Development Goals – SDG-02

Part I - Analysis of End-User

- Who is the end user?

  Farmers

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

  Problem
  1) How can protect crop from pigs and peacocks.

  2. former take care of their crops?

- Why is the problem important to solve?

  castor oil is a natural repellent that keeps aways burrowing pigs and peacocks

- Spearing chemical.. Insecticides.

  ②. Crops are growing weed and kill crops pests.

- 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

1. D. Thulsiram — civil

2. G.t

2. B. Santosh. — civil

3. E. Shravani — civil

4. E. Nandini — civil

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TEAM NO: 10

CSE (AIML)

12/06/23

Design Report Template

Course - Design Thinking and Sustainable Development

Selected Problem Statement - 12

Alignment to Sustainable Development Goals - 02 ("zero hunger")

Part I - Analysis of End-User

- Who is the end user?

  Farmers

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

  The farmers are facing a major problems in controlling weed growth in their crop fields. They are compelled to pluck the weeds manually.

- Why is the problem important to solve?

  This process is time consuming and requires hiring additional laborers. It resulting in higher labor costs. So, farmers need a weed removing machine.

- 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

- Other stakeholders are labors.
- Discussion with stakeholders/user:

Case i:- Mrs. Rangamma, a farmer in Chinnapally village facing lot of problems in buying fertilizers. because, there are no fertilizers near by their village.

→ The labor's are charging Rs. 600 per day during the paddy season.

Case ii:- Ramachandra Reddy is also a farmer who loses his field land during the construction of (Kalla). he also facing the same problems that we have discussed in case i.

from the above, we have came across that, they don't know about the weed removing machine and paddy cultivator.

- yes, the existing solution is available.
→ By using weed removing machine, we can remove the weeds easily without any labor work
→ It doesn't require much time.

M. Sreeja   22QM1A6633
N. Manogna   22QM1A6641
M. pranathi   22QM1A6635
S. sandhya   22QM1A6654