



**Government Degree College (M), Srikakulam**



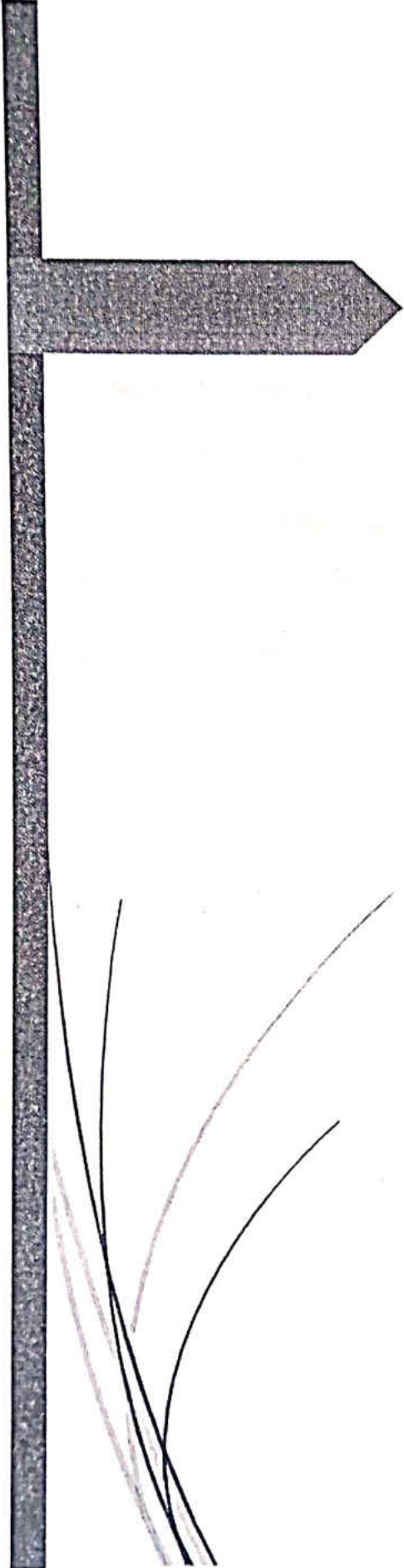
**CSP Internal Assessment (2022-2023)**

|                           |                                |                      |
|---------------------------|--------------------------------|----------------------|
| Name of the Student       | Yenni. Pavanikunari            |                      |
| Class & Year of Study     | B.Sc Bt, 2.c (Sem- II) 2022-23 |                      |
| Registered Mobile Number  | 7287933136                     |                      |
| Assessment Component      | <b>Max Marks</b>               | <b>Marks Secured</b> |
| 1. Project Log            | 20                             | 20                   |
| 2. Project Implementation | 35                             | 35                   |
| 3. Project Report         | 25                             | 24                   |
| 4. Presentation           | 25                             | 23                   |
| Total out of 100          | 100                            | 97                   |

1. Signature of the mentor: M. P. V. S.

2. Signature of the faculty of the same course:

3. Faculty from the languages:



# **Program Book**

## **Community Service Project**

**AP STATE COUNCIL OF HIGHER  
EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

# Program Book for Community Service Project

Name of the Student: V. Pavanikumar

Name of the College: Government Degree College CHENJ, Srikakulam

Registration Number: 2222001123013

Period of CSP: 5 weeks From: 25-5-23 To: 28-6-23

Name & Address of the Community/Habitation: Moolasavalapuram - village  
Sarpabujjili Mandal  
Srikakulam district  
Andhra Pradesh state  
Pin code: 532458

# Community Service Project Report

*Submitted in accordance with the requirement for the degree of.....*

Name of the College: Government Degree College (MEN), Srikakulam

Department: Biotechnology

Name of the Faculty Guide: S. Ravi Babu

Duration of the CSP: From 25.5.23 To 28.6.23

Name of the Student: Yenni. Pavanikumar

Programme of Study: Testing of PH and TDS of water

Year of Study: 2022 - 2023

Register Number: 2222001123013

Date of Submission:

### Student's Declaration

I, V. Pannikumar student of C.S.P. Program, Reg. No. 2222001123013 of the Department of Bt. 2c G.D.C (MEN). College do hereby declare that I have completed the mandatory community service from 25.5.23 to 28.6.23 in Hoolasavalapuram (Name of the Community/Habitation) under the Faculty Guideship of S. Ravi. Babu (Name of the Faculty Guide), Department of Zoology ...in G.D.C (MEN) Sk/m..... College

(Signature and Date)

### Endorsements

Faculty Guide

Head of the Department

Principal



### Certificate from Official of the Community

This is to certify that Y. Pavanikumar (Name of the Community Service Volunteer) Reg. No 2222001123013 of GDC (Men) Sivakulam (Name of the College) underwent community service in Moolasavalapuram (Name of the Community) from 25-5-23 to 28-6-23....

The overall performance of the Community Service Volunteer during his/her community service is found to be Good..... (Satisfactory/Good).

  
Authorized Signatory with Date and Seal

## ACKNOWLEDGEMENTS

First and foremost prayers & thanks to god, the Almighty for his blessings to complete the project successfully. I adore the Honourable chief minister of Andhra Pradesh who always cares for the welfare of the students of his state and who allocated a major share of the budget for Education Sector, and who thinks in a novel way for taking the initiative to implement the Community Service project as an integral part of NEP 2020.

I sincerely thank Dr. Pala Bhaskar, Commissioner of collegiate education, Andhra Pradesh for his vision in implementing the Community Service project (CSP) in accordance with the NEP-2020, which gives the student hands on experience to deal with the problems that confront him in his day to day life.

I am extremely grateful to the authorities of Dr. B. R. Ambedkar University, Srikakulam for their support.

I am indebted to Dr. P. Surekha, principal of Government Degree College (men) Srikakulam for her splendid efforts in enlightening the students by conducting various workshops for effective implementation of this noble project.

I am grateful to Dr. S. Sasi Bhushan, Lecturer in English and co-ordinator of Community Service project for letting us know the importance of this project and inculcating in us the stream of social consciousness.



② which is very essential in our demeanour.

My gratitude is due to the in-charge of the Department of Biotechnology, zoology and chemistry for their supervision and inspirational attitude towards the students

I acknowledge the patience and endurance of our mentor. Mr. M. Pradeep in bringing out this project successfully.

I am greatly appreciative of all the guidance and support provided by Dr. Ch. Shanti Devi and Dr. R. Haritha throughout the entire project work.

I can't forget the kind cooperation and empathy of the Sarpanch of moolasavalapuram village Srikakulam district in making me to stand before the society as a disciplined student, for which I am due to him.



## CHAPTER 1: EXECUTIVE SUMMARY

The community service report shall have only a one-page executive summary. It shall include a brief description of the Community and summary of all the activities done by the student in CSP and five or more learning objectives and outcomes.

*The main objectives of the project are:-*

- Microbial analysis of water
- Capacity building of the public in terms of creating awareness among the public about the microbial analysis of their drinking water.
- Creating awareness in the mode of their drinking water sources.

*The strategy adopted is to:-*

- To identify a potential rural village as the target area.
- To promote awareness in microbial analysis of their drinking water.
- Identification and review of their drinking water sources
- Survey on the utilization of the mode of drinking water.
- Generation and analysis of statistical data.
- Recommendations for maximum and effective mode of drinking water.

## CHAPTER 2: OVERVIEW OF THE COMMUNITY

- About the Community/Village/Habitation including historical profile of the community/habitation, community diversity, traditions, ethics and values.
- Brief note on Socio-Economic conditions of the Community/Habitation.

Locality Name :- Moolasavalapuram  
Mandal Name :- Sorubujjili  
District Name :- Srikakulam  
State :- Andhra Pradesh  
Region :- Andhra  
Language :- Telugu  
Correct Time :- 11:24 AM  
Time zone :- IST (UTC + 5:30)  
Elevation :- 19 meters  
Telephone Code :- 08941  
Alternate village Name: Sindhuvada.

### About Moolasavalapuram:-

It is a small village in Sorubujjili mandal in Srikakulam dist of Andhra Pradesh State, India. It comes under moolasavalapuram panchayat. It belongs to andhra region. It is located 25 kms. away from the district head quarters Srikakulam. The pincode of village is 532458 and postal head office is LNpeta. It is surrounded by Sorubujjili mandal.



## Demographics of Moolasavalapuram:-

|                                      |              |
|--------------------------------------|--------------|
| Total population of Moolasavalapuram | 617          |
| Males                                | 316          |
| Females                              | 301          |
| Living houses                        | 167          |
| Total area of moolasavalapuram       | 111 hectares |

## How to reach Moolasavalapuram

### By road:-

Amadalavalasa is 15km from moolasavalapuram road connectivity is there from amadalavalasa to moolasavalapuram.

### By Rail:-

Srikakulam road rail way station, urlam "rail way station".

### By Bus:-

Narpannapeta APSRTC BUS station, palakonda APSRTC BUS station, Srikakulam APSRTC BUS station.

### Schools near Moolasavalapuram:-

M.P.U.P School , S.V.S School.

### Govt Health Centers near Moolasavalapuram:-

- Kothakota " Sub - Center Street, Near Rama mandir.
- Yaragam " V.B puram , Main Road.
- pedda Savalapuram, " M.S puram, Near School.

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### CHAPTER 3: COMMUNITY SERVICE PART

Description of the Activities undertaken in the Community during the Community Service Project. This part could end by reflecting on what kind of values, life skills, and technical skills the student acquired.

Where we done community service project:-

we choosed moolasavalapuram village to survey a part of community service project and we asked question to the Householders.

\* We asked questions to households like:

- How they use water for drinking?
- what are the sources of water resources for drinking?
- Is there any disease comes from this drinking water?

Intervention project:-

The only way to provide effective care to a huge number of people in need in India is through community participation which can be achieved by creating awareness and disseminating information regarding the benefits available under various water resources to the citizens on how to know the purity.

And also this project served as a bridge relationship between villagers and us through community participation.

This project will be the principal source of information on water resources of the rural population of Andhra Pradesh.

A major strength of this survey lies in the ability to categorize the water - microbial Analysis, characteristics by many demographic and socio-economic characteristics.

# ACTIVITY LOG FOR THE FIRST WEEK

| DAY<br>&<br>DATE | BRIEF DESCRIPTION OF THE DAILY<br>ACTIVITY    | LEARNING OUTCOME                                  | Person<br>In-charge<br>Signature |
|------------------|-----------------------------------------------|---------------------------------------------------|----------------------------------|
| Day -<br>1       | House surveyed Door NO:-<br>1-91, 1-90, 1-92  | Record of socio<br>economic survey<br>statistics  | Y. Pawan<br>Kumar                |
| Day -<br>2       | House surveyed Door no:-<br>1-119, 1-40, 1-49 | Record of socio<br>economic survey<br>statistics  | Y. Pawan<br>Kumar                |
| Day -<br>3       | House surveyed Door no:-<br>1-11, 1-12, 1-15  | Record of Socio<br>economic survey<br>statistics  | Y. Pawan<br>Kumar                |
| Day -<br>4       | House surveyed Door no:-<br>1-48B, 1-93, 1-53 | Record of Socio<br>economic survey<br>statistics. | Y. Pawan<br>Kumar                |
| Day -<br>5       | House surveyed Door no:-<br>1-51, 1-54, 1-55  | Record of Socio<br>economic survey<br>statistics  | Y. Pawan<br>Kumar                |
| Day -<br>6       | House surveyed Door no:-<br>1-1, 1-2, 1-3     | Record of socio<br>economic survey<br>statistics  | Y. Pawan<br>Kumar                |



## WEEKLY REPORT

WEEK - 1 (From Dt. 25.5.23. to Dt. 31.5.23...)

Objective of the Activity Done:

Detailed Report:

I visited and surveyed the house of door number 1-91, 1-90, 1-92 for the record of socio-economic survey.

on the second day, I visited the houses door number 1-119, 1-40, 1-49 to survey their details for Socio-economic survey.

I visited and surveyed the houses on third day of door number 1-11, 1-12, 1-15 for the record of socio economic survey. on the fourth day, I visited the house door numbers 1-48B, 1-93, 1-53 to survey their details for socio-economic survey.

on the fifth day, I visited the houses door number 1-51, 1-54, 1-55 to survey their details for socio economic survey.

I visited and surveyed the houses on sixth day of door number 1-1, 1-2, 1-3 for record of socio economic survey.



# ACTIVITY LOG FOR THE SECOND WEEK

| DAY<br>&<br>DATE | BRIEF DESCRIPTION OF THE<br>DAILY ACTIVITY   | LEARNING<br>OUTCOME                               | Person<br>In-charge<br>Signature |
|------------------|----------------------------------------------|---------------------------------------------------|----------------------------------|
| Day -<br>1       | House surveyed door no:-<br>1-4, 1-6, 1-9    | Record of socio<br>economic survey<br>statistics  | Y. Pavani<br>Kumari              |
| Day -<br>2       | House surveyed door no<br>1-10, 1-15, 1-18   | Record of socio<br>economic survey<br>statistics  | Y. Pavani<br>Kumari              |
| Day -<br>3       | House surveyed door no:-<br>1-20, 1-23, 1-24 | Record of socio<br>economic survey<br>statistics  | Y. Pavani<br>Kumari              |
| Day -<br>4       | House surveyed door no:-<br>1-30, 1-45, 1-52 | Record of socio<br>economic survey<br>statistics  | Y. Pavani<br>Kumari              |
| Day -<br>5       | House surveyed door no:-<br>1-56, 1-57, 1-60 | Record of socio<br>economic survey<br>statistics  | Y. Pavani<br>Kumari              |
| Day -<br>6       | House surveyed door no:-<br>1-67, 1-63, 1-64 | Record of socio<br>economic survey<br>statistics. | Y. Pavani<br>Kumari              |

## WEEKLY REPORT

WEEK - 2 (From Dt. 1.6.23. to Dt. 7.6.23.)

Objective of the Activity Done:

Detailed Report:

on the first day of the second week, I visited and surveyed the houses of door number 1-4, 1-6, 1-9 of socio-economic survey.

I visited and surveyed the houses on second day of door number 1-10, 1-15, 1-18 of socio-economic survey.

on the third day, I visited the houses door number 1-20, 1-23, 1-24 to survey their details for Socio Economic Survey.

I visited and surveyed the houses on fourth day of door number 1-30, 1-45, 1-52 of socio-economic survey.

on the fifth day, I visited the houses door number 1-56, 1-57, 1-60 to survey their details for socio economic survey.

I visited and surveyed the houses on sixth day of door numbers 1-67, 1-63, 1-64 of socio economic survey.



### ACTIVITY LOG FOR THE THIRD WEEK

| DAY<br>&<br>DATE | BRIEF DESCRIPTION OF THE DAILY<br>ACTIVITY                          | LEARNING OUTCOME                            | Person<br>In-charge<br>Signature |
|------------------|---------------------------------------------------------------------|---------------------------------------------|----------------------------------|
| Day -<br>1       | Preparations of placods<br>based on microbial analysis<br>of water. | Preparatory work<br>for Creativity<br>work  | Y. Pavan<br>Kumar                |
| Day -<br>2       | Preparations of placods<br>based on microbial analysis<br>of water. | Preparatory work<br>for Creativity<br>work. | Y. Pavan<br>Kumar                |
| Day -<br>3       | I gathered some people<br>and we did rally in<br>the Street-1       | Awareness among<br>the community            | Y. Pavan<br>Kumar                |
| Day -<br>4       | I gathered some people<br>and we did rally in<br>Street-2           | Awareness among<br>the community            | Y. Pavan<br>Kumar                |
| Day -<br>5       | I gathered some people<br>and we did rally in<br>Street-3           | Awareness among<br>the community            | Y. Pavan<br>Kumar                |
| Day -<br>6       | I gathered some people<br>and we did rally in<br>Street-4           | Awareness among<br>the community.           | Y. Pavan<br>Kumar                |



## WEEKLY REPORT

WEEK - 3 (From Dt. 8-6-23... to Dt. 14-6-23...)

Objective of the Activity Done:

Detailed Report:

1. for the first 2 days of week-3, I prepared the placards creatively based on microbial analysis of water for rally.
2. I gathered some people and we all did rally in Street-1 to create awareness among the community on third day.
3. on fourth day, I gathered some people and we all did rally in Street-2 to create awareness among the community.
4. I gathered some people and we all did rally in Street-3 to create awareness among the community of fifth day.
5. on sixth day, I gathered some people and ~~we all did rally in Street-4 to create awareness among the community.~~  
we all did rally in Street-4 to create awareness among the community.

# ACTIVITY LOG FOR THE FOURTH WEEK

| DAY<br>&<br>DATE | BRIEF DESCRIPTION OF THE DAILY<br>ACTIVITY                    | LEARNING OUTCOME               | Person<br>In-charge<br>Signature |
|------------------|---------------------------------------------------------------|--------------------------------|----------------------------------|
| Day -<br>1       | I interacted with the community people one on one in Street-1 | Learning about their problems  | Y. Pavan<br>Kumar                |
| Day -<br>2       | I interacted with the community people one on one in Street-2 | Learning about their problems  | Y. Pavan<br>Kumar                |
| Day -<br>3       | I interacted with the community people one on one in Street-3 | Learning about their problems  | Y. Pavan<br>Kumar                |
| Day -<br>4       | I interacted with the community people one on one in Street-4 | Learning about their problems. | Y. Pavan<br>Kumar                |
| Day -<br>5       | I interacted with the community people one on one in Street-5 | Learning about their problems  | Y. Pavan<br>Kumar                |
| Day -<br>6       | I interacted with the community people one on one in Street-6 | Learning about their problems. | Y. Pavan<br>Kumar                |



## WEEKLY REPORT

WEEK - 4 (From Dt 15-6-23.. to Dt 21-6-23..)

Objective of the Activity Done:

Detailed Report:

- 1, I planned this week for interaction so, on the first day. I interacted with the community people one on one of Street-1 to learn about their problems on a personal level.
- 2, on second day, I interacted with the community people one on one of Street-2 to learn about their problems.
- 3, I interacted with the community people one on one of Street-3 to learn about their problems on third day.
- 4, on fourth day, I interacted with the community people one on one of Street-4 to learn about their problems.
- 5, I interacted with the community people one on one of Street-5 to learn about their problems of fifth day.
- 6, on the sixth day, I interacted with the community people one on one of the street-6 to learn about their problems.



### ACTIVITY LOG FOR THE FIFTH WEEK

| DAY<br>&<br>DATE | BRIEF DESCRIPTION OF THE DAILY<br>ACTIVITY                              | LEARNING OUTCOME                                  | Person<br>In-charge<br>Signature |
|------------------|-------------------------------------------------------------------------|---------------------------------------------------|----------------------------------|
| Day -<br>1       | Interaction with municipal officer on water resources with the people   | Develop knowledge about water analysis            | Y. Pavan Kumar                   |
| Day -<br>2       | Interaction with the sarpanch & Gram voluntary of people.               | Awareness about microbial analysis of water       | Y. Pavan Kumar                   |
| Day -<br>3       | Providing awareness to people about their drinking water resources      | Learning about the water analysis                 | Y. Pavan Kumar                   |
| Day -<br>4       | Teaching the people to purify water before drinking                     | Learning about the natural mode of drinking water | Y. Pavan Kumar                   |
| Day -<br>5       | Providing information about microbial Analysis of their drinking water. | Awareness about Government Subsidies of water     | Y. Pavan Kumar                   |
| Day -<br>6       | Giving information about modes of drinking water                        | Awareness about microbial analysis of water.      | Y. Pavan Kumar                   |

## WEEKLY REPORT

WEEK - 5 (From Dt. 22-6-23 to Dt. 28-6-23.)

### Objective of the Activity Done:

### Detailed Report:

- 1, on the first day of week-5, I took the help of researcher to tell the importance of water purifying with the community people.
- 2, on the second day, Along with the gram volunteer we tried to let people know about the awareness of water analysis.
- 3, on the third day, I worked with educated people to interact with people who knows all about the view of microbial analysis of water.
- 4, on the fourth day, I took the initiative to encourage the community members with, Head of the village for the awareness among community people.
- 5, on the fifth day with all the supporters together, I took the aim to personally make the people on different modes of drinking water.
- 6, on the sixth day, with all the supporters together I took the aim to personally make the people on different modes of drinking water.





GOVERNMENT DEGREE COLLEGE (M), SRIKAKULAM

COMMUNITY SERVICE PROJECT

SOCIO - ECONOMIC SURVEY

Name of the Student :

Group :

Registration Number :

Area of the Survey conducted:

|             |  |                  |  |                            |  |
|-------------|--|------------------|--|----------------------------|--|
| House No.   |  | Habitat<br>/Ward |  | Panchayat<br>/Municipality |  |
| Post office |  | Mandal           |  | District                   |  |

1. Household Details:

| S.No. | Name of the Person | Gender<br>M/F | Age | Education | Profession/<br>Employment | Income (Daily<br>wage/Weekly/<br>Monthly) |
|-------|--------------------|---------------|-----|-----------|---------------------------|-------------------------------------------|
|       |                    |               |     |           |                           |                                           |
|       |                    |               |     |           |                           |                                           |
|       |                    |               |     |           |                           |                                           |
|       |                    |               |     |           |                           |                                           |
|       |                    |               |     |           |                           |                                           |
|       |                    |               |     |           |                           |                                           |
|       |                    |               |     |           |                           |                                           |

2. Social Status details:

(I) Community: SC/ST/ BC-A-B-C-D/ OC (II) Sub-Caste: (III) Religion:

3. Economic Status details:

(i) Type of House: Hut/ Semi Pucca/ Pucca/ Apartment/ Bungalow

(ii) House status (Own/ Rented):

(iii) Drinking Water facility: Well/ Bore-well/ Govt. Tap connection

(iv) Availability of Agricultural land: Yes/ No

(v) Extent of Agricultural land: \_\_\_\_\_ Acres

(vi) Livestock resources: Cows \_\_\_\_\_ Oxen \_\_\_\_\_ Buffaloes \_\_\_\_\_ Sheep/Goats \_\_\_\_\_

(vii) Do you have own toilet? Yes/No

(viii) Type Cooking fuel used: LPG/Kerosene/ Wood/ others specify \_\_\_\_\_

(ix) Do you have white Ration Card? Yes/No

(x) Do you have vehicle? Two-wheeler/ Auto/ Car/ Any other vehicle

#### 4. Health Details:

(i) Allments in family:

(ii) Treatment in which Hospital: Govt/Private

(iii) Any PWD Persons in family: Yes/No

| S.No. | Name of the Person | Gender | Age | Nature of Disability |
|-------|--------------------|--------|-----|----------------------|
|       |                    |        |     |                      |
|       |                    |        |     |                      |

(iv) Do you have Govt. Arogya Sri Card: Yes/No

#### 5. Other Details:

(i) Do You have TV: Yes/No

(ii) Do you have Mobile: Yes

(iii) Mobile Number:

(iv) Do you have Computer/Laptop: Yes/No

(v) Is Internet available at home: Yes/No

#### 6. Any specific problems Identified in the village/ Ward:

(i)

(ii)

(iii)

Place:

Date:

Signature of the Student

Signature of the Mentor





|         |                 |      |              |            |        |       |             |              |                    |                    |            |           |           |           |         |
|---------|-----------------|------|--------------|------------|--------|-------|-------------|--------------|--------------------|--------------------|------------|-----------|-----------|-----------|---------|
| 10-1-3  | S.Tavitamma     | 68 F | 726375081635 | 7093721274 | BCD    | Hindu | wage seeker | -            | -                  | -                  | -          | tap water | absent    |           |         |
| 17-1-14 | B Adinarayana   | 60 M | 783155615701 | 6300408601 | BCD    | Hindu | farming     | 1.0 tank     | paddy, green grams | black soil         | cow/calf   | 1/1       | tap water | present   |         |
|         | B chinnammadu   | 54 F | 400350513858 | -          | -      | -     | -           | -            | -                  | -                  | -          | -         | -         | -         |         |
| 18-1-6  | S thakkar Rao   | 70 M | 460236309140 | 8179520989 | BCD    | Hindu | wage seeker | -            | -                  | -                  | -          | tap water | absent    | -         |         |
|         | S chinnammadu   | 60 F | 806008560784 | -          | -      | -     | -           | -            | -                  | -                  | -          | -         | -         | -         |         |
| 19-1-9  | B kondalareo    | 60 M | 62782334285  | -          | BCD    | Hindu | farming     | 1.0 Tank     | paddy, green grams | Black soil         | cow/calf   | 1/1       | tap water | present   |         |
|         | B Dhanalakmi    | 50 F | 620678933139 | -          | -      | -     | -           | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | B manikanta     | 25 M | 673234368629 | -          | degree | -     | studying    | -            | -                  | -                  | -          | -         | -         | -         |         |
| 20-1-11 | Juramma         | 70 F | 919257862425 | 8978598607 | BCD    | Hindu | farming     | 3.0 Tank     | paddy, black grams | Black soil         | -          | -         | tap water | absent    |         |
|         | J Ramanaayya    | 45 M | 599774888510 | 9866183721 | BCD    | Hindu | Farming     | 1.02 Tank    | paddy, green grams | Black soil         | cow/calf   | 1/1       | tap water | present   |         |
| 21-1-10 | J richnavenli   | 40 F | 480806507356 | -          | -      | -     | house wife  | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | J lokakshi      | 19 F | 729621512454 | 9502646284 | Inter  | -     | studying    | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | J Dilleswararao | 18 M | 718199074483 | -          | degree | -     | studying    | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | B auribabu      | 46 M | 600857252403 | -          | -      | -     | -           | 3.0 Tank     | paddy, green grams | Black soil         | -          | -         | tap water | present   |         |
| 22      | B varalakmi     | 40 F | 989131989072 | -          | -      | -     | -           | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | S Usharani      | 25 F | 558789397875 | 8102629375 | 10th   | BCD   | Hindu       | -            | -                  | -                  | -          | -         | tap water | absent    |         |
| 24-1-54 | M rajarao       | 52 M | 939075420097 | 9490566031 | -      | BCD   | Hindu       | farming      | 1.5 Tank           | paddy, green grams | Black soil | cow/calf  | 1/1       | tap water | present |
|         | M laxmi         | 50 M | 869847260391 | -          | -      | -     | house wife  | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | M venkataramma  | 27 M | 846291181416 | 9000019430 | degree | -     | studying    | -            | -                  | -                  | -          | -         | -         | -         |         |
| 25-1-45 | K Apparao       | 53 M | 463641360180 | 7075807102 | -      | BCD   | Hindu       | farming      | 3 Tank             | paddy, green grams | Black soil | cow/calf  | 2/2       | tap water | present |
|         | K Ramenamma     | 42 F | 225282894094 | -          | -      | -     | house wife  | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | K koti          | 20 M | 923528583991 | -          | Inter  | -     | studying    | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | K Tola          | 23 F | 851789795464 | -          | degree | -     | studying    | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | K Shankararao   | 21 M | 871120193465 | 7095137525 | degree | -     | studying    | -            | -                  | -                  | -          | -         | -         | -         |         |
| 26-1-9  | B Dalingarao    | 43 M | 766097988607 | 9121924237 | -      | BCD   | Hindu       | farming      | 3 Tank             | paddy, green grams | Black soil | cow/calf  | 1/1       | tap water | present |
|         | B laxmi         | 41 F | 251807399760 | -          | -      | -     | -           | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | B Ravikumar     | 20 M | 721893562361 | 9573920886 | degree | -     | studing     | -            | -                  | -                  | -          | -         | -         | -         |         |
| 27-1-10 | T harinarao     | 65 M | 957949119942 | 9491134749 | 10 th  | BCD   | Hindu       | farming      | 10 Tank            | paddy, green grams | Black soil | -         | -         | tap water | absent  |
|         | T suguna        | 40 F | 62772093089  | 9676072003 | 9th    | -     | -           | -            | -                  | -                  | -          | -         | -         | -         |         |
| 28-1-23 | S Narasamma     | 77 F | 664317618060 | 9177907073 | -      | BCD   | Hindu       | wage seekers | -                  | -                  | -          | -         | tap water | absent    |         |
|         | S pentayya      | 81 M | 492991411959 | -          | -      | -     | -           | -            | -                  | -                  | -          | -         | -         | -         |         |
| 29-1-19 | V Srinu         | 38 M | 951987655522 | 9390001384 | 5th    | BCD   | Hindu       | farming      | 15cents            | paddy              | black soil | cow/calf  | 1/1       | tap water | present |
|         | V.Laila         | 28 F | 717093480887 | -          | 10th   | -     | -           | -            | -                  | -                  | -          | -         | -         | -         |         |
|         | V.vespika       | 11 F | 78928485781  | -          | 7th    | -     | -           | -            | -                  | -                  | -          | -         | -         | -         |         |



|    |       |                                               |                              |                                                              |                                          |                    |                                                          |          |          |      |                    |            |           |     |           |         |
|----|-------|-----------------------------------------------|------------------------------|--------------------------------------------------------------|------------------------------------------|--------------------|----------------------------------------------------------|----------|----------|------|--------------------|------------|-----------|-----|-----------|---------|
| 30 | 1-20  | V.Pravintha<br>V.Padaya<br>V.Jayakantham      | 9 F<br>70 M<br>60 F          | 533043790066<br>518577916074<br>928640010875                 | 4th<br>-<br>-                            | BCD<br>-<br>-      | hindu<br>farming<br>farming                              | studying | 30cents  | tank | paddy              | black soil | cow/calf  | 1/1 | tap water | present |
| 31 | 1-71  | J.Ramasee<br>J.Jayaratnam<br>J.Ravikumar      | 62 M<br>50 F<br>26 M         | 517303943608<br>851686163708<br>270102202168                 | 8978408607<br>-<br>9177909964            | BCD<br>-<br>10th   | hindu<br>farming<br>farming                              | studying | 2.0 tank | -    | paddy, black gram  | black soil | cow/calfs | 1/2 | tap water | present |
| 32 | 1-72  | J.Komal Rao<br>J.Ramya                        | 28 M<br>21 F                 | 545468883376<br>477130008309                                 | 9121421993 Degree<br>-                   | BCD<br>10th        | hindu<br>working<br>housewife                            | studying | -        | tank | -                  | -          | -         | -   | tap water | absent  |
| 33 | 1-108 | S.Ramu<br>S.Manga<br>S.Sindu<br>S.Mancharan   | 40 M<br>37 F<br>17 M<br>14 M | 714919968139<br>939837257115<br>991264153132<br>956421358226 | 8179529389 10th<br>8th<br>Inter<br>9th   | BCD<br>-<br>-<br>- | Hindu<br>Carpenter<br>house wife<br>studying<br>studying | studying | -        | -    | -                  | -          | -         | -   | tap water | absent  |
| 34 | 1-151 | M.Chinnavadu<br>M.Adamil                      | 60 M<br>58 F                 | 918625274273<br>706788315671                                 | -<br>-                                   | BCD<br>-           | Hindu<br>farming                                         | studying | 1.0 Tank | -    | paddy              | Black soil | Cow/calf  | 1/1 | tap water | present |
| 35 | 00    | B.Ramasamma<br>B.Durgendad<br>B.venkatarajana | 35 F<br>13 M<br>12 M         | 553001353151<br>991894239278<br>666240891189                 | 9160190831 8th<br>8th<br>7th             | BCD<br>-<br>-      | Hindu<br>wage seeker<br>studying<br>studying             | studying | -        | -    | -                  | -          | -         | -   | tap water | absent  |
| 36 | 1-20  | B.Chinnavadu<br>B.Jamal                       | 69 M<br>60 F                 | 304701869671<br>823453622411                                 | 9121999694<br>-                          | BCD<br>-           | Hindu<br>farming                                         | studying | 5.0cents | Tank | paddy              | Black soil | Cow/calf  | 1/1 | tap water | present |
| 37 | 1-23  | B.Governdadu<br>B.Ruparad<br>B.Vinay          | 30 M<br>22 F<br>3 M          | 423781644944<br>967649800234<br>988166924208                 | 9121999694 Inter<br>Inter<br>-           | BCD<br>-<br>-      | Hindu<br>working<br>house wife<br>studying               | studying | -        | -    | -                  | -          | -         | -   | tap water | absent  |
| 38 | 1-24  | G.Dileswar Rao<br>G.Jagata<br>G.Gayatri       | 48 M<br>40 F<br>21 F         | 902107961424<br>254732867457<br>729898979833                 | 8179175502<br>-<br>Inter                 | BCD<br>-<br>-      | Hindu<br>carpenter<br>house wife<br>studying             | studying | -        | -    | -                  | -          | -         | -   | tap water | absent  |
| 39 | 1-94  | K.Amaravadi<br>K.Bhaya                        | 42 F<br>18 F                 | 893072097322<br>737596279841                                 | 8688009007 5th<br>Inter                  | BCD<br>-           | Hindu<br>farming                                         | studying | 3.0 Tank | -    | paddy, black grams | Black soil | cow/calf  | 1/1 | tap water | present |
| 40 | 1-151 | M.Jayaramayya<br>M.Jayal<br>M.Chandrasekar    | 49 M<br>44 F<br>21 M         | 264569265501<br>818938689961<br>817285186583                 | 8500617109 8th<br>-<br>6304560062 Degree | BCD<br>-<br>-      | Hindu<br>farming<br>studying                             | studying | 2.0 Tank | -    | paddy, green grams | Black soil | -         | -   | tap water | present |





## CHAPTER 5: OUTCOMES DESCRIPTION

Details of the Socio-Economic Survey of the Village/Habitation. Attach the questionnaire prepared for the survey.

Socio Economic Survey was conducted in moolasavalapuram village of Sarpukijili mandal in Srikakulam district of Andhra Pradesh State India. It comes under moolasavalapuram panchayath, It belongs to Andhrap Pradesh region. we selected this village to have Socio-Economic Survey as it had many types of people with different works people of that village were familiar with us in finding of their detail. we prepared a questionnaire to be fulfilled with their details, which includes the number of people. Caste their education water resource, transport, land, Income, their poultry, About electrical gadgets in their house and also government health. Schemes and physically handicapped people details. Type of rationcard they have. their religion and also details type of permanent address. we had a brief account of their lives by this information we noticed that the scarcity of water resource existed in them. As their water had large content of good minerals are present so their water can be consumed and also PH and TDS which we tested was not supposed to drink. So we suggest to drink boil water and

also we took an intion to increase their water supply from the government which we noticed as the most outcome of our project the questionnaire. that were asked to them are as a follows.



**Description of the Community awareness programme/s conducted w.r.t the problems and their outcomes.**

We Selected moolasavalapuram village in the Socio-economic Survey for collecting details according to our questionnaire. It is related to water, mostly the problems that we observed are mostly about scarcity of drinking water and purified drinking water the villagers are unaware of pure drinking water. They had lack of modes of drinking water. Even they do not their voice to the government for better water supply.

The borewell water are enough to drinking as it is not a drinking water resource they identified the water is full of good minerals of water and water has good health that government tap water is the only source of drinking water to them except that other resources are good enough and also due to lack of good transports system they were unable to had mineral water at know cost any other mineral plants are not located near to the village.

water scarcity limits access to safe water for drinking and for practicing basic hygiene at home in schools and health care facilities in the village as it increase the price of pure drinking water to them.



Short-term and long term action plan for possible solutions for the problems identified and that could be recommended to the concerned authorities for implementation.

### Short term action plan:-

Providing of water sufficiently because the region has potable water in a good quantity. purity and increased by using reverse osmosis technology and also by providing water lines to every house for increase the in-take of water.

- using boiled water rather than cold water.

### Long term action plan:-

- water is one of the most precious resources on the planet.
- we use "water saving aerators in handwash and sinks.
- By promoting "Eco soft machines for managing their water quantity.
- By using water purifiers like reverse osmosis technology.
- Some rivers are consist of huge algae for this, we use chemical free solution to monitor and control algal blooms in rivers.
- Using Desalination which is solar powered distillation systems for desalination of water.
- "Hello" is a device which produce safe-water from non-drinkable water sources.
- membrane filtration process "Reverse osmosis" and "Acetpedialysis" methods are used to reduce the content of salts in drinking water.



### Describe the problems you have identified in the community

→ Community awareness were created in the people by many ways they are we gathered some of villages on a day and prepared some placards to communicate with the villagers in a way of rally. we prepared some slogans which create awareness in the people to educate them. on the next day we arrange some meeting along with Sarpanch to educate the illiterate people by research observations and also we provide some ways to overcome the purity of the drinking water. Good minerals are present so those water can be consumed. we collected some of the people's opinion about this survey for the report to be submitted which can assure some relief to the people. we came with the outcomes in the form of short term action plan and long term action plan which includes about good minerals are present so the water can be consumed in a short term action plan and long term action plan and usage of water saving appliances and by promoting Eco-soft Technologies for managing their water quantity and water is good for health which produce safe-water from non-drinkable water resources. most of the outcomes that we got from this project is that water is precious mainly drinking water sources to all is difficult and mainly they asked us to provide better supply of water and a healthy water supply to them.



### **Report of the mini-project work done in the related subject w.r.t the habitation/village.**

A mini-project work in the related subject w.r.t the habitation/village. (For ex., a student of Botany may do a project on Organic Farming or Horticulture or usage of biofertilizers or biopesticides or effect of the inorganic pesticides, etc. A student of Zoology may do a project on Aquaculture practices or animal husbandry or poultry or health and hygiene or Blood group analysis or survey on the Hypertension or survey on the prevalence of diabetes, etc.

The Report shall be limited to 6 pages.

#### Water:-

Freshwater being one of the basic necessities for sustenance of life. The human race through the ages has striven to locate and develop it, water, a vital source of life in its natural state is free from pollution but when man tampers with the waterbody it loses its natural condition. Groundwater has become an essential resource over the past few decades due to increase in its usage for drinking irrigation and industrial uses etc. In the last few decades, there has been a tremendous increase in the demand of freshwater due to rapid growth of population and the accelerated pace of industrialization. Human health is threatened by most of the agricultural development activities, particularly in relation to excessive applications of fertilizers and unsanitary conditions. Rapid urbanization especially in developing countries, like India has affected the availability & quality of groundwater due to its over exploitation and improper waste disposal, especially in the urban areas. According to WHO organization, about 80% of all the diseases in human beings are water-borne.



further ground water and the pollutants it may carry move with the sources of pollution and degradation. In ground water quality remain undetected, for years. once the ground water is contaminated its quality cannot be stopped by arresting the pollutants from the source. polluted water lead to various gastrointestinal problems. Liver infection, tropical diseases and terminal diseases like cancer children are often the worst affected drinking like cancer in large numbers because diarrhoea as that quantity.

water can be tested by physical methods at home levels by pH and TDS in which it can show the water purification to use it as drinking water.

we collect some water sample from village named as Moolasavalapuram of Srikakulam district. In which most of the villagers use government water supply named as YSR Jalteerana Yagnam. Because the water of that region is full water had minerals is very good, and it is good for health which is already tested by government sources to agricultural work.

## Measurement of PH of the water sample:-

### 1. Get to know the PH by using Litmus paper:-

Litmus papers are strips of paper that contain on acid or base the most common of these are red and blue the red strip turns blue if the substance is alkaline and the blue strip turns red if they contact an acid. Litmus papers can be used to provide a quick and easy test. but it can be gives a result.

### 2. collect a sample of the water in a clean condition

The water sample must be deep enough to cover the test strip.

### 3. Dip a test strip in to your sample:-

Just a few seconds of exposure will suffice. The different indicator bars on the paper will begin changing colour within a few moments.

### 4. Compare the test strip with the colour chart that came with the paper.

The colours on the chart was matched to one of it's colour of the test strip. The chart correlate colour patterns to the PH levels.

The PH of the water sample which is collected from modasaavalapuram had 18.9 of the borewell and tap water.



Measurement of TDS - using filter paper & A scale of the water sample:-

weigh the evaporating dish:-

Measure the evaporating dish using a weighing machine and note the reading in mg:- Before we measure the weight of the evaporating dish that the dish is completely empty, dry and free from any extraneous matter.

Stir extraneous matter:-

Stir the water sample vigorously so that the matter present in the water can be dispersed equally throughout the water sample.

Collect the water sample:-

Take 50ml of water sample using a pipette while taking the water sample. Ensure that no matters are settled down on the container bottom. If the matter is settled down on the container bottom, stir the water sample and then take a sample. Because if the matter is not dispersed equally, then spading will not be accurate.

Extract the filtrate:-

Now, pour the water sample into the container through the filter paper. Repeat this process at least 3 times to ensure that the matter is entirely collected in the filter paper and transfer to the evaporating dish.

weigh the evaporating dish with the filtrate

Allow the present matter to dry completely then weigh evaporating dish with extracted filtrate and note the reading. In mg and calculate the TDS value.

## Calculation of water TDS value

$$\text{TDS} = (A-B) \frac{1000}{50\text{ml}}$$

A = Evaporating dish weight with filter in mg.

B = Empty evaporating dish weight in mg taken.

$$\text{TDS} = \frac{(50 - 40.55) \times 1000}{50\text{ml}}$$

$$\text{TDS} = \frac{38.05 \times 1000}{100}$$

$$\text{TDS} = 9.45 \times 20$$

$$\text{TDS} = 189.00 \text{ PPM}$$

TDS of the given solution which is taken from the moolasavalapuram village tap water is 189 PPM.

TDS which is in between 100-150 is good for drinking. It is good to drink which is absolutely suitable. So they use this water supply for their drinking water purpose.

PH which is lies between 7 to 8 is good for health. PH of the taken solution is 7.81 which is good to drink with alkaline nature. So they choose this water which is provided by the government for drinking Purpose.



water purification can remove all the unnecessary bacteria and viruses from the water that is hazardous for our health. Water purification may also improve the flavour and appearance of water. It removes the unpleasant odour.

Freshwater is a finite and limited resource on earth and increasingly much of it is polluted by both pathogenic microbes and chemical contaminants.

As there is scarcity in drinking water in moolasa-valapuram village, the main source to them is Government water supply. So we trust them to drinking source should be boiled for better health conditions.

We also suggested them to not to store that water for many days to prevent water microbes growth. We had a meeting with the volunteer's president to good microbes are present so that water can be consumed and also we put a step forward to increase their water supply at any time.

We create awareness among the villagers about the healthy drinking water and its benefit to them.

Selection of moolasavalapuram village in Srikakulam district, Andhra Pradesh as the study area due to its rural and backward status

Identification of 60 households for the demographic survey and identification of the water resources and mode of drinking water being implemented by the people.

Across sectional study was conducted by administering a well structured questionnaire. The questionnaire comprised of three sections assessing knowledge, awareness and utilization of the drinking water.

Preactive awareness programs on the P.H and T.D.S analysis of water

Statistical analysis of the collected data

Steps proposed for more effective implementation and utilization of the pure water.



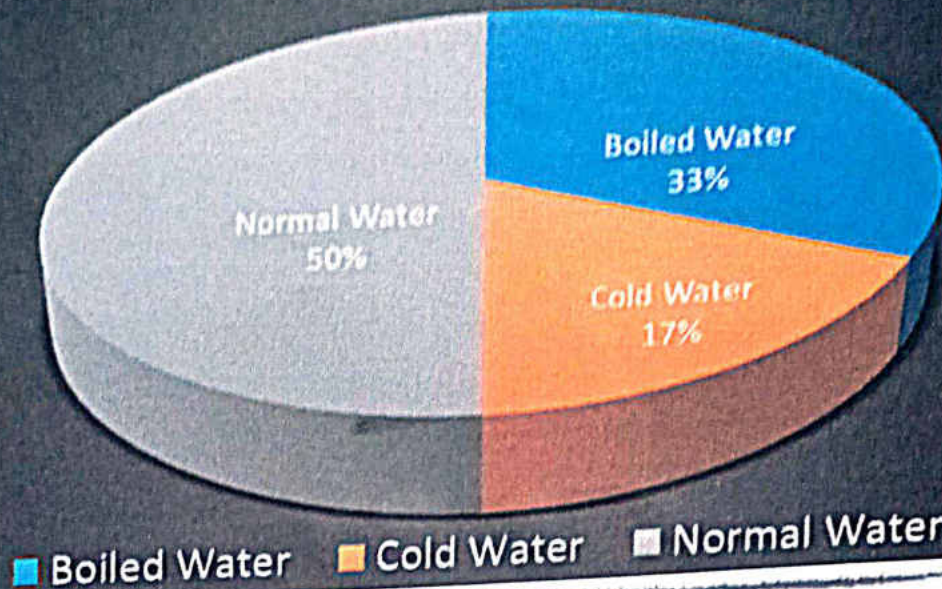
## CHAPTER 6: RECOMMENDATIONS AND CONCLUSIONS OF THE MINI PROJECT

Water plays a key role in everyone's life as the healthy water is needed in everyone's life. They also asked us to provide healthy water resources for them to drink to that we provide short term action plan and long term action plan. which includes good minerals are present so that water can be consumed. In the long term action plan includes usage of water saving aerator. and by promoting EcoSoft machines for mangling their water quality and also 'Hello' advice which produce safe water from non-drinkable water resources most of the known and acceptable suggestion is to drink water by boiling.

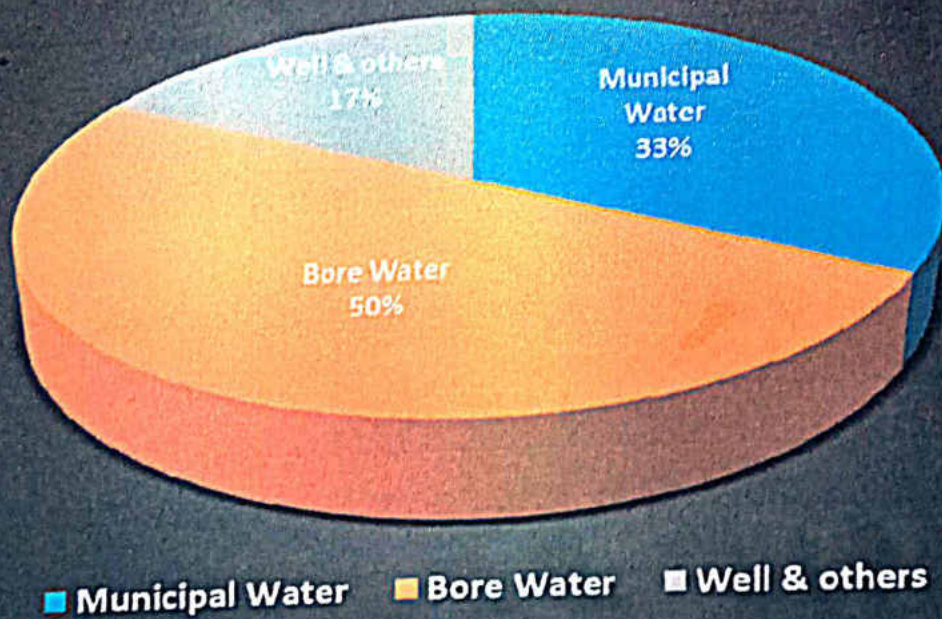
At least due to this project which had socio economic survey creates the connect link between the relations with the students and villagers. This project creates awareness on the purity of water and different modes of drinking water and also provides natural testing of pH and TDS which shows the relatively acceptable source to drink. It brings awareness about the different water sources in the village and its utility by villagers.



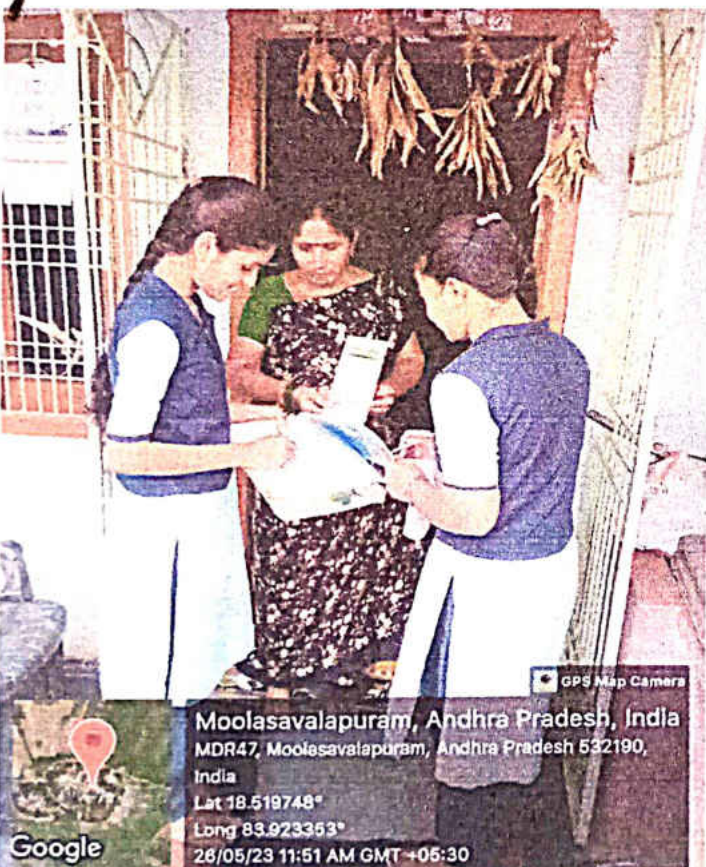
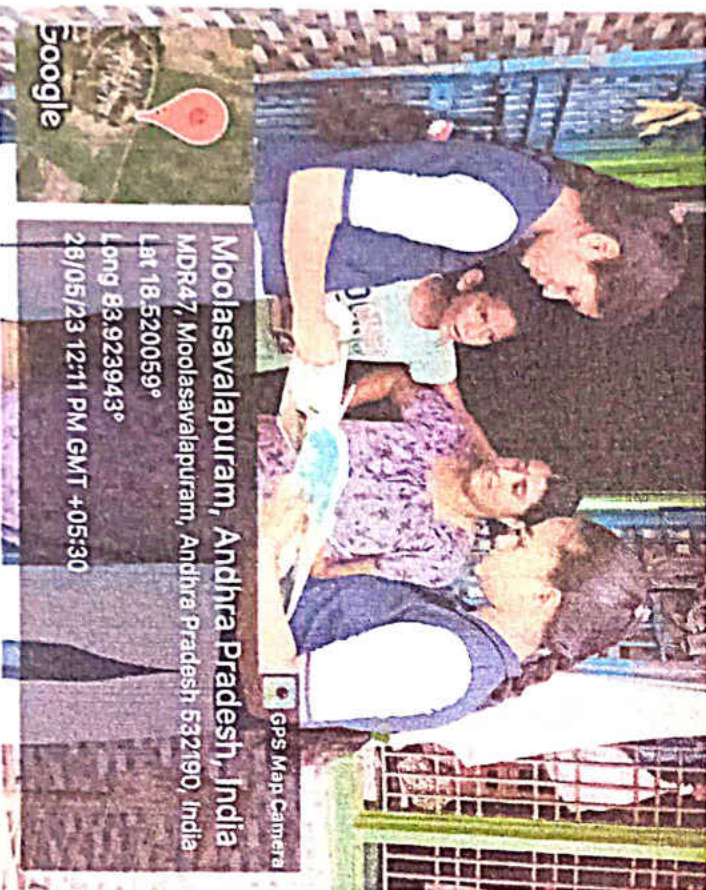
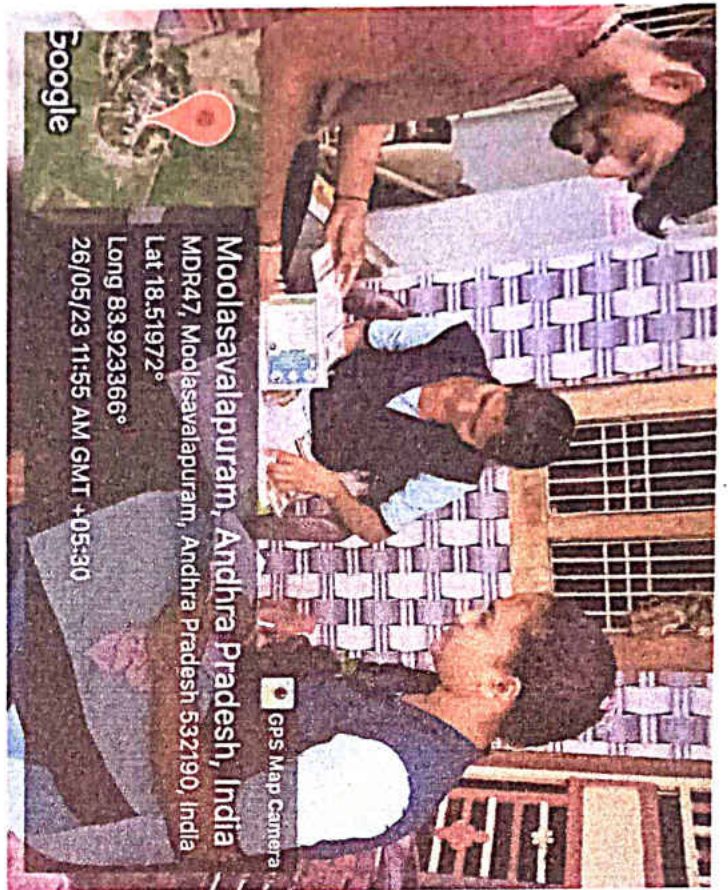
### MODES OF DRINKING WATER



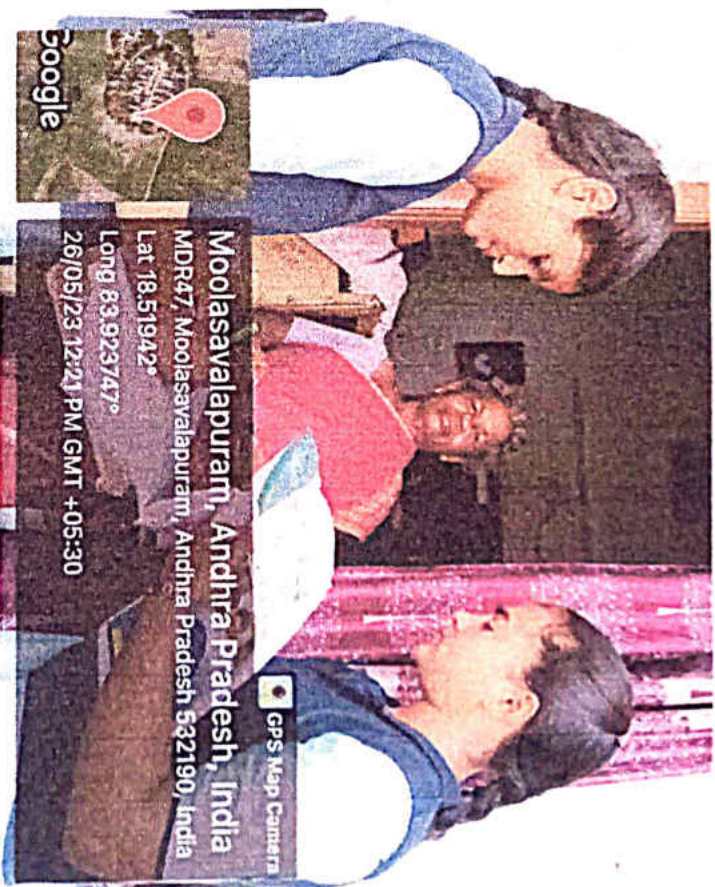
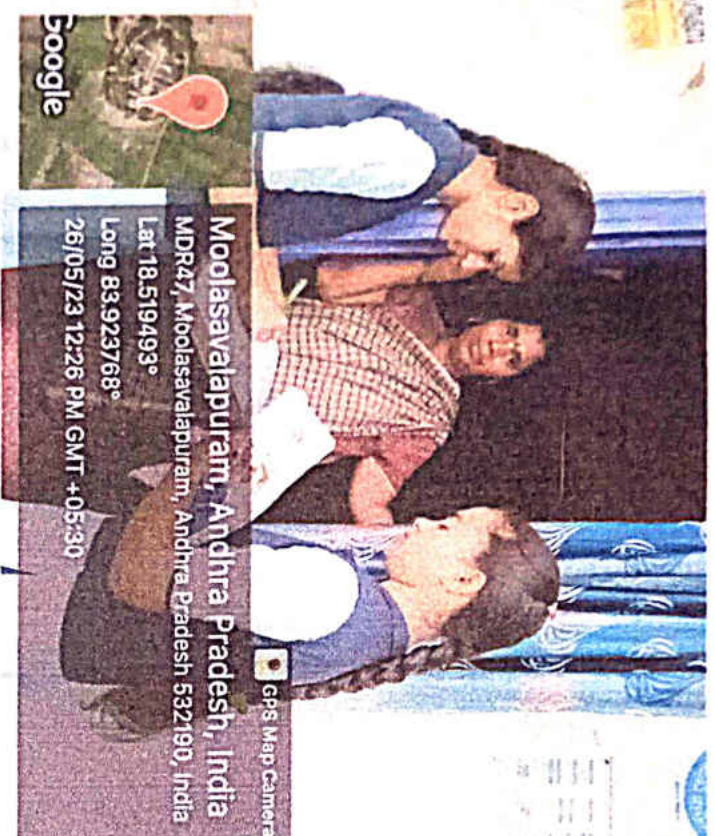
### Drinking Water Resources













## PHOTOS AND VIDEO LINKS



## Student Self-Evaluation for the Community Service Project

Student Name: Yenni Pavani Kumari

Registration No: 2222001123013

Period of CSP: From: 25-5-23 To: 28-6-23

Date of Evaluation:

Name of the Person in-charge:

Address with mobile number:

Please rate your performance in the following areas:

Rating Scale: 1 is lowest and 5 is highest rank

|                                       |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|
| 1) Oral communication                 | 1 | 2 | 3 | 4 | 5 |
| 2) Written communication              | 1 | 2 | 3 | 4 | 5 |
| 3) Proactiveness                      | 1 | 2 | 3 | 4 | 5 |
| 4) Interaction ability with community | 1 | 2 | 3 | 4 | 5 |
| 5) Positive Attitude                  | 1 | 2 | 3 | 4 | 5 |
| 6) Self-confidence                    | 1 | 2 | 3 | 4 | 5 |
| 7) Ability to learn                   | 1 | 2 | 3 | 4 | 5 |
| 8) Work Plan and organization         | 1 | 2 | 3 | 4 | 5 |
| 9) Professionalism                    | 1 | 2 | 3 | 4 | 5 |
| 10) Creativity                        | 1 | 2 | 3 | 4 | 5 |
| 11) Quality of work done              | 1 | 2 | 3 | 4 | 5 |
| 12) Time Management                   | 1 | 2 | 3 | 4 | 5 |
| 13) Understanding the Community       | 1 | 2 | 3 | 4 | 5 |
| 14) Achievement of Desired Outcomes   | 1 | 2 | 3 | 4 | 5 |
| 15) OVERALL PERFORMANCE               | 1 | 2 | 3 | 4 | 5 |

Date:

Signature of the Student



## Evaluation by the Person in-charge in the Community/Habitation

Student Name:

Registration No:

Period of CSP: From: To:

Date of Evaluation:

Name of the Person in-charge:

Address with mobile number:

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

|                                       |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|
| 1) Oral communication                 | 1 | 2 | 3 | 4 | 5 |
| 2) Written communication              | 1 | 2 | 3 | 4 | 5 |
| 3) Proactiveness                      | 1 | 2 | 3 | 4 | 5 |
| 4) Interaction ability with community | 1 | 2 | 3 | 4 | 5 |
| 5) Positive Attitude                  | 1 | 2 | 3 | 4 | 5 |
| 6) Self-confidence                    | 1 | 2 | 3 | 4 | 5 |
| 7) Ability to learn                   | 1 | 2 | 3 | 4 | 5 |
| 8) Work Plan and organization         | 1 | 2 | 3 | 4 | 5 |
| 9) Professionalism                    | 1 | 2 | 3 | 4 | 5 |
| 10) Creativity                        | 1 | 2 | 3 | 4 | 5 |
| 11) Quality of work done              | 1 | 2 | 3 | 4 | 5 |
| 12) Time Management                   | 1 | 2 | 3 | 4 | 5 |
| 13) Understanding the Community       | 1 | 2 | 3 | 4 | 5 |
| 14) Achievement of Desired Outcomes   | 1 | 2 | 3 | 4 | 5 |
| 15) OVERALL PERFORMANCE               | 1 | 2 | 3 | 4 | 5 |

Date:

Signature of the Supervisor