

Model Program Book  
**COMMUNITY  
SERVICE  
PROJECT**



Designed & Developed by



**ANDHRA PRADESH  
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

## Student's Declaration

I, M. Rajprasad, a student of Community Service Program,  
Reg. No. 720120805191 of the Department of Statistics - Mathematics  
Mrs. AVN College. College do hereby declare that I have completed  
the mandatory community service from August to September in  
\_\_\_\_\_ (Name of the Community/Habitation) under the Faculty  
Guideship of Ch. Mallika, (Name of the Faculty Guide), Department  
of Statistics & Mathematics in AVN College

M. Rajprasad  
(Signature and Date)

### Endorsements

Faculty Guide : Ch. Mallika

P. Gandhi  
**P. GANDHI, M.Sc, M.Phil**  
Head of the Department  
Department of Mathematics & Statistics  
Mrs. AVN College, Visakhapatnam

[Signature]  
Principal  
**PRINCIPAL**  
**Mrs. A.V.N. COLLEGE**  
**VISAKHAPATNAM**



## Acknowledgements

It is really matter of pleasure for me  
get an opportunity to thank all the persons  
who contributed directly or indirectly for  
the successful completion of the project report  
"water pollution" with special reference to Neel  
function, Visakhapatnam.  
I wish to express my gratitude  
to all the members of for giving  
proper responses project I am thank you to my  
thank you to my mentor ch. malik a lecturer  
in Maths Mrs. Avni college Visakhapatnam for her  
support and encouragement throughout the course of  
the project I would also like to refer.

## 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.

located in Visakhapatnam

Andhra Pradesh.

Water pollution is the contamination of water sources by substances which make the water unsafe for drinking, cooling, cleaning and other activities. Pollution includes chemicals, their way to water.

In my survey I have observed that many of the people are affected with water diseases like diarrhea, typhoid, etc. to control this situation we have to take some objectives. The water treatment and control of

Pollution in India.

### Objectives:

\* Identify the ways in which houses collect water and case. Water Pollution



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## 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.

located in Visakhapatnam. Andhra Pradesh. these houses are placed on mountain the people are to friendly with each other.

The houses are placed within no place no people these are street lights for each line. at the all people are using municipal water for drinking and other usage.

Some people are buying water can for drinking people. The roads are very clean and clear some places are filled with dust and usage of houses which is mixed drinking water.



## 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.

The activities undertaken in the community during the community service project

1. Survey on socio-economic
2. House hold survey
3. Report writing
4. Awareness created
5. Awareness program
6. Submit the project
7. Report the project

Value      Life Skills      AND      Technical Skills

1. Team work and problem solving skills
2. The ability to communicate effectively with others
3. The collaborative nature of project also develop the social and emotional learning program

## CHAPTER 5: OUTCOMES DESCRIPTION

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

1. Name of the person ?
2. Name of the village. (or) Town ?
3. Gender and age of the person ?
4. Type of family (Nuclear / Joint extended)
5. Type what is your post number
6. which sources of drinking water are available in your neighbourhood?
7. which sources of does your house hold use?
8. Is there frequent sufficient for your needs?
9. Any water born diseases in your house
10. Is any of your family member suffering from joint family
11. Name of the medicine frequently used in the family
12. quality and drinking water source



Describe the problems you have identified in the community

Contaminated water and poor sanitation are linked to transmission of diseases. Such as cholera, diarrhea, dysentery, hepatitis-A, typhoid, and absent in adequate individuals to preventable health risks. This is both patients and staff are placed at additional risk of infection and diseases when water drinking globally 15% of patients develop an infection. Hospital stay with the population much greater in low income countries. Inadequate management of urban sanitation and agricultural waste means that may be excreted in drinking water as a result of leaching from water supply components in contact with drilled or water.

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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.

Possible solutions for the problem identified

- ⇒ waste water treatment
- ⇒ plant waste reduction.
- ⇒ water conservation.
- ⇒ Install a water efficient toilet in your house
- ⇒ Specific tanks
- ⇒ Avoid using the toilet as a waste basket.
- ⇒ Storm water management
- ⇒ Green Agriculture.

Solutions:-

\* Before raw sewage can be safely returned back into the environment it needs to be treated correctly in a water treatment plant. In a water treatment plant sewage goes through a no amount of toxicity of the water.



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

## Awareness about water

Public water conservation concepts and awareness in all levels of society about the importance of saving water to cope the with security and ensure sustainability the aim is to change water use. Sufficient by awareness program.

S.No	Name of program	mode.	Date
1	Aware program on water conservation	Program in Paper, photo in program	29-5-2019
2	Community based water resource management	Keshidohar Chaudhary Photo in Program	26-6-2020
2	On occasion water day Jaladar mulge	Keshidohar Chaudhary (Vaidya) Photo in program	22-3-2021

## 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 8-10 pages.

### water pollution :-

Water pollution (or aquatic pollution) is the contamination of water bodies usually as a result of human activities so that it negatively affects its use. Water bodies include lakes, rivers, oceans, aquifers, reservoirs and ground water. Pollution results when contaminants are introduced into these water bodies. Water pollution can be attributed to one of four sources: sewage discharge, industrial activity, agriculture and weather runoff, including stormwater flush water. (pollution of main population.) or ground water pollution for pollution of main pollution water for drinking, bathing, washing in the irrigation water pollution.

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reduces the ability of the body of water to provide to ecosystem (such as drinking water) that is could be otherwise provide.

Sources of water pollution are either point sources [or] non point sources have one identifiable source such as waste water treatment such as agricultural runoff pollution of result countable. Subtle pollution is the over time pollution may take the toxic substance (eg. oil, metals, plastic, pesticides, persistent, inorganic pollution, industrial waste products) stressful condition (eg. change of pH, hypoxia or anoxia, increased temperature, increase turbidity, upsurge toxic order and change of salinity) or pathogenic organisms contribute may include organic and inorganic substances that can also be a pollutant and this is called threat to pollution the power plants and industrial manufacture. control of water pollution requires appropriate infrastructure and management plans. as well as legislation quality

## contaminants with an origin in Sewage

The following components can all reach water bodies via raw sewage or even treated sewage discharges

\* various chemical compounds can all reach the hygiene and cosmetic products

\* Disinfection by products found in personal hygiene and cosmetic products useful whilst there are the chemicals

\* They are volatile and these water

\* Hormonal and synthetic materials such as the phthalate that mimic hormones in their action

If the water pollution stems from sewage the main pollution are suspended solids, biodegradable organic matter, nutrients and the pathogenic organisms

## ORGANIC COMPOUNDS:

organic substances that enter water bodies are often toxic.

\* Petroleum hydrocarbons including fuels eg solvents diesel oil jet fuels and fat spills.

- In slow water runoff



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ORGANIC COMPOUNDS :

Organic substances that enter water bodies and affect them.

+ petroleum hydrocarbons, including fuels like solar diesel, fire, jet fuels and oil, and (motor oil) and fuel combustion by product from oil spills.  
n. Surface water quality

## MARINE POLLUTION :-

Marine pollution occurs when substances used or spend by human such as industrial and residential waste. Particular note excess carbon dioxide in various organisms eluted the ocean effects

## NUTRIENT POLLUTION :-

Nutrient pollution a form of water pollution refers to contamination by excessive inputs of - nutrient?

## THERMAL POLLUTION :-

Thermal pollution sometimes called thermal smothering is the degradation of water quality by any process that warms water. temperature theater pollution is the arise of fall in the human in the water.

## Biological pollution

The introduction of organisms in various organisms is a form of water pollution as well. cause by human influence biological pollution

## IMPACTS

### -ecosystems

water pollution is a major global environmental problem. It can result in the degradation



These are also referred to as water diseases

### Ocean Acidification:

Ocean acidification is another impact of water pollution. Ocean acidification is the ongoing decrease in the pH value of the planet's oceans caused by the uptake of carbon dioxide.

### Ground Water Pollution:

Ground water pollution occurs when water pollution is released to the ground and makes its way into ground water. This type of water pollution can also occur naturally due to the presence of a mineral and uncounted in construction work. It is likely to be a contamination rather than pollution.

These polluted waters can be tested in many ways. The following diagram represents the water pollution test.

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

### RECOMMENDATIONS :-

- \* Small water enterprises (SWE) : employ local staff to complement piped water supply.
- \* piped water supply : piped water supply initiatives and build local capacity.
- \* Digital tools : Purpose E-governance for village leveraging digital tools.

### CONCLUSIONS :-

only a few of which are discussed here. SWEs and SWSs demand some capacity to recover from the effects of certain pollution, but take long, painful effects of water pollution.

- \* There is need for research and development in potential water saving facilities and appropriate technology.





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