

Model Program Book
**COMMUNITY
SERVICE
PROJECT**



Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

**SURVEY ON WATER POLLUTION USED BY PEOPLE AT NTR
COLONY AND PORT AREAS**

BY

RONGALA DEVI

REGD.NO:: 7201308050 64



Estd : 1860

**PROJECT WORK SUBMITTED TO MRS. A.V.N COLLEGE,
AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM FOR
THE PARTIAL FULFILMENT OF DEGREE OF
BACHELOR OF SCIENCE**

2020 – 2023

DECLARATION

I, **YENNI.HARIKRISHNA** Student of BSc – M.P.C, Mrs. A.V.N College, affiliated to Andhra University here by declared that this project entitled “**Survey on Screening report of WATER POLLUTION at PORT area**” is a genuine work carried out by me under the guidance of **MSS.B.VEENITHA** lecturer in Chemistry, MRs A.V.N College, Visakhapatnam, Andhra Pradesh. Furthermore, this project work was not submitted to any other institution or University for awarding any Degree.

DATE:

PLACE: Visakhapatnam

student

R. Devi
Name & Signature of the

MRS. A.V.N COLLEGE



Estd : 1860

VISAKHAPATNAM – 530001


ANDHRA PRADESH

CERTIFICATE

This is to certify that project entitled as "Survey of screening report on Water pollution at Port area" is Bonfide work done by **RONGALA DEVI** (Regd.no:: 720130805064 BSc – M.P.C student under my guidance. I certify that the project work done by him/her is original and has not been submitted to any other information.

(M. SimhadriNadiu)

PRINCIPAL


(B.Veenitha)

MENTOR

PROGRAM BOOK FOR COMMUNITY SERVICE PROJECT

Name of the Student: RONGALA DEVI

Name of the College: MYS. A.V.N. COLLEGE

Registration Number: 720130805064

Period of CSP: From: To:

Name & Address of the Community / Habitation:

Andhra

University

YEAR

Community Service Project Report

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

Name of the College: MRS. A.V.N. COLLEGE

Department: B.SC MPC (Chemistry)

Name of the Faculty Guide: vanitha

Duration of the CSP: From ¹²⁻⁴⁻2021 To 12-4-2022

Name of the Student: ROJGALA DEVI

Programme of Study: WATER POLLUTION

Year of Study: 2020-2023

Register Number: 720130805064

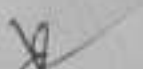
Date of Submission:


Student's Declaration

Lam. R. DEVI, a student of Water Program,
Reg. No. 720120305064 of the Department of Chemistry
M.P.S. A.V.N.C College do hereby declare that I have completed
the mandatory community service from _____ to _____ in
_____ (Name of the Community/Habitation) under the Faculty
Guideship of _____ (Name of the Faculty Guide), Department
of Chemistry in _____ College

R. DEVI
(Signature and Date)

Endorsements


Faculty Guide


Head of the Department

PRINCIPAL
Mrs. A.V.N. COLLEGE
VISHAKHAPATNAM

Acknowledgements

It is with a mixture of pleasure for me to get an opportunity to thank all the persons who contributed directly or indirectly for the successful completion of the project report. A study on WATER POLLUTION.

Also I am thankful to my faculty guide from Mrs. A.V. N college, Visakhapatnam, for being a source of support during this training period.

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 present study "water pollution" in N.T.R colony about to list out the Post city Visakhapatnam, which have several types of water pollutions. are these Industrial sites, waste water world are major contributors to water pollution and also another causes include to water pollution.

The whole colony was divided into 10 quadrates of 700x400 meters. The surrounding untreated waste water directly contributes chloramphenicol typhoid, fever and rotavirus.

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.

I.T.R colony is located in Visakhapatnam district in the state of Andhra Pradesh, India.

Water pollution is any chemical, physical change in the quality of water that has harmful effect of water pollution. Water pollution sources is sewage, municipal waste, mine drainage, modern washing powders and they chemical pollution ground water pollution.

Nutrient pollution which includes nitrate, phosphate is leading type of contamination in fresh 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.

In this area water pollution degrades the quality of the water in the water bodies. many disease can spread through waste water bodies. many disease can cause the disease of fever malaria

water with increase in the amount of organic waste in water bacteria use up the available oxygen.

surface water and ground water are both important sources for community water supply needs.

waste water directly contributes cholera typhoid fever. for water pollution causes some disease

CHAPTER 5: OUTCOMES DESCRIPTION

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

oxygen - depletion pollution:

Another consequence of asexual worms is their consumption of oxygen supplies. This means that those species which depend upon oxygen to survive are killed off while anaerobic ones thrive. Some anaerobic microorganisms are capable of producing ammonia, sulphides and other harmful toxins, which can make the water even more dangerous to animals and humans, too.

surface water pollution:

Referring to all water sources above ground such as rivers, lakes, seas and oceans, surface water pollution can occur, both naturally and intentionally.

Describe the problems you have identified in the community

- * P.T.R. colony is rich in water resources now a several benefits. values most of the people in the area don't know their values
- * Due to this they are refusing to protect them
- * The people in this study area looking several valuable resources contaminated due to this improper conservation.
- * Due to insufficient knowledge the people in the present area are refusing to conserve the ponds and losted our pure water sources
- * In the area of n.t.s colony people's doesn't know the value of water.

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.

since the water pollution in the studied area are high level and their quantity is being shortage there is a necessity to conserve these types of conserving the water sources.

- * Pick up litter and throw it away in garbage can
- * blow or sweep fertilizers back onto the grass. if it gets onto paved areas don't put fertilizer on the grass right before it rains the chemicals will wash into storm drains and water ways
- * wash cars, vehicles or outdoor equipment where it can flow to gravel or grassy area instead of a street
- * mulch or compact grass or yard waste

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

The whole colony was facing the problems of water pollution. These people affected of these pollution side effects like pain and vomiting, etc. --- Some of the people facing calcium deficiencies and iron deficiency problems. Childrens and adults are also facing health issues for water pollution of drinking water.

The solution of these problems are and only awareness about water importance and how to pollution avoid resources and how to save our water bodies.

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 is the contamination of water in water bodies such as rivers, oceans, lakes and swamps, this means that one or more substances have built up in water to extent of causing problem to people, animals, and plants.

So whether or not water is considered to be polluted will depend on what that water was go to be used for.

causes of water pollution:

there are numerous causes of water pollution. The main ones are listed below - types of sources

1. Point source:

in 99% directly to be to influence here pollutant travels directly from source to water

Point source are easy to regulate.

The main source of water pollution are as follows.

* Community waste water, include discharge from house, commercial and industrial establishments connects to public sewerage system.

2. Industrial waste :

The industries discharge several inorganic and organic pollutants which most have effects toxic to the living things.

3. Agricultural sources :

* fertilizers : contain major plant nutrients such as nitrogen, phosphorus and potassium.

* excess fertilizers : so many reach the ground water by leaching or may be mixed with surface water of rivers, lakes and ponds by runoff and drainage.

* Pesticides include : insecticides, fungicides, herbicides, rodenticides and soil fumigants. They contain a wide range of chemicals such as chlorinated hydrocarbons.

4. Underground water pollution:

* In India at many places, the ground water is polluted with contaminants, due to seepage from industries and municipal waste to and effluents. sewage channels and agricultural run off.

5. marine pollution:

* oceans are the ultimate sink of all natural and manmade pollutants.

* rivers discharge their pollutants into the sea. the sewage and garbage of coastal cities are also dumped into the sea.

6. garbage: plastics are non-biodegradable, mass plastic clog water bodies and contaminate water.

7. urbanization!

urbanization is a key factor in increasing the amounts of water pollution.

8. pumping solid waste: humans, after carelessness dump their trash in the seas near rivers.

9. oil spills:

Accidental oil spills have devastating effect on seas.

10. Dissolved solid waste:

Human polluting gases in the air can dissolve into salt and freshwater and pollute it.

control measures:

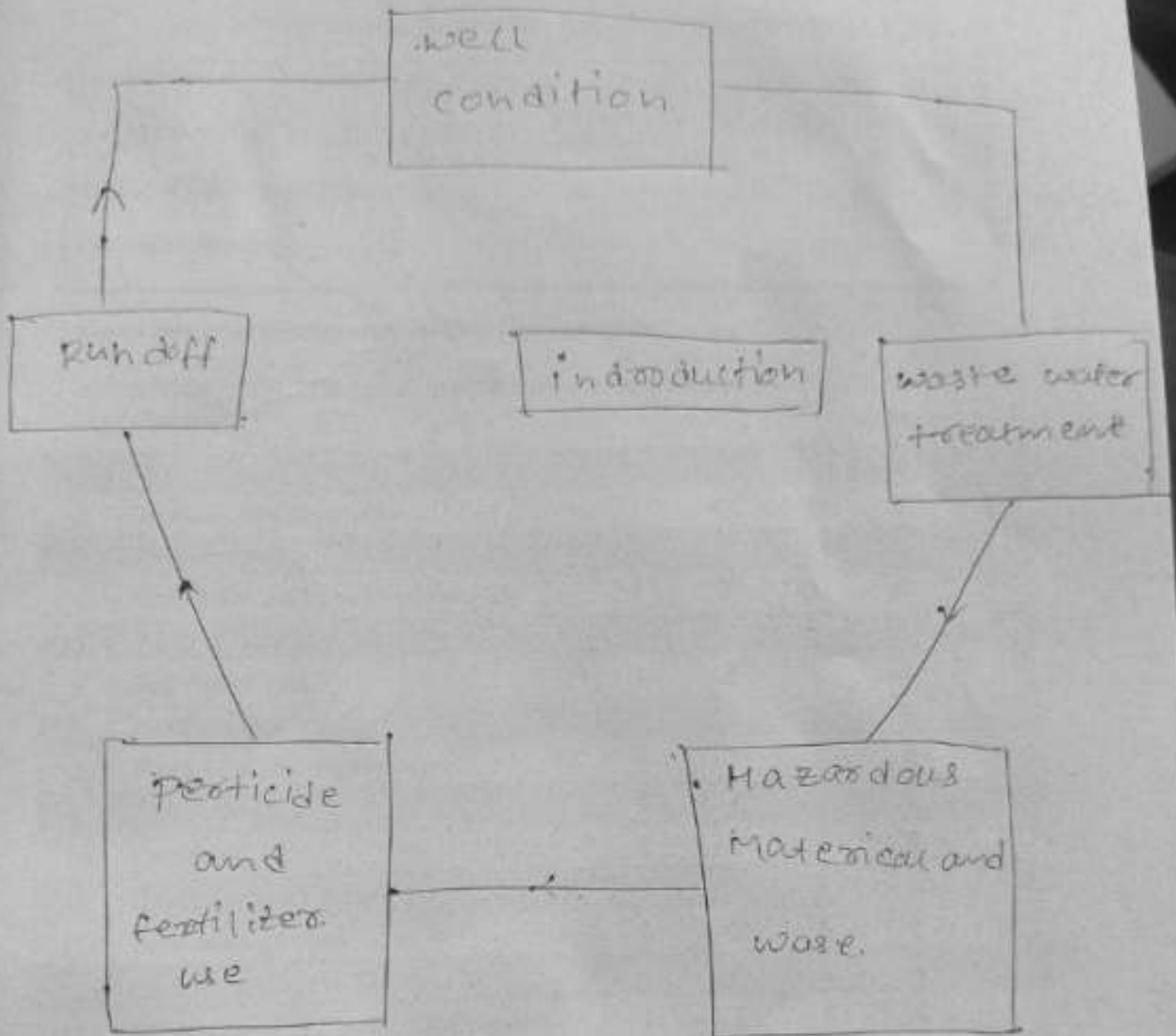
- * Riparian plantations
- + recycle
- + treatment of sewage water and the industrial effluents should be done before releasing it into water bodies
- * that water should be cooled before release from the power plants
- * Domestic cleaning in tanks, streams and rivers, which supply drinking water should be prohibited

Ground water pollution:

- * Any addition of undesirable substance to groundwater caused by human activities is considered to be contamination. It has often been assumed that contaminants left on or under the ground will stay there.

Source of ground water pollution:

- * most concern over ground water contamination has centered on pollution associated with human activities
- * Human ground water contamination has centered on the waste disposal system. Land disposal of solid municipal waste, water, waste water impoundments, land-spreading of sludge, brine, disposed from the petroleum industry
- * mine waste, deep-cell herbicides and animal waste are agricultural source of ground.



Student Self-Evaluation for the Community Service Project

Student Name: RONGALA DEVI

Registration No: 720130805064

Period of CSP: From: To:

Date of Evaluation:

Please rate your performance in the following areas:

Rating Scale: Letter grade of CGPA calculation to be provided

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:

R. Devi
Signature of the Student

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

Student Name: RONGALA DEVI
Registration No: 7201308050611
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

Page No:

PHOTOS & VIDEO LINKS



Ilam Vinayakudu
mple



Naval

Google

Visakhapatnam, Andhra Pradesh, भारत

104, Krishna Nagar, Maharani Peta,

Visakhapatnam, Andhra Pradesh 530002, भारत

Lat 17.702668°


Long 83.305438°

09/09/22 04:15 PM GMT +05:30



GPS Map Camera

Iam Vinavakudu
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Naval

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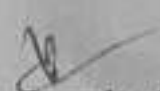
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104, Krishna Nagar, Maharani Peta,
Visakhapatnam, Andhra Pradesh 530002, India
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Long 83.305503°
09/09/22 04:18 PM GMT +05:30

INTERNAL ASSESSMENT STATEMENT

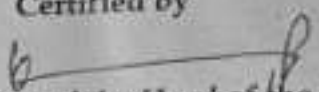
Name Of the Student: R. DEVI
Programme of Study: Water Pollution
Year of Study: 2020-2023
Group: BSC NIPCC
Register No/HT. No: 720130805064
Name of the College: Mrs. A.V.N. College
University: Andhra

SLNo	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	20	
2.	Community Service Project Implementation	30	
3.	Mini Project Work	25	
4.	Oral Presentation	25	
	GRAND TOTAL	100	

Date:


Signature of the Faculty Guide

Certified by


Signature of the Head of the Department/Principal

Date:

Seal:



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A Statutory Body of the Government of Andhra Pradesh)

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