

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 OF WATER POLLUTION BY PEOPLE AT
SIMHACHALAM AND ADAVIVARAM AREAS**

BY

TAMMINENI CHIRANJEEVI

REGD.NO:: 720130805076



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, TAMMINENI CHIRANJEEVI, Student of II B.Sc – C.B.Z, Mrs. A.V.N College, affiliated to Andhra University here by declared that this project entitled “**Survey on Water Pollution used by people at Simhachalam and Adavivaram area**” is a genuine work carried out by me under the guidance of **Mrs B.Vineetha**, Lecturer in Botany, 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

T. Chiranjeevi

Name & Signature of the student

MRS. A.V.N COLLEGE

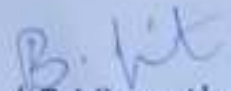


Estd : 1860
VISAKHAPATNAM – 530001
ANDHRA PRADESH

CERTIFICATE

This is to certify that project entitled as " Survey of screening report on Covid-19 vaccination at Kurpam market area" is bonafide work done by **TAMMINENI CHIRANJEEVI** (Regd.no:720130805076), B.Sc – 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. Simhadri Naidu)
PRINCIPAL
MRS. A.V.N. COLLEGE
VISAKHAPATNAM


(B. Vineetha)
MENTOR

PROGRAM BOOK FOR COMMUNITY SERVICE PROJECT

Name of the Student: TAMMS, NENS, CHIRANJEEVB

Name of the College: Mrs. A.V.N college

Registration Number: 720130805076

Period of CSP: From: 12-07-2022 To: 12-11-2022

Name & Address of the Community / Habitation :

Andhra

University

YEAR

Community Service Project Report

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

Name of the College: Mrs. A.V.N College

Department: Chemistry

Name of the Faculty Guide: B. Vineetha

Duration of the CSP: From 12-09-2022 To 12-11-2022

Name of the Student: TAMMINENDI. CHIRANJEEVI

Programme of Study: WATER POLLUTION

Year of Study: 2020-2023

Register Number: 720130805076

Date of Submission:

Student's Declaration


I, T. Chiranjeevi, a student of M.P.C Program,
Reg. No. 720130805076 of the Department of Chemistry
Mrs. A.V.N college College do hereby declare that I have completed
the mandatory community service from 12-07-2022 to 12-11-2022 in
_____ (Name of the Community/Habitation) under the Faculty
Guideship of B. Vineetha, (Name of the Faculty Guide), Department
of English in AVN College

T. Chiranjeevi
(Signature and Date)

Endorsements


Faculty Guide

R. KRISHNA KUMARI
HOD IN CHEMISTRY
DEPARTMENT OF CHEMISTRY
MRS. A.V.N.COLLEGE
VISAKHAPATNAM-530001


Head of the Department


Principal
PRINCIPAL
MRS. A.V.N. COLLEGE
VISAKHAPATNAM

Certificate from Official of the Community

This is to certify that T. Chiranjeevi (Name of the Community Service Volunteer) Reg. No 720130806076 of Mrs. A.V.N. College (Name of the College) underwent community service in _____ (Name of the Community) from 12-09-2022 to 12-11-2022. The overall performance of the Community Service Volunteer during his/her community service is found to be _____ (Satisfactory/Good).

Authorized Signatory with Date and Seal

Acknowledgements

It is really a matter 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.

TAMMINENI, CHIRANJEEVI
(720130805076)

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 "Sai Nagar, Marripalem" about to list out the port city visakhapatnam. which have several types of water pollutions, are there. Industrial sites, wastes World are major contributor to water pollution and also another causes include to water pollution.

The whole colony was divided into "70" Quadrates of 700×400 meters. The surroundings, untreated waste water directly contributes chloramphenical, typhoid, fever and rota virus.

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.

"Sai Nagar, Morripalem" is located in Visakhapatnam district in the state of Andhrapradesh, India.

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

Nutrient pollution which includes nitrates phosphates 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 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.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Visited the study area and divided into colony four divisions	Learned about Water pollution types.	Tichimijini
Day -2	Identify and tabulated the list of home members.	studied types of pollution wastages.	Tichimijini
Day -3	Identify and take late the number of members the line land 2.	We locate the shortage of water bodies.	Tichimijini
Day -4	Identify and tabulate the colony in line 3 & 4	We discovered rate of water bodies pollution	Tichimijini
Day -5	Identify and the numbers list of 5th line	studied water pollution of causes.	Tichimijini
Day -6	Studied the abundance of water pollution in whole are of itrecalony	learned identification of water pollution	Tichimijini

WEEKLY REPORT

WEEK - 1 (From Dt. ~~12-09-20~~ to Dt. ~~18-09-20~~)







Objective of the Activity Done:

Detailed Report:

The waste from house holds, factories or agricultural lands, gets discharged into rivers, our lakes. This waste can either be in the form of liquid waste, garbage or sewage. The harmful chemical coming out of this waste can damage aquatic life.

Not just the aquatic life, even when the humans and up drinking polluted water, they make them selves vulnerable to various life threatening illness like, hepatitis, cholera, typhoid and many other water borne disease.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	The data obtained in 1st week is tabulated and studied.	learned about water pollution in the community area.	
Day-2	Using the data and awareness camp has been conducted in the community.	learned about how to make a campaign.	
Day-3	by the campaign create awareness about the water pollution.	learned about causes of water pollution in area.	
Day-4	The campaign has been continued and created awareness on value of pollution.	learned about various threats facing by pollution the community area.	
Day-5	The campaign has been continued and created awareness about increasing water pollution in area.	learned about various threats facing by pollution in community area.	
Day-6	The campaign has been continued and created awareness about protective measures of plants in the area.	learned about protective measures be taken to rescue of water pollution.	

WEEKLY REPORT

WEEK - 2 (From Dt 21-09-2022 to Dt 28-09-2022)

Objective of the Activity Done:







Detailed Report:

The pollution happens when water flowing down streams get contaminated at different points. A river may get polluted by sewage and industrial effluents. Waste water goes in the oceans, rivers etc...

In the fact water especially fresh water is one of the most important elements in the world. However, with increasing levels of water pollution.

The oxygen level in polluted water is lower this causes the death of several organisms. Drinking water should be safe for consumption. Water is required in the body and depends on several factors, including maintaining health.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	The data obtained 1st and 2nd weeks is analysed.	learnt about how to prepare a data analysis.	
Day - 2	The analysed data is written on the paper in required manner.	learnt about methods of data presentation.	
Day - 3	The pictures has been collected which were taken during campaign.	learnt about methods of data presentation.	
Day - 4	pie charts and tabulated forms were prepared.	learnt about preparation of Tabular forms.	
Day - 5	Information obtained is updated in the data Report	learnt about information updated in the data request.	
Day - 6	The Reported data self verified once again.	learnt about how to prepare and report data analysed.	

WEEKLY REPORT

WEEK - 3 (From Dt. 7-10-2022 to Dt. 13-10-2022)

Objective of the Activity Done:







Detailed Report:

Water pollution is the cause of our undisciplined action and irresponsibility. We humans are only creating problems that can sequentially water is essential to our body.

If cause such sickness and diseases that will badly effect our health. let us not destroy it nor pollute it we need and we should help same are our mother nature.

The pollution happens when water flowing down streams get contaminated at different point. Water not only our thirst but also plays a critical role in keeping us healthy.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	The community project report programme book were downloaded and printout has been.	People in shivalal years using minerals to drink.	
Day -2	The data obtained and prepared literature were entered in the program book	Facilities should be created.	
Day -3	The pictures taken during project were printed and fixed in the program book,	Awareness should be created in Sai Nagar.	
Day -4	The pictures taken during project were printed and fixed in the program book.	People are in Sai Nagar, marri-palem are using Filter.	
Day -5	The programme book papers are arranged in order and verified once again.	Peoples are suffering with disease due to drinking	
Day -6	The programme book has given for binding Rate work.	People are affordable to drink municipal water.	

WEEKLY REPORT

WEEK - 4 (From Dt. 18-10-2022 to Dt. 25-10-2022)

Objective of the Activity Done:

Detailed Report:





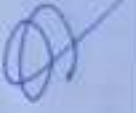

Ground water it is a source of a water that is under the land surface. it is accessible by wells, tube wells and hand pumps.

Surface water this type of source is found on the surface of the earth like ponds, rivers, etc...

Rain water it is the major source of water from rain chlorine and chloramine are the major used in public water systems.

Safe and readily available drinking water is key to public health community water systems and water safety plans are important ways to ensure the health of a community.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	few people are drinking mineral water in shivalyam.	Peoples in Sai Nagar pure fying mineral water.	
Day -2	Some people are reciving the munciple water	Drinking muncipal water in their area.	
Day -3	Many Peoples are oftoerdable to drink the ground water.	They are affordable to drink the ground water.	
Day -4	Some peoples are suffering with joint paires bus drinking water.	Drinking falluter water.	
Day -5	Many peopls are facing pors water. Facilites in Sai Nagar.	good facilities are should be created.	
Day -6	Many Peoples are getting the water from outside due to water pallutent.	Awareness should be created here Sai Nagar, Marri-Palam.	

WEEKLY REPORT

WEEK - 5 (From Dt. 26-10-2022 to Dt. 1/11/22...)

Objective of the Activity Done:

Detailed Report:

Water pollution is the cause of our undisciplined action and irresponsibility. We humans are only creating is essential to our body.

If cause such sickness and diseases that will badly effect our health. Let us not destroy it or pollute it we need and we should help some are our mother nature.

The pollution happens when water following down streams not contaminated at different point water not only our thirst but also plays a critical role in keeping us healthy.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Few people are drinking mineral water in sivalayam.	Peoples Sai Nagar's purifying mineral water.	<i>Ganesh</i>
Day - 2	Some peoples are receiving the municipal water.	Drinking water in their area.	<i>Ganesh</i>
Day - 3	Many peoples are affordable to drink the ground water.	They are affordable to drink the ground water.	<i>Ganesh</i>
Day - 4	Some peoples are suffering poor with joint pains was drinking water.	Drinking pollutes water.	<i>Ganesh</i>
Day - 5	Many peoples are facing poor water facilities in Sai Nagar.	Good facilities are should be created.	<i>Ganesh</i>
Day - 6	Many peoples are getting The water from due to water pollution.	Awbness should be created here Sai Nagar.	<i>Ganesh</i>

WEEKLY REPORT

WEEK - 6 (From Dt. 3/11/2022 to Dt. 09/11/2022)

Objective of the Activity Done:

Detailed Report:

Water Pollution is the cause of our undisciplined action and irresponsibility. We humans are only creating problems that can sequentially water is essential to our body.

If cause such sickness and diseases that will body effect our health let us not destroy it nor pollute it we need and we should help some are our mother nature

The pollution happens when water following down streams get contaminated at different point water not only our thirst but also plays a critical role in keeping us healthy.

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 algal blooms 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, accidentally, and intentionally.

Describe the problems you have identified in the community

- * Sai Nagar, Mairipalam is rich in water resources. However, most of the people in the area don't know their value.
- * Due to this they are refusing to protect them.
- * The people in this study area losing several valuable resources contaminated due to this improper conservation.
- * Due to insufficient knowledge the people in the area are refusing to conserve the plants and losted our pure water sources.
- * In the area of "Sai Nagar" 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 fertilizer back onto the grasses 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 our vehicles or outdoor equipment where it can flow to gravel or grassy area instead of a street.
- *. Mutch or compost grass or yard waste.

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

The Whale colony was facing the problem of water pollution. Those people effected of these pollution side effects. Like palia, and vomtings, typhoid, etc....., Some of the people facing calcium dificeency and iron deficiency problem, children's and adult's are also facing health issues for water pollution of drinking water.

The solution of these problem one and only awarness about water imporance. and how to pollution a fraid 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 substance have built up in water to extent of causing problems to people, animals and plants.

So wheather 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:-

- *. It is 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 discharges from houses, commercial and industrial establishments connects to public sewerage system.

2. Industrial waste:-

The industries discharge several inorganic and organic pollutants which may have light toxicity to the living beings.

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, nematocides, rodenticides and soil fumigants they contain a wide range of chemicals such as chlorinated hydrocarbons.

4. Underground Water pollution:-

In the India at many places, the ground water is threatened with contamination due to seepage from industrial and municipal waste to and effluents sewage channels and agricultural run off.

5. Marine Pollution:-

Oceans are the ultimate risk sink of all natural and manmade pollutants.

Rivers discharge their pollutants into the sea. The sewerage 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 carelessly dump their trash in the sewer near rivers.

9. oil spills:

Accidental oil spills have devastating effects on seas.

10. Dissolved Solid Waste:

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

Contra! measures:-

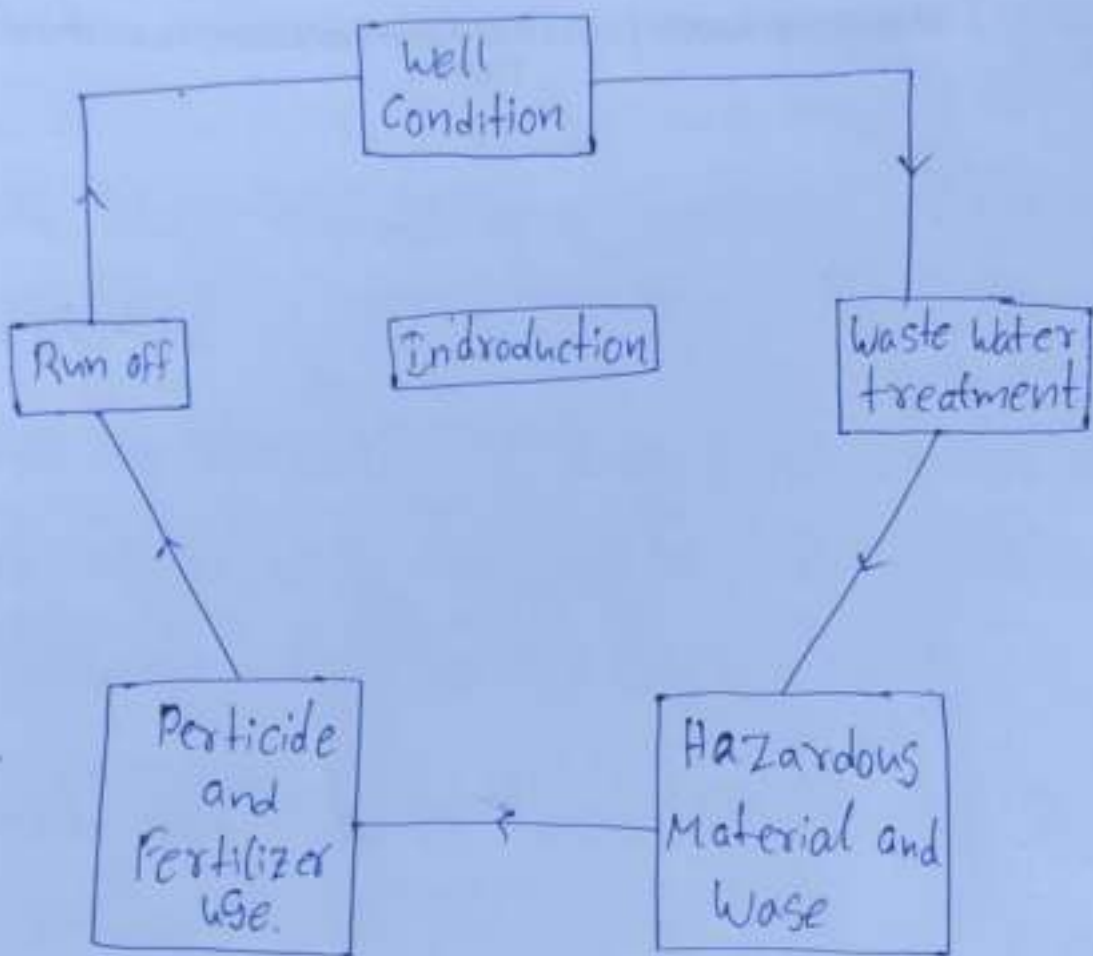
- *. Riparian purifiers
- *. Recycle
- *. Treatment of sewage water and the industrial effluents. should be done before releasing it water bodies.
- *. Hat water should be cooled before release from the power plants.
- *. Domestic cleaning in tanks, streams and rivers, which supply drinking water should be prohibited.

Ground water pollution:-

Any addition of undesirable substance to ground water caused by human activities is considered to be contamination it has after been assumed that contaminants left on or under the ground will stay here.

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 to 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: TAMMUNENDI CHIRANJEEVI

Registration No: 720130805076

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:

T. Chiranjeevi
Signature of the Student

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

Student Name: T. Chiranjeevi

Registration No: 720130805076

Period of CSP: From: To:

Date of Evaluation:

Name of the Person in-charge:

Address with mobile number: 7032645265, Sai Nagar, Marripalam.

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

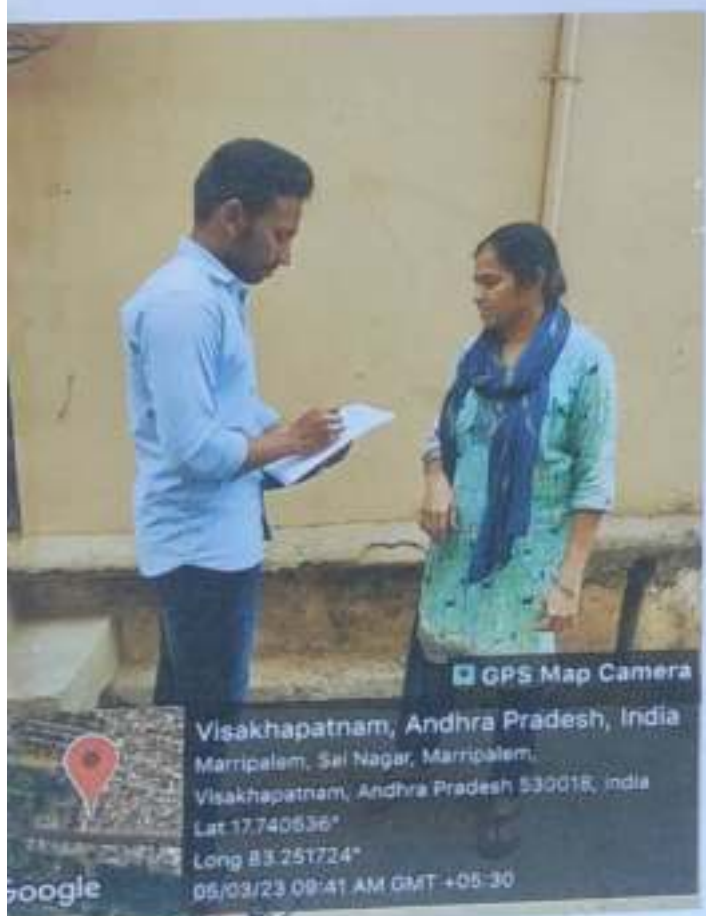
1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	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

PHOTOS & VIDEO LINKS







GPS Map Camera



Visakhapatnam, Andhra Pradesh, India
104, Krishna Nagar, Maharanji Peta,
Visakhapatnam, Andhra Pradesh 530002, India
Lat 13.702769°
Long 83.305503°
09/09/22 04:18 PM GMT +05:30



GPS Map Camera




Visakhapatnam, Andhra Pradesh, India
Doctor NTR Beach Road, Coastal Battery Rd, beside Naval,
Krishna Nagar, Maharanji Peta, Visakhapatnam, Andhra
Pradesh 530002, India
Lat 13.702229°
Long 83.305488°
09/09/22 04:21 PM GMT +05:30

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: T. Chiranjeevi
Programme of Study: Water Pollution
Year of Study: 2020-2023
Group: M.P.C
Register No/H.T. No: 720130805076
Name of the College: Mrs. A.V.N. College
University: Andhra University


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

P. KRISHNA KUMARI
HOD IN CHEMISTRY
DEPARTMENT OF CHEMISTRY
MRS. A.V.N.COLLEGE
VISAKHAPATNAM-530001

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)

2nd, 3rd, 4th and 5th floors, Neeladri Towers, Sri Ram Nagar, 6th Battalion Road
Atmakur (V) Mangalagiri (M), Guntur, Andhra Pradesh, Pin - 522 503
www.apsche.ap.gov.in