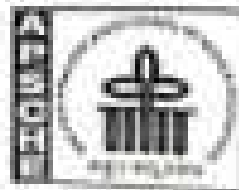


Model Program Book
**COMMUNITY
SERVICE
PROJECT**



Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

MRS. A.V.N. COLLEGE
VISAKHAPATNAM - 530001
ANDHRA PRADESH



Estd : 1860

CERTIFICATE

This is to certify that project entitled as "SURVEY ON WATER POLLUTION USED BY PEOPLE AT N.T.R. COLONY AND PORT AREAS" is a bonafide work done by SANGAMREDDI VAMSI SAI KIRAN (Regd. No. 720130805067) III B.Sc. – M.P.C. student under guidance. I certify that the project work done by him/her is original and has not been submitted in any other information.

(M. Simhadri Naidu)
Principal
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM

(Vineetha)
Mentor

**SURVEY ON WATER POLLUTION USED BY
PEOPLE AT N.T.R. COLONY AND PORT AREAS**

By

SANGAMREDDI VAMSI SAI KIRAN

Regd. No. 720130805067



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

2020-2021

DECLARATION

I, SANGAMREDDI VAMSI SAI KIRAN, Student of III B.Sc - MPC, Mrs. A.V.N College, affiliated to Andhra University here by declared that this project entitled "SURVEY ON WATER POLLUTION USED BY PEOPLE AT NTR COLONY AND PORT AREAS " is a genuine work carried out by me under the guidance of Mrs. P. Krishna Kumar, HOD, 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

Name & Signature of the student,

S. Vamsi Sai Kiran

Community Service Project Report

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

Name of the College: MRS AVN College

Department: Chemistry

Name of the Faculty Guide:

Duration of the CPS: From 12-9-22 To 12-11-22

Name of the Student: S. VAMSI SAIKURAM.

Programme of Study: Water Pollution

Year of Study: 2020-2023

Register Number: 720130805067

Date of Submission:

Student's Declaration


S. UATSI SAI LAKSHMI a student of MPC Program
Reg. No. 202003003 of the Department of chemistry
MARSHAL COLLEGE College do hereby declare that I have completed
the mandatory community service from 12-9-2022 to 12-11-2022 in
FORT COFA (Name of the Community/Habitat) under the Faculty
Guidance of _____ (Name of the Faculty Guide), Department
of English in AVN college

S. UATSI SAI LAKSHMI
(Signature and Date)

Endorsements


Faculty Guide


Head of the Department


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

P. KRISHANMURARI
HOD IN CHEMISTRY
DEPARTMENT OF CHEMISTRY
MRS. A.V.N. COLLEGE
VISAKHAPATNAM

Certificate from Official of the Community

This is to certify that S. Mounsi Ahir (Name of the Community Service Volunteer) Reg. No. 12030806 of MPS Ahir College (Name of the College) underwent community service in Paltan (Name of the Community) from 12-9-2020 to 11-1-2022. 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 contained directly & indirectly for the successful completion of the project report "A study on water pollution".

Also I am thankful to my faculty guide

from MRS AVN College Uthmaniyah
patnam for being a source
of support during this training
period.

Srinivasulu Reddy
Srinivasulu
(9706081505)

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 NTR colony about to list out poll city Uisikhapotram which have several types of water pollution are there. Industrial sites, water water would be major contribution to water pollution and also another sources include to water pollution.

The whole colony was divided into 70' quadrates of 700x400 meters. The sewardings unwanted waste water directly contributes to environmental hygiene and state issues.

CHAPTER 3: OVERVIEW OF THE COMMUNITY

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

NRE colony is located in Usabhatpatraon 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 different namely waste water drainage, modern washing plants and they chemical pollution ground water pollution.

nitrate pollution which enters as nitrate phosphate is leading type of contamination in fresh water.

CHAPTER 3: COMMUNITY SERVICE PART

Directions: Write an answer to the question during the Community Service Project. The answer should not be reflecting on what kind of values, life skills, and behaviors will be needed to succeed.

In this case, water pollution degrades the quality of the water in the water bodies. Many diseases can spread through waste water cause the disease of you, for example,

cholera, typhoid fever, hepatitis, and dysentery. With increase in the amount of garbage waste in water bodies use up the available water supply.

Surface water and ground water are both important sources of community water supply needs.

Waste water directly contributes to water pollution causes some diseases.

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 for draws.	Learned about water pollution types	[Signature]
Day - 2	Identify and tabulated the list of home members	Identified types of pollution wastages	[Signature]
Day - 3	Identify and tabulated the number of members the line 1 and 2	We locate the storage of water bodies	[Signature]
Day - 4	Identify and tabulated the colony in time 3 and 4	We observed state of water bodies pollution	[Signature]
Day - 5	Identify and the number list of 5 th line	Studied water pollution of causes.	[Signature]
Day - 6	Studied and the substance of water pollution in of MR colony	Learned about water pollution.	[Signature]

WEEKLY REPORT

WEEK - 1 (From Date 2-9-22 to Date 9-9-22)

Objective of the Activity Done

Detailed Report

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

Not just the aquatic life even when the house and up drinking polluted water they make themselves vulnerable to various life threatening illnesses like Hepatitis, cholera, typhoid and many other water born 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	[Signature]
Day - 2	studying the data and awareness campaign has been conducted in the community	learned about how to make a campaign	[Signature]
Day - 3	by the campaign created awareness about the water pollution	learned about causes of water pollution in area	[Signature]
Day - 4	the campaign has been continued and created a awareness of pollution	learned about various types of pollution	[Signature]
Day - 5	the campaign has been continued and created awareness about increasing water pollution	learned about various types of pollution in community	[Signature]
Day - 6	the campaign has been continued and created awareness about pollution measures	learned about various measures to reduce pollution	[Signature]

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

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

In the body water especially fresh water is one of the most important elements. In the world pollution with increasing levels of water pollution

the oxygen levels in polluted water is called the leadth of several organisms drinking water should be safe for consumption. Water is needed 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 in 1st and 2nd weeks is analysed	learn about how to prepare a data analysis	
Day - 2	the analysed data as written on the paper is scanned (mapped)	learn about method of data presentation	
Day - 3	the software has been selected which takes during computer	learn about method of data presentation	
Day - 4	pie - charts and tabulated forms were prepared.	learn about preparation of tabular forms.	
Day - 5	information obtained is updated in the data report	learn about information updated in the data	
Day - 6	the reported data is verified once again	learn about to prepare and report data analysis	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Water pollution is the cause of this underlying ailment and inoperability. We humans are only cleaner organisms that can scavenge with it essential to our body.

If cause such sickness and disease that will badly affect our health. It is not just a day is not polite it. We need and we should help some as our mother nature.

The pollution happens where water following our sickness get concentrated at different point water not only in this but also play 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 comm trib, people in the report, program book and point has prepared	people in the report, using words and tools	
Day - 2	the data obtained and prepared words are entered in the program book	the data obtained and prepared words are entered in the program book	
Day - 3	the picture taken during project was printed and filed in the program book	pictures should be created in NTR colony	
Day - 4	the pictures taken during project were printed and filed in the program book	people are in NTR colony are using filters.	
Day - 5	the program book prepared, arranged in both and used in one column	people are suffering from malaria	
Day - 6	the program book prepared, arranged in both and used in one column	people are to admit multiple	

WEEKLY REPORT

WEEK - 4 (From DA..... to DA.....)

Objective of the Activity Done:

Detailed Report:

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

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

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

Safe and readily available drinking water is key to public health. Community water systems and water supply plans are important ways to ensure the health of 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 Selargan	people in rural colony prefer mineral water	
Day - 2	some people are collecting the mineral water	collecting mineral water is their area	
Day - 3	many people are apprehensive to drink the ground water	they are culturally to drink ground water	
Day - 4	some people are suffering with joint by drinking water	drinking polluted water	
Day - 5	many people are joining sport activities in NR colony	sport facilities are should be created.	
Day - 6	many people are creating the water expenditure to water pollution	authorities should create a NR colony.	

WEEKLY REPORT

WEEK - 3 (From Dt..... to Dt.....)

Objective of the Activity Done

Detailed Report:

Water pollution is the cause of skin disorders, asthma and allergies, but however, one only breathing pattern that can frequently waste is essential to our body.

If cause skin diseases and disease that give body effect do better. Let us not destroy it nor pollute it. We need and we should help some as our mother nature.

The pollution happens when water flowing in streams get contaminated at different part water not only our life also plays a critical role in keeping us healthy.

CHAPTER 3: 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 supply - this means that the gases which depend upon oxygen to survive are killed off - while anaerobic organisms. 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 wells, tanks, open surface water pollution can occur both naturally and accidentally. In rivers,

Describe the problems you have identified in the community

- ④ NTR colony is rich in water resources but the Jantar Mantar Valley most of the people in the area don't know their values.
- ④ Due to them they are refusing to protect them.
- ④ The people in this study are losing several valuable resources contained due to this improper consultation.
- ④ Due to insufficient knowledge the people in the area are refusing to conserve the plants and lost all pure water sources.
- ④ In the area of NTR colony people's don'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 necessarily to conserve that type of conserving the water sources.

- ① pick up litter and throw it away in garbage can.
- ② How is Sewerage Jenkins, better the water if its gets onto paved areas don't put just litter on the glass right before it rains the chemicals will wash into storm drains and water ways.
- ③ wash car vehicles ④ other equipment where it can flow to gutter ⑤ gully cover instead of a street.
- ⑥ must waste ⑦ compost grass & leaves

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

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

The solution of their problem are not only awareness about water importance and how to pollution, careful 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 5-10 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 problems to people, animals and plants.

So the health of the water is largely depends to be polluted water depends on what that water means go to be used for.

Causes of water pollution

When our activities cause any water pollution, the water becomes unfit to use.

Types of causes

1. Point source

It is directly to be in definite location from where pollutants travel directly down stream to water.

- ⊕ point source are easy to regulate
- ⊕ the main source of water pollution are as follows:

- ⊕ community waste water, toilet discharges, farm water, commercial and residential establishments, sewage to public sewerage systems.

2. Inorganic water soluble
Nitrogen source inorganic and organic
fertilizers which may have high
value to the living beings

3. Organic sources

a. Fertilizer contain many plants
materially such as nitrogen phosphate
and potassium.

b. ~~These~~ fertilizers so many source
the water water by heating &
may be mixed with surface water
of some, lake and ponds by
runoff and drainage.

c. pesticides include insecticides,
fungicides, herbicides nematocides
& rodenticides and etc. Fungicides
they contain a wide range of
chemicals such as chalcid
hydro carbons

① Surface Water Pollution

② In India at many places, the ground water is threatened with contamination due to seepage from industrial and municipal waste to and effluent sewage channels and agricultural run off.

③ Marine Pollution

④ Oceans are the ultimate sink of all natural and man-made pollutants.

⑤ Rivers discharge their pollutants into the sea. The sewage and garbage of coastal areas are also dumped into the sea.

⑥ containers plastics are non-biodegradable, mass plastic clay water bottles and containers waste.

⑦ urbanisation Urbanisation is a factor in increasing the amount of water pollution.

⑧ dumping solid waste Humans and cars dump their trash in the river near sewer.

⑨ oil-spill Accidental oil spill have devastating effect on sea.

⑩ Disolved solid waste Human polluting gases in the air can dissolve into soil and fresh water and pollute it.

control measures

- ① riparian purifiers
- ② peylo
- ③ Treatment of sewage works and the industrial effluents should be done before releasing it water bodies.
- ④ Hot water should be cooled before release from the power plants.
- ⑤ Domestic cleaning in tanks, streams and rivers, which supply drinking water should be prohibited.

control water pollution

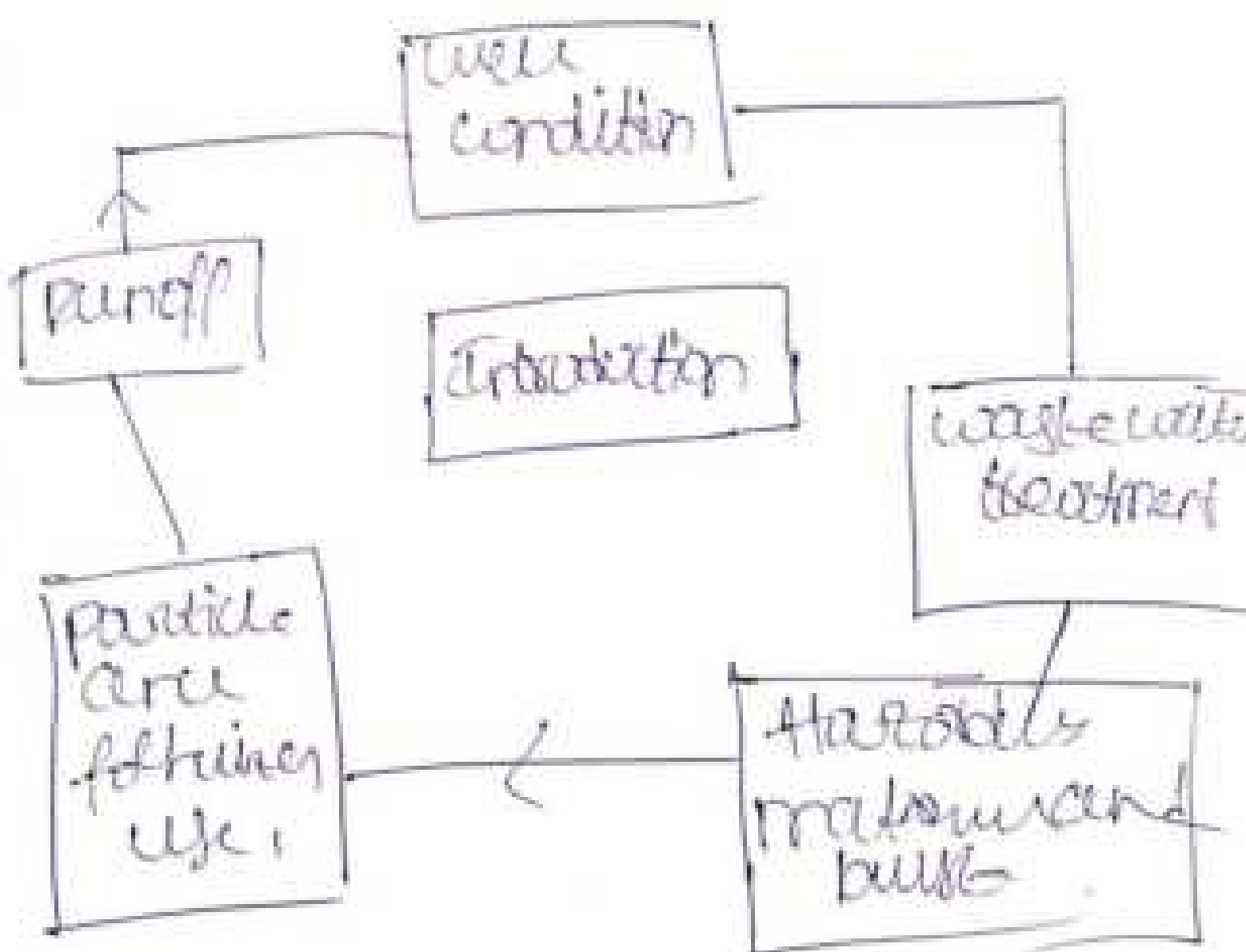
Early addition of undesirable substance to groundwater caused by human activities is known to be contamination. It has often

from research that indicates that
as a whole, the general population
has
source of general control policies

1) Public domain also general control
environment, has control on policies
associated with, however, ability

2) Domestic general control environment
often has control on a single
system. When control element of
within municipal control system,
control system. Supervisory level
governing of state health system
from the previous study.

3) Private control system, as indicated
and control system, as well
control system of state.



Student Self-Evaluation for the Community Service Project

Student Name:	SANJAY K P ADI VAMSIPRIYAN
Registration No:	920130808067
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	2	3	4	5
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: Sulamsi Satriawan

Registration No: 720130805067

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

PHOTOS & VIDEO LINKS





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INTERNAL ASSESSMENT STATEMENT

Name Of the Student:

Programme of Study:

Year of Study:

Group:

Register No/ILT. No:

Name of the College:

University:

Sl.No	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

Date:

Signature of the Head of the Department/Principal

Seal: