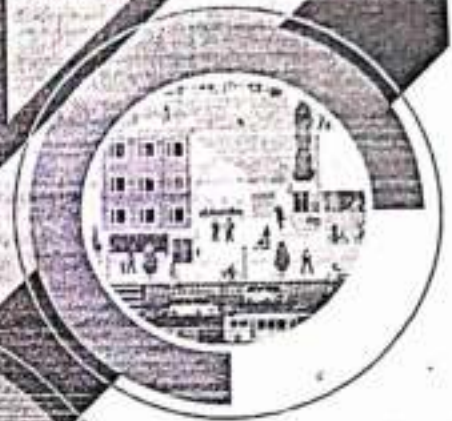
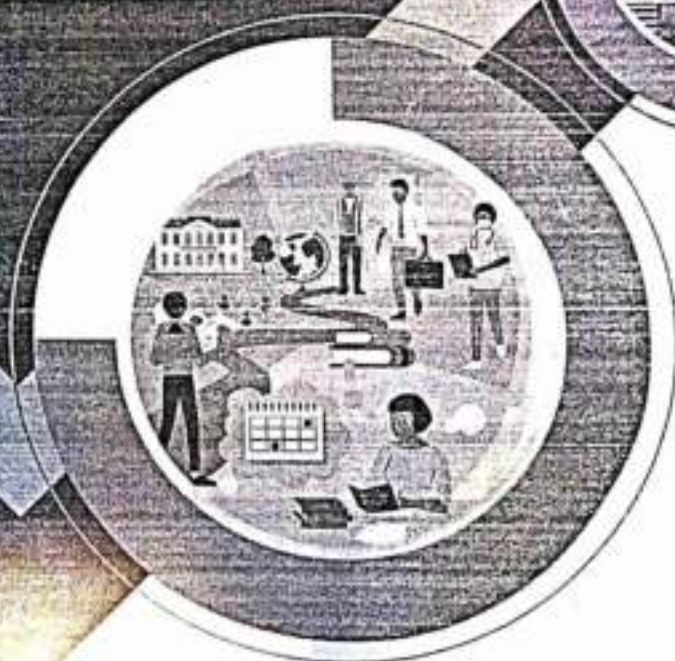


Model Program Book  
**COMMUNITY  
SERVICE  
PROJECT**



Prepared & Developed by



**ANDHRA PRADESH  
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

# PROGRAM BOOK FOR COMMUNITY SERVICE PROJECT

Name of the Student: N. CHENCHUNaidu

Name of the College: M&S - A. V. N. COLLEGE, VISAKHAPATNAM

Registration Number: 720130805053

Period of CSP: From \_\_\_\_\_ to \_\_\_\_\_

Name & Address of the Community / Institution:

University

YEAR

## **Instructions to Students for Community Service Project**

Please read the detailed Guidelines on Community Service Project hosted on the website of AP State Council of Higher Education <https://apsche.ap.gov.in>

**Link:**

<https://apsche.ap.gov.in/Pdf/Guidelines%20for%20the%20OJT%20Internship%20Community%20Service%20Project.pdf>

1. It is mandatory for all the students to complete 2 months (180 hours) of Community Service Project as a part of the 10-month mandatory internship/on the job training.
2. Consider yourself a committed volunteer in the community, you work with.
3. Every student should identify the village/community/habitation for Community Service Project (CSP) in consultation with the College Principal/the authorized person nominated by the Principal.
4. Report to the community/habitation as per the schedule given by the College. You must make your own arrangements for transportation to reach the community/habitation.
5. You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow volunteers. Post your daily activity done and/or any difficulty you encounter during the programme.
6. You should maintain punctuality in attending the CSP. Daily attendance is compulsory.
7. You are expected to learn about the community/habitation and their problems.
8. Know the leaders and the officials of the community/habitation.
9. While in the project, always wear your College Identity Card.
10. If your College has a prescribed dress as uniform, wear the uniform daily.
11. Identify at least five learning objectives in consultation with your Faculty Guide. These learning objectives can address:
  - Information about the community, including the realities and

problems of the society.

- Need for creating awareness on socially relevant aspects/programs.
  - Acquiring specific Life Skills.
  - Learning areas of application of knowledge and technologies related to your discipline.
  - Identifying developmental needs of the community/habitation.
12. Practice professional communication skills with team members, and with the leaders and officials of the community. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.
  13. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.
  14. At the end of Community Service Project, you shall be evaluated by the person in-charge of the community/habitation to whom you report to.
  15. There shall also be an evaluation at the end of the community service by the Faculty Guide and the Principal.
  16. Do not indulge in any political activities.
  17. Ensure that you do not cause any disturbance to the inhabitants or households during your interaction or collection of data.
  18. Be cordial but not too intimate with the people you come across during your service activities.
  19. You should understand that during this activity, you are the ambassador of your College, and your behavior during the community service programme is of utmost importance.
  20. If you are involved in any discipline related issues, you will be withdrawn from the programme immediately and disciplinary action shall be initiated.
  21. Do not forget to keep up your family pride and prestige of your College.
  22. Remember that you are rendering valuable service to the society and your role in the community development will become part of the history of the community.

## Community Service Project Report

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

Name of the College: ~~M.S.~~ A.V.N COLLEGE, VISAKHAPATNAM

Department: CHEMISTRY

Name of the Faculty Guide: K. KANAKA MAHALAKSHMI

Duration of the CSP: From 12.09.2022 To 8.11.2022

Name of the Student: N. CHENCHUNAJDU

Programme of Study: Water pollution

Year of Study: 2020 - 2023

Register Number: 720130805053

Date of Submission:

## Student's Declaration

L.N. CHENCHUNaidu, a student of MPC Program,  
Reg. No. 720130805053 of the Department of CHEMISTRY,  
Mrs. A.V.N. College do hereby declare that I have completed  
the mandatory community service from 12-09-22 to 12-11-2022 in  
PORT AREA (Name of the Community/Habitation) under the Faculty  
Guideship of K. Kanaka Mahalakshmi (Name of the Faculty Guide), Department  
of Mrs. A.V.N. in College

*N. Chenchunaidu*  
(Signature and Date)

### Endorsements

*Lakshmi*

Faculty Guide

*K. Krishna Kumari*  
KRISHNA KUMARI  
HOD IN CHEMISTRY  
Head of the Dept. of CHEMISTRY  
MRS. A.V.N. COLLEGE  
VISAKHAPATNAM-530001

*M. S. Srinivasulu Reddy*  
Principal PRINCIPAL  
Mrs. A.V.N. COLLEGE  
VISAKHAPATNAM

## Certificate from Official of the Community

This is to certify that AL CHICHIUNAI DU (Name of the Community Service Volunteer) Reg. No 120130805053 of Mks.-A.V.N College (Name of the College) underwent community service in PORT AREA (Name of the Community) from 12-09-22 to 12-11-23 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



## 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 Wastes Water would are Major contributors to Water pollution and also another causes include to Water pollution.

The Whole colony was divided into "70" quadrates of  $700 \times 400$  Metres. the surroundings. Untreated Waste Water directly contributes chloramphenicol, typhoid, fever and zeta 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.

N.T.R. Colony is located in Visakhapatnam district is 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 oxygen demand, waste mine drainage, modern washing powders and they chemical pollution ground water pollution

Nutrient pollution which includes nitrates phosphates is leading which is 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 diseases 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	<i>[Signature]</i>
Day -2	Identify and tabulated the list of home members.	studied types a pollution wastages	<i>[Signature]</i>
Day -3	Identify and tabulate the number of members the line 1 and 2	We locate the shortage of water bodies	<i>[Signature]</i>
Day -4	Identify and tabulate the colony in line 3 & 4	We observed rate of water bodies pollution	<i>[Signature]</i>
Day -5	Identify and the numbers list of 5 <sup>th</sup> line	Studied water pollution of causes	<i>[Signature]</i>
Day -6	studied the abundance of water pollution in whole area of NTR colony	Learned identification of water pollution	<i>[Signature]</i>

## WEEKLY REPORT

WEEK - 1 (From Dt. 12-09-21 to Dt. 18-09-21)

Objective of the Activity Done:

Detailed Report:

The Waste from house holds factories or agricultural lands gets discharged into rivers or 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 end up drinking polluted water, they make themselves 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	Abhinav
Day - 2	Using the data and awareness camp has been conducted in the community	Learned about how to make a campaign	Rakesh
Day - 3	by the campaign creative awareness about the water pollution	learned about causes of water pollution in area	Rakesh
Day - 4	The campaign creative awarene has been Awareness on value of pollution	learned about various threats Facing by pollution the community area	Aarav
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	Kishan
Day - 6	The Campaign has been continued and created Awareness about protective Measures of plants in the Water	learned about Protective Measures be taken to rescue of water pollution	Yash

## WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

The pollution happen when water flowing down streams get contaminated at different points. Rivers 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 level 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 1 <sup>st</sup> and 2 <sup>nd</sup> week is analysed	learned about how to prepare a data analysis	<i>A. Sankaranarayanan</i>
Day-2	The analysed data is written on the paper in required manner	learned about methods of data presentation	<i>Ramadas</i>
Day-3	The pictures has been collected which were taken during campaign	learned about methods of data presentation	<i>Anish</i>
Day-4	pie-charts and tabulated forms were prepared	learned about preparation of tabular forms.	<i>Ravi</i>
Day-5	Information obtained is updated in the data report	learned about information updated in the data request	<i>Suresh</i>
Day-6	The Reported data self verified once again	learned about how to prepare and report data analysed.	<i>Ravi</i>



## WEEKLY REPORT

WEEK - 3 (From Dt. 3-10-22 to Dt. 3-10-22)

Objective of the Activity Done:

Detailed Report:

Water pollution is the cause of our undisciplined action and irresponsibility. We humans are dependent on water. Water is essential to our body.

If we cause such sickness and diseases that will badly affect our health, let us not destroy it nor pollute it. We destroy it nor should help some one our mother nature.

The pollution happens when water flowing down streams get contaminated at different points. Water not only exists 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 print out has been	People in shivouled years using mineral to drink	<i>Spauth</i>
Day -2	The data obtained and prepared literature were entered in the program book	facilities should be sorceated	<i>Shamp</i>
Day -3	The pictures taken during project were printed and fixed in the program book.	Awareness should be created in N.T.R. calony	<i>Thechis</i>
Day -4	The pictures taken during project were printed and fixed in the program book	people are in N.T.R calony are using filter	<i>Shach</i>
Day -5	The programme book. papers are arranged in order and verified are again	peoples are suffering with disease due to drinking	<i>Spauth</i>
Day -6	The programme book has given for binding Rak work.	People are affordable to drink Mancipal water	<i>Shamp</i>

## WEEKLY REPORT

WEEK - 4 (From Dt 18-10-21 to Dt 25-10-21)

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 surface 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 N.T.R colony purifying mineral water	S. A. Arund
Day -2	Some people are drinking the municipal water	drinking municipal water area	S. N. Muthy
Day -3	Many people are of to be able to drink the ground water	They are affeasible to drink the ground water	S. Prasad
Day -4	Some people are suffering with joint pains by drinking water	Drinking pollute water	S. S. Prasad
Day -5	Many people are facing poor water facilities in N.T.R colony	good facilities are should be created	M. Prasad
Day -6	Many people are getting the water from outside due to water pollutant	Awareness should be created here N.T.R colony	R. Prasad

## 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 the 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 human too...

### Surface Water pollution:

Referring to all water surface 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

- \* N.T.R. colony is rich in water resources have 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 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 lost our pure water sources.
- \* In this area of N.T.R. 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 these quantity 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 fertilizers 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 whole colony was facing the problem of water pollution. These people effected of these pollution side effects like pain and vomiting, typhoid, etc... some of the people facing calcium deficiency and iron deficiency problem, children's and adults are also facing health issues for water pollution of drinking water.

The solution of these problem one and only awareness about water importance and how to pollution avoid resources, and how to serve 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

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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

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### 1. Point Source :

- \* It is directly to the 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 industrial discharge several inorganic and organic pollutants which may have highly toxic 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 India at many places, the ground water is threatened with contamination due to seepage from industrial and municipal waste and effluents, sewage channels and agricultural runoff.

#### 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 pollutants.

### 8. Pumping Solid Waste:

Humans, after carelessly dump their trash in the canals 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:

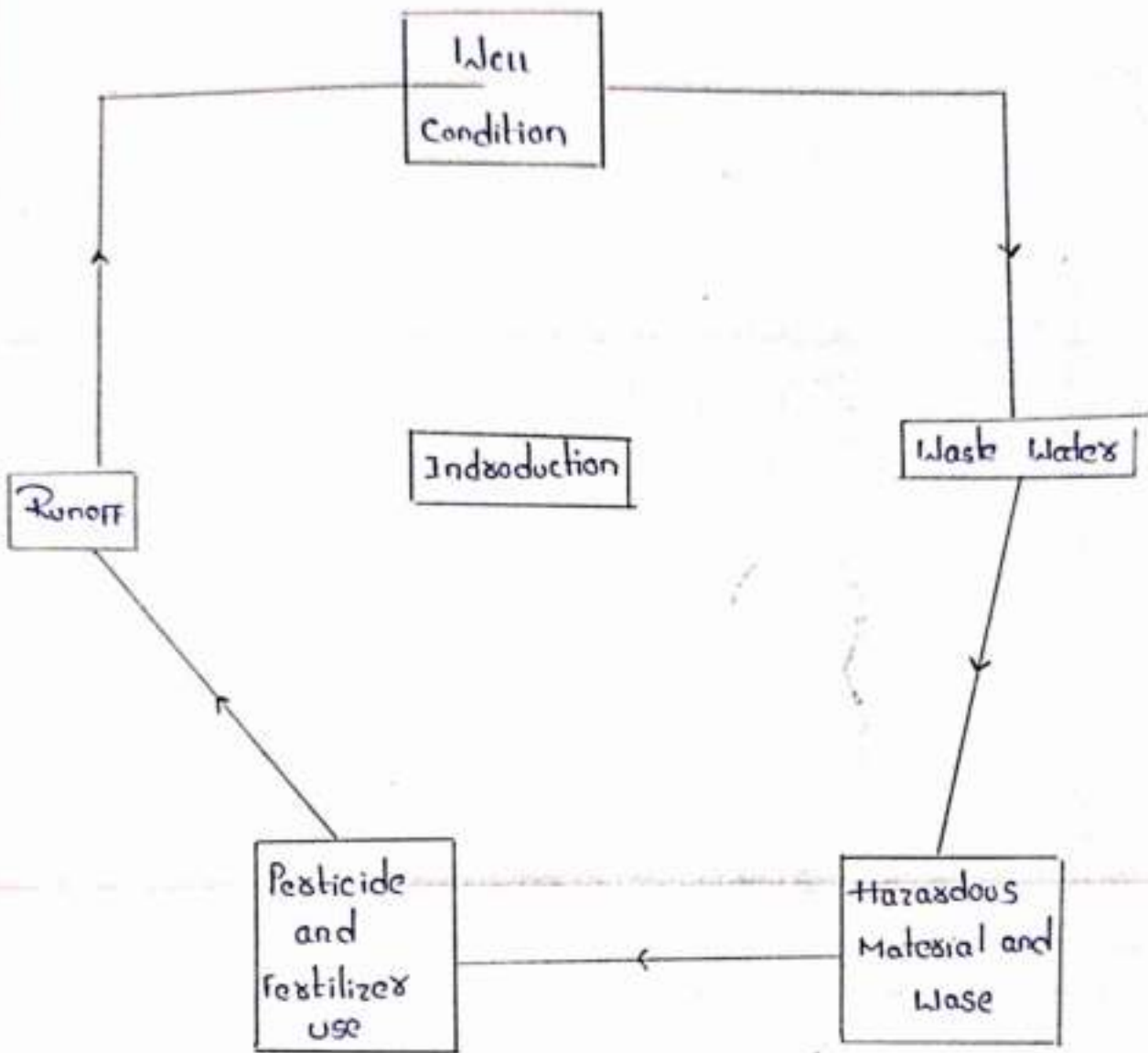
- \* Riparian purification
- \* Recycle
- \* Treatment of sewage water and the industrial effluents should be done before releasing it into water bodies.
- \* Hot water should be cooled before released from the power plants.
- \* Domestic cleaning in tanks, streams and rivers, which supply drinking water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

## Ground Water pollution:

- \* Any addition of undesirable substance to groundwater caused by human activities is considered to be contamination if has after been assumed that contaminates 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 spreading of sludge, brine disposed from the petroleum industry.
- \* 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: N. CHENCHUNAIJU

Registration No: 720130805053

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:

*N. Chenchunaidu*  
Signature of the Student

Page No:

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

Student Name: N. CHENCHUNNIDU

Registration No: 720130805053

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

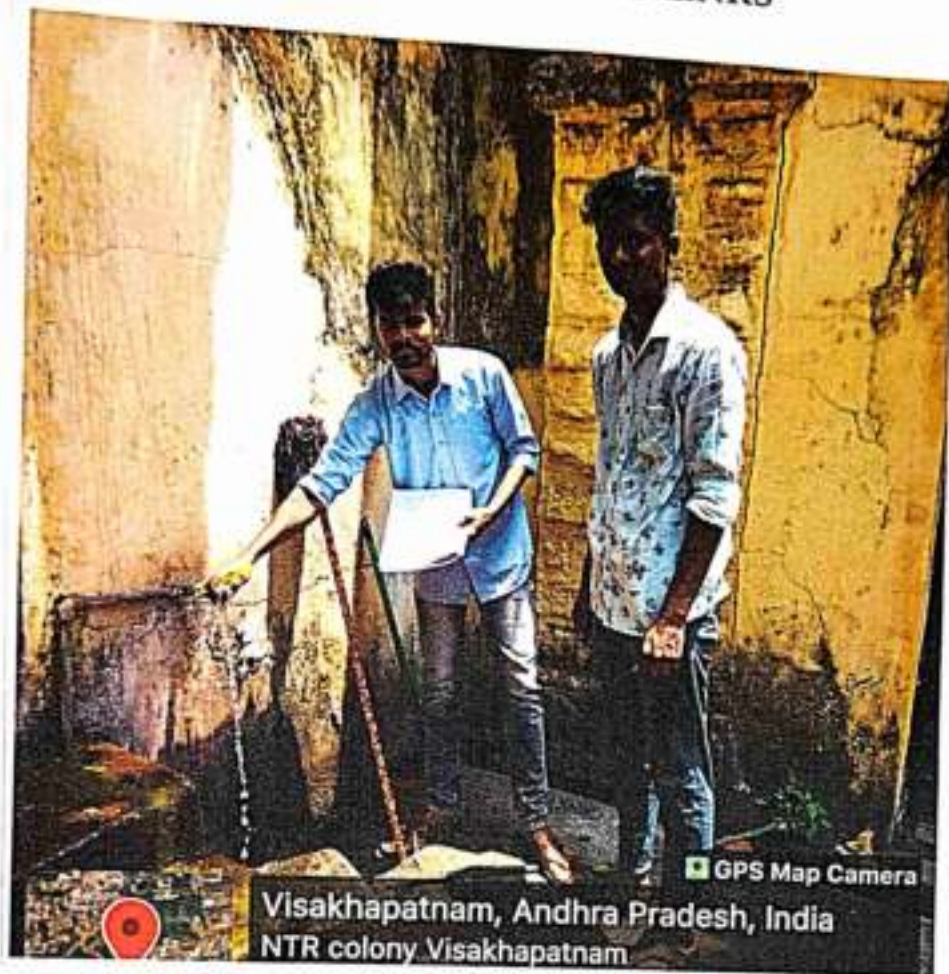
1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity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





## Internal Evaluation for the Community Service Project

### Objectives:

- To facilitate an understanding of the issues that confront the vulnerable / marginalized sections of society.
- To initiate team processes with the student groups for societal change.
- To provide students an opportunity to familiarize themselves with the urban / rural community they live in.
- To enable students to engage in the development of the community.
- To plan activities based on the focused groups.
- To know the ways of transforming society through systematic programme implementation.

### Assessment Model:

- There shall only be internal evaluation.
- The Faculty Guide assigned is in-charge of the learning activities of the students and for the comprehensive and continuous assessment of the students.
- The assessment is to be conducted for 100 marks.
- The number of credits assigned is 4. Later the marks shall be converted into grades and grade points to include finally in the SGPA and CGPA.
- The weightings shall be:

○ Activity Log	20 marks
○ Community Service Project Implementation	30 marks
○ Mini Project Work	25 marks
○ Oral Presentation	25 marks
- Activity Log is the record of the day-to-day activities. The Activity Log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration the individual student's involvement in the assigned work.
- While evaluating the student's Activity Log, the following shall be considered -
  - a. The individual student's effort and commitment.
  - b. The originality and quality of the work produced by the individual student.
  - c. The student's integration and co-operation with the work assigned.
  - d. The completeness of the Activity Log.
- The assessment for the Community Service Project implementation shall include the following components and based on Weekly Reports and

## INTERNAL ASSESSMENT STATEMENT

Name Of the Student: N. CHENAIHUNAIIDU  
Programme of Study:  
Year of Study: 2021 - 2023  
Group: B.Sc [MPC]  
Register No/H.T. No: 720130805053  
Name of the College: Mrs. A.V.N. COLLEGE  
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

Date:  
Seal:

Certified by  
  
Signature of the Head of the Department/Principal

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



## **ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION**

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