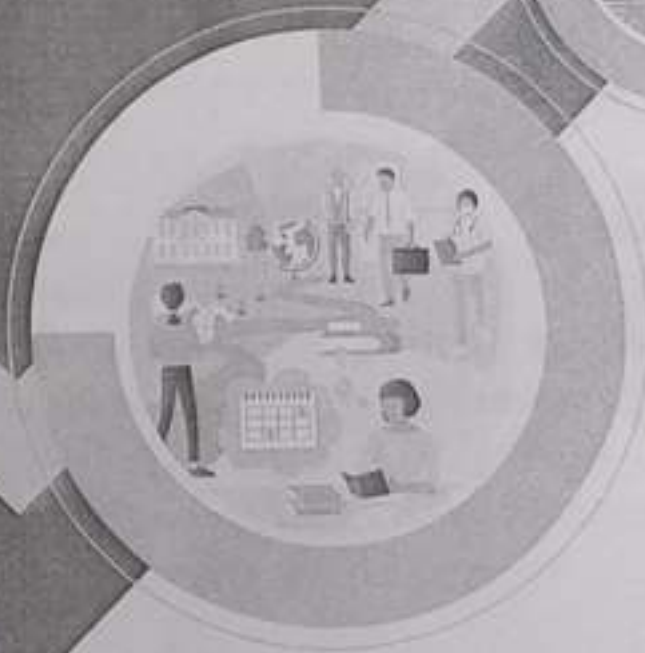


S SRINIVAS
(720130205069)

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



Estd : 1860
VISAKHAPATNAM – 530001

ANDHRA PRADESH

CERTIFICATE

This is to certify that project entitled as “Survey of Water Pollution at NTR Colony And Port area” is bonafide work done by **SEEDARI SRINIVAS** (Regd.no:720130805069), 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


(Vineetha)

MENTOR

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

BY

SEEDARI SRINIVAS

REGD.NO:: 720130805069



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, SEEDARI SRINIVAS , Student of III B.Sc – M.P.C , Mrs. A.V.N College, affiliated to Andhra University here by declared that this project entitled "**Survey on Water Pollution used by people at N.T.R. Colony and Port area**" is a genuine work carried out by me under the guidance of **Mrs.P.KRISHNA KUMARI** H.O.D., 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

S. Sridal

Name & Signature of the student

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.....BSC.....

Name of the College: MYS. ANJ. COLLEGE

Department: CHEMISTRY.

Name of the Faculty Guide: B. VINEETHA.

Duration of the CSP: From.....12/9/2022..... To.....12/11/2022.....

Name of the Student: SEEDARI, SRINIVAS

Programme of Study: WATER POLLUTION.

Year of Study: 2020-2023.

Register Number: 720130805069.

Date of Submission:

Student's Declaration


I, S. SRINIVAS, a student of M.P.C Program.
Reg. No. 720130805069 of the Department of CHEMISTRY
Mrs. AVN. COLLEGE College do hereby declare that I have completed
the mandatory community service from 12/09/22 to 12/11/2022 in
PORT BREA (Name of the Community/Habitation) under the Faculty
Guideship of B. VINEETHA, (Name of the Faculty Guide), Department
of ENGLISH in AVN College


S. Srinivas

(Signature and Date)

Endorsements


Faculty Guide


Head of the Department


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

Page No:

Certificate from Official of the Community

This is to certify that S. SRINIVAS (Name of the Community
Service Volunteer) Reg. No 720130805069 of MYG ANN. COLLEGE (Name of
the College) underwent community service in
PORT AREA (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 person 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.

SEEDARI, SRINIVAS
(720130805069)

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 port city Visakhapatnam which have several types of water pollutions. are there. industrial sites, wastes water, road are major contributor to water pollution and also another causes include to water pollution.

The whole colony was divided into 70' quarters of 700x400 meters. The surroundings untreated waste water directly contributes chloramphenicol, typhoid, fever and viral 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.

NTR 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 source is oxygen demand, mine drainage, modern washing powders and they chemical pollution ground water pollution.

Nutrient pollution which includes nitrates phosphonates 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 diseases of fever, malaria.

water which 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	The community project report programme book were downloaded and printout has been.	People in shiveal years using minerals to drinking.	
Day -2	The data obtained and prepared literatur were entered in the programm book	Facilities should be entered.	
Day -3	The pictures taken during project were printed and fixed in the program book	Awariness should be created in N.T.R.colony	
Day -4	The pictures taken during project were printed and fixed in book	People are in N.T.R colony are using filters	
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 role work	people are affordable to drink municipal water	

WEEKLY REPORT

WEEK - 1 (From Dt. 12/09/2022 to Dt. 18/09/2022)

Objective of the Activity Done:

Detailed Report:

The waste from house holdes factories or agriculture lands gets discharged into rivers our lakes, This waste can either be in the form of liquid waste, garbage or sewage

The harmful chemical azing 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.

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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 create awareness on various pollution.	Learned about various threats facing by in the community area.	
Day -5	The campaign has been continued and create awareness about increasing water pollution.	Learned about various threats facing by pollution in community area.	
Day -6	The campaign has been continued and create awareness about protective measures of plants in the area.	Learned about protective measures to reduce 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 gets contaminated at different points. A river may get polluted by sewage and industrial effluents. Waste water goes to the oceans, rivers, etc...

In fact, water, especially fresh water, is one of the world's. However,

with increasing levels of water pollution,

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

Page No:

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 2 nd week 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 report.	
Day - 6	The Reported data self verified once again.	Learnt about how to prepare and report data analysed.	

WEEKLY REPORT

WEEK - 3 (From Dt. 07/10/2022 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 severely water is essential to our body.

It 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 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	visited the study area and divided into colony four divisions.	learned about water pollution types.	
Day -2	Identify and tabulated the list of home members.	Studied types of pollution. wastages.	
Day -3	Identify and tabulated the number of members the line 1 & 2	we located the shortage of water bodies	
Day -4	Identify and tabulated the colony in line 3 & 4.	we observed note of water bodies pollution	
Day -5	Identify and the numbered list of 5th line	studied water pollution of causes.	
Day -6	studied the abuse of water pollution in whole are of ntr colony	learned identification of water pollution	

WEEKLY REPORT

WEEK - 4 (From Dt. 12/10/22 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 shivalayam.	Peoples in N.T.R colony purifying mineral water	
Day -2	Some people are receiving the municipal water	Drinking municipal water in their area.	
Day -3	many peoples are able to drink the ground water	They are able to drink the ground water.	
Day -4	Some peoples are suffering with joint pain as drinking water	drinking filter water.	
Day -5	many peoples are facing poor water facilities in N.T.R colony	good facilities are should be created.	
Day -6	many peoples are getting the water from outside due to water pollution	Awareness should be created here N.T.R colony	

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 there are some anaerobic microorganisms are capable of producing, ammonia sulphides and other harmful toxins, which can make the water even more dangerous to animal and humans, too...

SURFACE WATER POLLUTION:

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

Describe the problems you have identified in the community

- * N.T.R colony is rich in water resource 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 loosing several valuable resource 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 source.
- * In the 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 there is a necessity to conserve these types of conserving the water sources.

* pick up litter and through it away in garbage can.

* blow or sweep fertilizer back into the grass if it gets onto paved areas don't put fertilizer on the grass right before it rains.

The chemical 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.

* mulch or compost grass or yard wastes

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 polio and vomiting, typhoid, etc. some of the people facing calcium deficiency and iron deficiency problems. 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 afraid resource 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 problems 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.

Page No:

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 polluted travels directly from source to water.

Point source are easy to regulate.

The main source of water pollution are as follows:

* community waste, 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 lightly toxic to the living beings.

3. AGRICULTURE 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, rodenticides and soil fumigants, herbicides, nematocides, acaricides 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 seepage treated with contamination, due to seepage from industrial and municipal waste to and effluent 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 sewerage and garbage of constant, coastal cities are also dumped into the sea.

after been assumed that contaminants left on or under the ground will stay here.

SOURCES OF GROUND WATER POLLUTION.

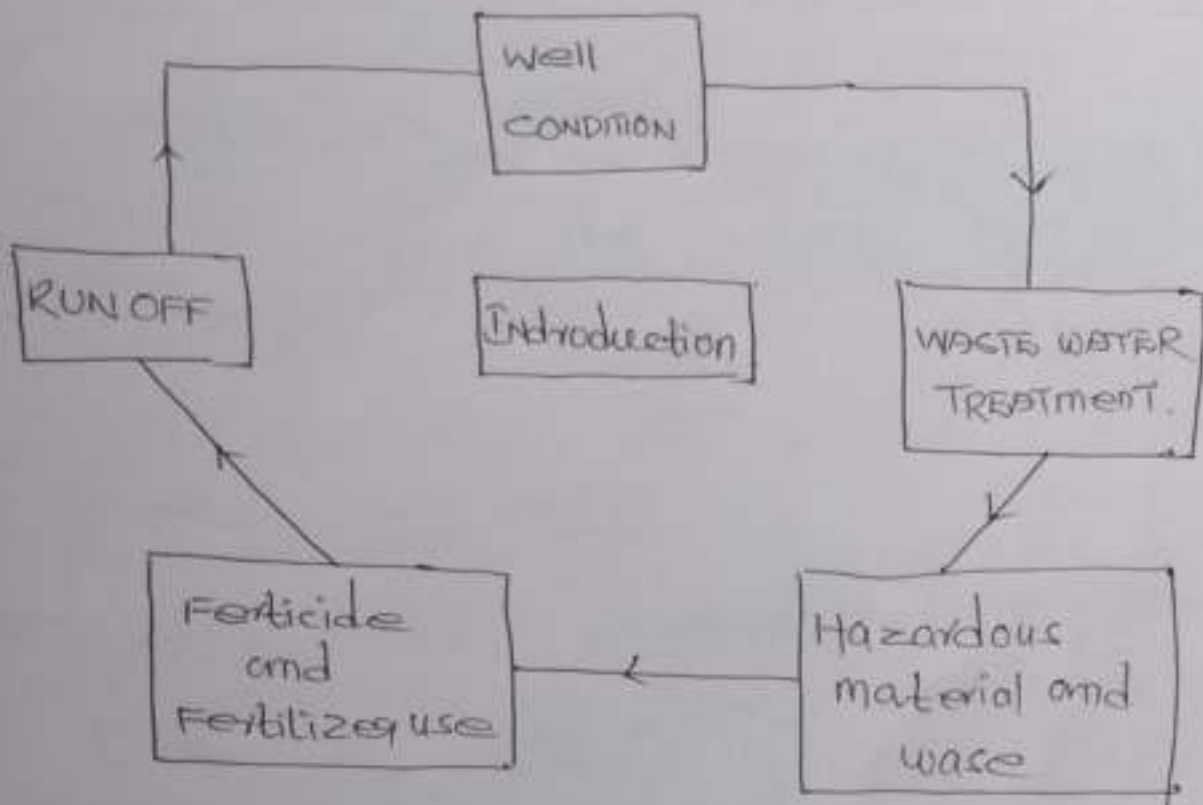
- * most concern over ground water contamination has centered on pollution associated with human activities.
- * Human ground water contamination has centered on to waste disposal system, land disposal of solid.
- * municipal waste water, waste water impoundments land spreading of sludge brine disposed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

CONTROL MEASURES:

- * Riparian purification.
- * Recycle
- * Treatment of sewage water and the industrial effluents should be done before releasing at water bodies.
- * That ^{hot} 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 range of chemical such as chlorinated hydrocarbons.



6. GARBAGE: plastics are non-biodegradable, mass plastic dump water bodies and contaminated 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 sea or near rivers.

9. OIL SPILLS: accidental oil spills have devastating effect on seas.

10. DISEASED SOLID WASTE: Human polluting gases in the air can dissolve into salt and fresh water and pollute it.

Student Self-Evaluation for the Community Service Project

Student Name: S. SRINIVAS
Registration No: 720130805069
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

S. Srinivas

Signature of the Student

Date:

Page No:

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

Student Name: S. SRINIVAS
Registration No: 720130@5069
Period of CSP: From: To:
Date of Evaluation:
Name of the Person in-charge:
Address with mobile number: 9347732935, NTR colony, post area

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:

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

Outcomes Description

- a. Details of the Socio-Economic Survey of the village/habitation.
- b. Problems identified.
- c. Community Awareness Programs organized.
- e. Suggested Short-Term and Long-Term Action Plan.

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: S. SRINIVAS

Programme of Study:

Year of Study: 2020-2023

Group:


Register No/H.T. No: 720130805069

Name of the College: MYS. AVN. 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

Certified by

Date:

Signature of the Head of the Department/Principal

Seal:

Page No:



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

Attur (V) Mangalagiri (M), Guntur, Andhra Pradesh, Pin - 522 503

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