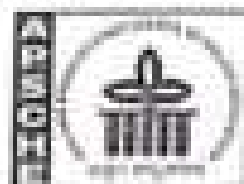


Model Program Book
**COMMUNITY
SERVICE
PROJECT**



Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

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

BY

SINGURU DURGA PRASAD

REGD.NO:: 720130805070



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, SINGURU DURGA PRASAD, Student of II BSc – M.P.C, Mrs. A.V.N College, affillated to Andhra University here by declared that this project entitled “Survey on Screening report of WATER POLLUTION at PORT area” is a genuine work carried out by me under the guidance of MSS.B.VEENITHA lecturer in English, 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. Durga prasad

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 Water pollution at Port area" is Bonfide work done by **SINGURU DURGA PRASAD**(Regd.no:720130805070), BSc – M.P.C student under my guidance. I certify that the project work done by him/her is original and has not been submitted to any other information.

(M. SimhadriNadlu)

PRINCIPAL
MRS. A.V.N. COLLEGE
VISAKHAPATNAM

(B.Veenitha)

MENTOR

PROGRAM BOOK FOR COMMUNITY SERVICE PROJECT



NAME OF THE STUDENT: Singam - Durga Prasad

NAME OF THE COLLEGE: Mrs. A.V.N college

REGISTRATION NO.: 720130805070

DATE OF THE PROJECT: 12-09-2022 TO 12-11-2022

SIGNATURE OF THE STUDENT: _____

Andhra

University

Community Service Project Report

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

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

Department: chemistry.

Name of the Faculty Guide: B. Vinetha.

Duration of the CSP: From 12-9-2022 to 12-11-2022.

Name of the Student: singuru. durga Prasad.

Programme of Study: water pollution.

Year of Study: 2020 - 2023.

Register Number: 720130805070.

Date of Submission:

Student's Declaration

I, S. Divya prasad, a student of M.P.C Program,
Reg. No. 22130805070 of the Department of chemistry,
Mrs. A.V.N. college College do hereby declare that I have completed
the mandatory community service from 12-09-2022 to 12-11-2022 in
port area (Name of the Community/Habitation) under the Faculty
Guideship of B. Vinetha (Name of the Faculty Guide), Department
of English in AVN College

S. Divya prasad
(Signature and Date)

Endorsements



Faculty Guide



Head of the Department



Principal

PRINCIPAL
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM

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

Certificate from Official of the Community

This is to certify that S. Durga Prasad (Name of the Community Service Volunteer) Reg. No 710130805070 of the A.V.N. College (Name of the College) underwent community service in post area (Name of the Community) from 12-09-2021 to 12-11-2021. The overall performance of the Community Service Volunteer during his/her community service is found to be Satisfactory/Good.

S. PhaniRaj (W.O.)

Authorized Signatory with Date and Seal



Jaloripeta -06

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.M. college, Visakhapatnam, for being a source of support during this training period.


Singuri Ojha Pasod
(720130805070)

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 CSF and five or more learning objectives and outcomes.

The present study "water pollution in NTA colony" about to list out the past city misanthropation, which have several types of water pollutions, are these. Industrial sites, waste water, wood and rope contributes to water pollution and also another causes include to water pollution.

The whole colony was divided into "70" quadrates of 700x400 meters. The surroundings untreated waste water directly contributes chlorochemical. typhoid, fever and viral virus.

CHAPTER 2: OVERVIEW OF THE COMMUNITY

About the Community/Village/Settlement including historical profile of the community/settlement, community diversity, traditions, ethics and values.
Brief note on Socio-Economic conditions of the Community/Settlement.

M.T.R. colony is located in Viceroypetraam 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 oxygen demand, waste mire 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 by 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	PD
Day-2	Identify and tabulated the list of home members	studied types of pollution wastages	PD
Day-3	Identify and tabulate the number of members the line 1 and 2	we locate the shortage of water bodies	PD
Day-4	Identify and tabulate the colony in line 3 & 4	we observed rate of water bodies pollution	PD
Day-5	Identify and the numbers list of 5th line	studied water pollution of causes	PD
Day-6	studied the abundance of water pollution in whole area of nrc colony	learned identification of water pollution	PD

WEEKLY REPORT

WEEK - 1 (From Date: 12-11-2023 to Date: 18-11-2023)





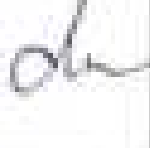

Objective of the Activity Done:

Detailed Report:

The waste from house holds, factories & 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 illnesses 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 1 st 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	learned about various threats being by pollution in the community area.	
Day-5	The campaign has been continued and created awareness about increasing water pollution in Area.	learned about various threats being 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 to be taken to reduce of water pollution.	

WEEKLY REPORT
WEEK - 2 (From D121:02-23 to D123:01-24)

Objective of the Activity Done:

Detailed Report:

The pollution happen when water flowing down streams get contaminated at different points. A river may get polluted by sewage and industrial effluents. wastewater 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 various 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.	Learn about how to prepare a data Analysis	S. Ganga
Day-2	The analysed data is written on the paper in required manner	Learn about methods of data presentation	of
Day-3	The pictures has been collected which were taken during campaign	Learn about methods of data presentation	of
Day-4	pie charts and tabulated forms were prepared.	Learn about preparation of tabular forms	S. Ganga
Day-5	Information obtained is updated in the data Report.	Learn about information updated in the data report	S. Ganga
Day-6	The Reported data self verified once again.	Learn about how to prepare and report data analysed.	of

WEEKLY REPORT

WEEK - 3 (From Date: 27/01/22 to Date: 03/02/22)

Objective of the Activity Done:

Detailed Report:

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

It causes such sickness and diseases that will badly affect our health. Let us not destroy it or pollute it. We need it and we should help save it as our mother nature.

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

ACTIVITY LOG FOR THE FOURTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	The community project report programme has been downloaded and printed has been.	people in special needs using minutes to draw	rf
Day-2	The data obtained and prepared libraries were entered in the program book.	facilities should be created.	rf
Day-3	The pictures taken during project were printed and fixed in the program book.	Assessments should be created in H.T.P. colour.	rf
Day-4	The pictures taken during project were printed and fixed in the program book.	people are in H.T.P. colour are using filter.	rf
Day-5	The programme book papers are arranged in order and verified one again.	people are suffering with diseases due to disability.	rf
Day-6	The programme book has given for binding hole work.	People are affordable to their municipal water	rf

WEEKLY REPORT

WEEK - 4 (From 19.10-20.10 to 25.10-22)

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.	people in N.T.B colony purchasing mineral water.	N. Society
Day-2	some people are receiving the municipal water.	drinking municipal water in their area.	N. Society
Day-3	many people are affordable to drink the ground water.	They are affordable to drink the ground water.	N. Society
Day-4	some people are suffering with joint pains by drinking water.	drinking filtered water.	N. Society
Day-5	Many people are facing poor water facilities in N.T.B colony.	good facilities are should be created.	N. Society
Day-6	many people are getting the water from outside due to water pollutant.	Awareness should be created here in N.T.B colony.	N. Society

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. Page No.:

Describe the problems you have identified in the community

- * N.T.P. colony is rich in water resources but 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 treated as pure water sources.
- * In the area of N.T.P. 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 storage there is a necessity to convert these types of concerning the water sources.
- * pick up litter and throw it away in garbage can.
 - * blow or sweep fertilizer back onto the grass if it gets onto paved areas. don't put fertilizer on the grass right before it rains. The chemicals will wash into storm drains and water ways.
 - * wash car, vehicles or outdoor equipment where it can flow to gravel or grassy area instead of a street.
 - * mulch or compost grass or yard waste.

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

The whole colony was facing the problem of water pollution. Those people affected by these pollution side effects, like polio, and beriberi, typhoid, 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 these problem are not only awareness about water importance, and how to pollution avoid activities, 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 whether or not water is considered to be polluted will depend on what that water was go to be used for.

causes of water pollution;

There are numerous causes of water pollution. The main ones are listed below:

Types of sources:

1. Point source

- it is directly to be 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 pollution which may have slightly toxic to the living beings.

3. Agricultural wastes

- * 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 to and effluents, sewage channels and agricultural run off.

5. marine pollution;

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

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

6. Garbage plastics are non-biodegradable, mass plastic clog water bodies and contaminate water.
7. urbanization → urbanization is a key factor in increasing the amounts of water pollution.
8. pumping solid waste Humans, after carelessly dump their trash in the sewers 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.

central measures:-

- * Riparian positions.
- * Recycle.
- * Treatment of sewage water and the industrial effluents should be done before releasing it water bodies.
- * 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.

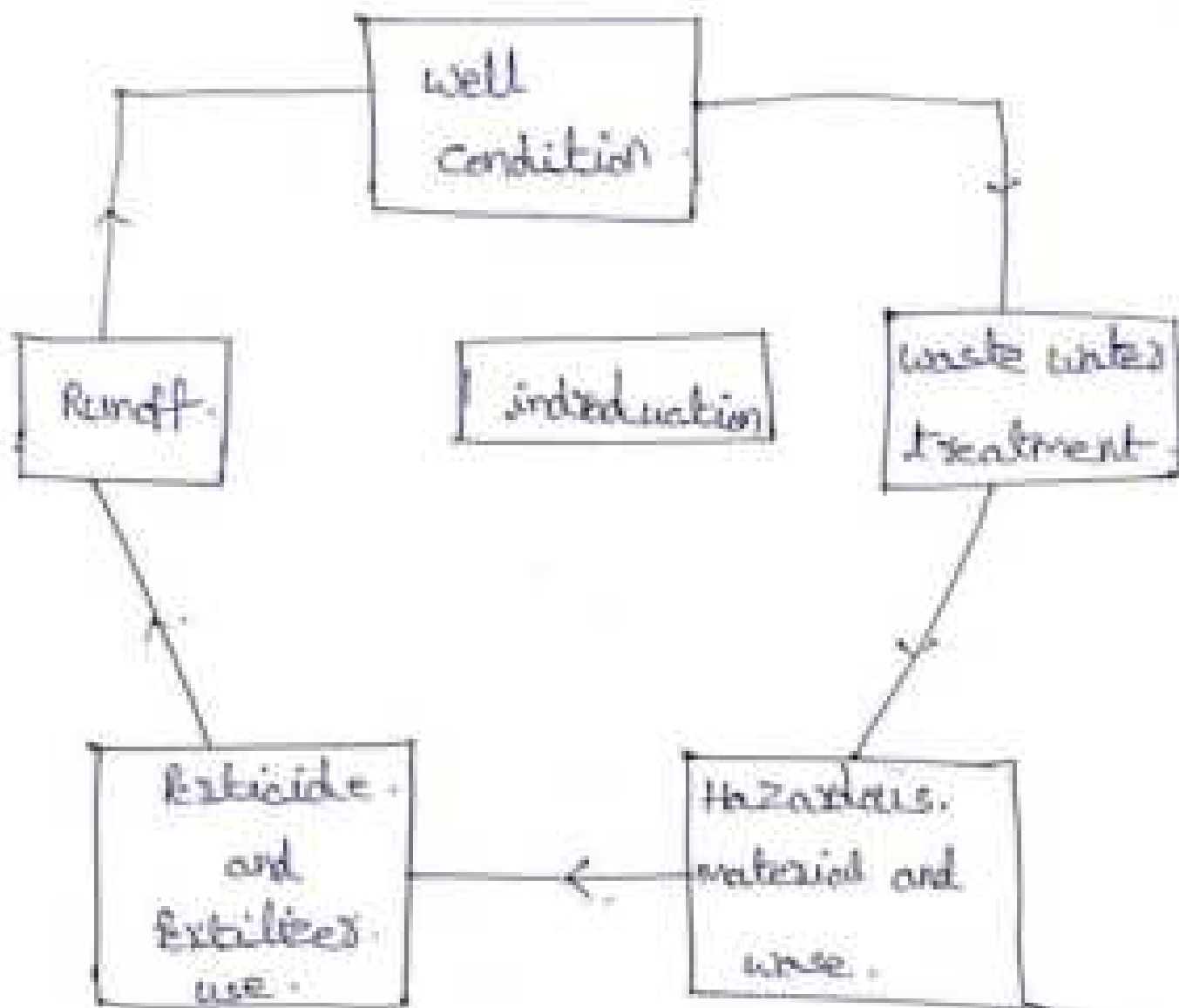
Ground water pollution:-

- * Any addition of undesirable substance to groundwater caused by human activities is considered to be contamination it has

after been assured that contaminants left on or under the ground will stay there.

source of ground water pollution:-

- * Most concern over ground water contamination has centered on pollution associated with human activities.
- * Human ground water contamination has centered on two waste disposal systems: 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: Singhvi. Divya Rasod.

Registration No: 720130805070.

Period of CSC: 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:

Singhvi. Divya Rasod.
Signature of the Student

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

Student Name: S. Divya Prasad .

Registration No: 720130805070 .

Period of CSP: From: To:

Date of Evaluation:

Name of the Person in-charge:

Address with mobile number: 634350457, N.T.R. Colony, Post - 0201.

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
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14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Supervisor



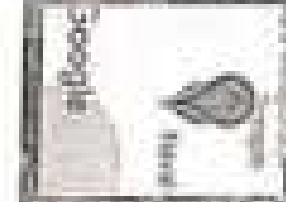
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 43° 45' 30" N, 79° 45' 30" W
 43° 45' 30" N, 79° 45' 30" W
 Wendell Park, Ontario, Canada



Wendell Park, Ontario, Canada
 43° 45' 30" N, 79° 45' 30" W
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Wendell Park, Ontario, Canada
 43° 45' 30" N, 79° 45' 30" W
 43° 45' 30" N, 79° 45' 30" W
 Wendell Park, Ontario, Canada

MARKS STATEMENT
(To be used by the Examiners)

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: S. Durga Prasad

Programme of Study: water pollution

Year of Study: 2010-2013

Group: H.P.C

Register No/H.T. No: 720130805070

Name of the College: M.S.A.V.M. college

University: Andhra University

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	30	
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

Certified by DEPARTMENT OF CHEMISTRY

M.S. A.V.M. COLLEGE

YESACHAPATNAM-530001

Date:

Signature of the Head of the Department/Principal

Seal: