

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: P. Satya Tulasi
Programme of Study: water pollution
Year of Study: 2021-2023
Group: B.Sc
Register No/H.T. No: 20130805161
Name of the College: Mrs. A.V.N college
University: Andhra University

SLNo	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	20	
2.	Community Service Project Implementation	30	
3.	Mini Project Work	25	
4.	Oral Presentation	25	
	GRAND TOTAL	100	

Date:

G. Nanya
Signature of the Faculty Guide

Date:

Seal:

Certified by
Signature of the Head of Department of Mathematics & Statistics
P. GANDHI, M.Sc, M.Phil
Head of the Department
Mrs. AVN College, Visakhapatnam

M. K. S.
PRINCIPAL
Mrs. A.V.N. COLLEGE
VISA KHAPATNAM

MARKS STATEMENT
(To be used by the Examiners)

Student Self-Evaluation for the Community Service Project

Student Name:	P. Satya Tulasi
Registration No:	720130805161
Period of CSP: From:	To:
Date of Evaluation:	
Name of the Person in-charge:	
Address with mobile number:	

Please rate your performance in the following areas:

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 Student

Mrs A. V. N COLLEGE - VISAKHAPATNAM
DEPARTMENT OF MATHEMATICS [STATISTICS]

Log Book For community service project

Name of the student :- Pilla. Satya Tulasi

Group :- B.Sc [Statistics]

Registration number :- 720130805161

Name of the Mentor :- G. NAVYA.

S.No	Day	No. of Hours visited	No. of hours visited	Activity conducted	Signature of the Student
11	Day 11	6	5 hours	Report working	P. Satya Tulasi
12	Day 12	7	6 hours	Report working	P. Satya Tulasi
13	Day 13	7	6 hours	Report working	P. Satya Tulasi
14	Day 14	5	5 hours	Report working	P. Satya Tulasi
15	Day 15	7	6 hours	Awareness geated	P. Satya Tulasi
16	Day 16	8	7 hours	Report working	P. Satya Tulasi
17	Day 17	7	6 hours	Awareness geated	P. Satya Tulasi
18	Day 18	8	7 hours	Awareness geated	P. Satya Tulasi
19	Day 19	6	5 hours	Awareness geated	P. Satya Tulasi
20	Day 20	7	6 hours	Awareness geated.	P. Satya Tulasi

Mrs A.V.N COLLEGE - VISAKHAPATNAM
DEPARTMENT OF MATHEMATICS [STATISTICS]

Log Book FOR COMMUNITY SERVICE PROJECT.

Name of the Student :- Pilla. Satya Tulasi
Group :- B.SC [Statistics]

Registration Number :- 720130805161

Name of the Mentor :- G. NAVYA.

S.No	Day	No. of house visited	No. of Hours visited	Activity conducted	Signature of the student
1	Day 1	5	5 hours	Survey on water facility	P. Satya Tulasi
2	Day 2	6	5 hours	Survey on water facilities	P. Satya Tulasi
3	Day 3	7	6 hours	Survey on water facilities	P. Satya Tulasi
4	Day 4	5	6 hours	Survey on water facilities	P. Satya Tulasi
5	Day 5	5	5 hours	Survey on water facilities	P. Satya Tulasi
6	Day 6	6	5 hours	House hold Survey	P. Satya Tulasi
7	Day 7	6	7 hours	House hold Survey.	P. Satya Tulasi
8	Day 8	6	6 hours	House hold Survey	P. Satya Tulasi
9	Day 9	7	5 hours	House hold Survey	P. Satya Tulasi
10	Day 10	5	6 hours	House hold Survey	P. Satya Tulasi

Community Service.

Name of the village/street :- Relliveedhi
Name of the District :- Visakhapatnam
Name of the person :- parameswari
Door Number :- 16/52/2/1
Gender :- Female.
Age :- 28
Education :- 10th
Occupation :- Labour.
Income :- 12000/- for month.
Drinking water source :- municipal water.
purity of the water :- good.
proper drinking facility :- yes
Any water born diseases :- yes.
in your house
Is the quantity of water
is sufficient :- No.
How long does it take
to fetch water and return
home :- 30 min.
Are you satisfied with
your water facility :- yes.

Community Services.

Name of the village/street :- Talariipeta

Name of the District :- Visakhapatnam.

Name of the person :- Nookamani

Door number :- 16/52/2

Gender :- Female.

Age :- 40

Education :- 7th class.

Occupation :- Labor.

Drinking water source :- municipal water.

Purity of the water :- good.

proper drinking facility :- yes.

any water born diseases :- No.
in your house

Is the quantity of the water is sufficient :- yes.

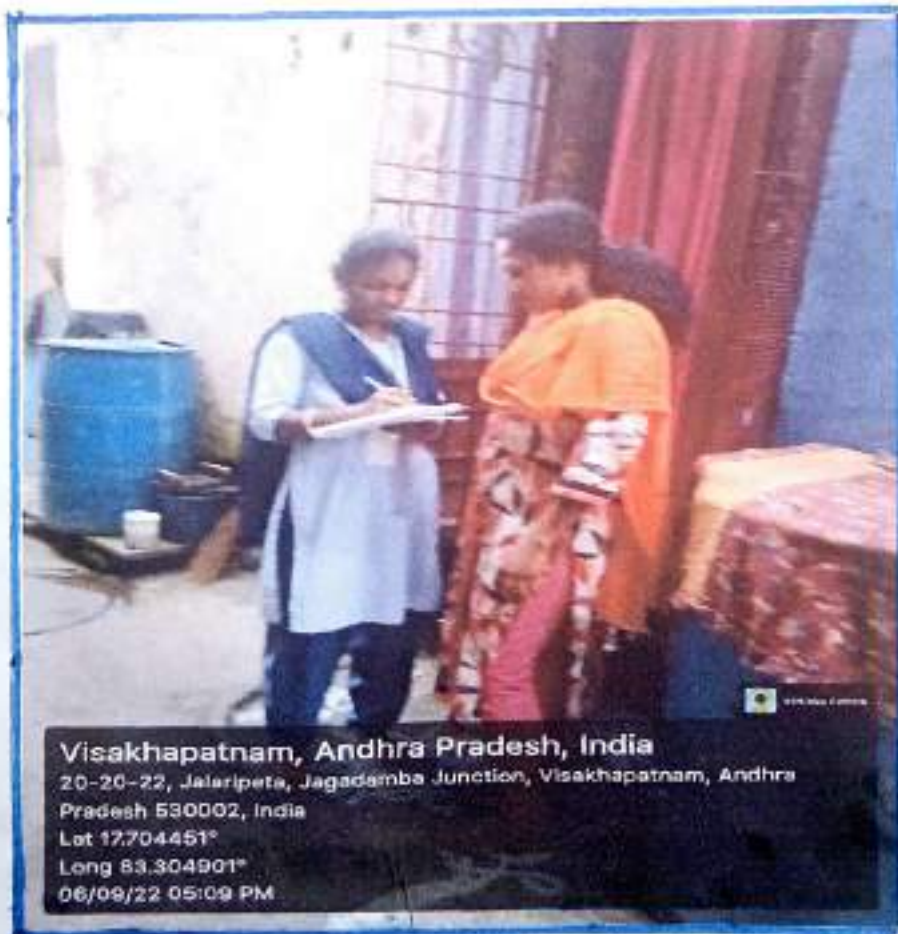
How long does it take to fetch water return

home :- 30 min.

Are you satisfied with your water facility :- Yes

Report-2

As a part of internship, I started a survey on water availability in our area. The people in that area have the availability of clean water. They didn't effected with any diseases. The mode of the drinking water is filtered and used by them. They save water as much as they can and they also stated that they don't have any problems with the municipal water in their locality.



Survey Report

Report 1 :

As a part of internship, I started a survey on water availability in our area. The people in that area have the availability of clean water. They didn't effected with any diseases. The mode of the drinking water is filtered and used by them. They save water as much as they can and they also started that they don't have any problems with the municipal water in their locality.



Awareness on saving the losing water Resources :



CHAPTER 6: RECOMMENDATIONS AND CONCLUSIONS OF THE MINI PROJECT

Recommendations

- ⇒ Small water enterprises (SWEp):- employ kiosks to complement piped water supply.
- ⇒ pipe water supply:- pilot 24/7 water supply initiative and build local capacity
- ⇒ Digital Tools:- Improve E-governance for Vizag everything Digital tools.

Conclusions

only a few of which are discussed here rivers and streams demonstrate some capacity to recover from the effects of certain pollutants. But lakes, bays, sluggish rivers and oceans have little resistance to the effects of water pollution.

- ⇒ There is need to identify a water conservation and demand strategy for enterable municipality.
- ⇒ There is need for research and development in potential water use saving facilities and opposite technologies.

Water pollution:-

water pollution (or) aquatic pollution is the contamination of water bodies usually as a result of human activities, so that it negatively affects it's uses water bodies include lakes, rivers, oceans, reservoirs and ground water pollution result. when contaminants are introduced into these water bodies water pollution can be attributed to one of four sources. sewage discharge, industrial activities agricultural activities and discharge and urban runoff including stormwater.

It can be grouped into surface water pollution (or) ground water pollution for example:- releasing inadequately treated waste water into the natural water can lead to degradation of these aquatic ecosystem. water pollution can also lead to water-borne diseases for people using pollution water for drinking, bathing, washing and etc.

2. Surface water information:-

Basic information on the science of surface water surface water hazards (floods, drought, storms) surface water quality [runoff, silences, sediment ponds, storm sewers, urbanization and water quality], statistics on surface water use by various sectors discussion of surface water and the links to surface water data.

3. Alternative water information:-

Information on alternative water supplies: stormwater, reclaimed waste water and more with to goth resources and cases study Examples for each.

Three water source is mostly important source of water for water availability.

water is at the center of economic and social development, it vital to maintain health grow food, manage the environment.

How does geoscience help inform decisions on water availability?

A: Geoscientists study how water moves in order to locate and quantify surface water and underground water. They use models to predict how much water will be available under different scenarios of climate and social demand. They also explore alternative water sources like water recycling and desalination of ocean water.

Resources of water:

1. Ground water information

Basic information on the science of ground water, human interaction with ground water [wells, ground water department and overview], ground water quantity [pesticide, contaminants, water well contamination], use of ground water and ground water measurement and ground water discussion and the water cycle, and links to USGS Ground water data. This is a ground water information.

WATER AVAILABILITY

Water is constantly moving on the earth between the atmosphere, ocean, rivers and streams, snowpacks and ice sheets and underground. Water availability both as surface water and groundwater is essential for agriculture, human consumption, industry and energy generation.

Fresh water is available as available as surface water (such as lakes, rivers, reservoirs) and groundwater (found underground in rock or soil layers and accessed through wells or natural spillings). Water is constantly moving on the earth between the atmosphere, ocean, and different fresh water bodies. Climate, land use, local geology, and quality all affect the availability of fresh water resources in addition to the direct demands people place on them.

Why does water availability matter?

At water is vital for agriculture, human consumption, industry and energy and groundwater are used up or contaminated beyond use of them more expensive water sources.

Water Use Types :-

The use of water may be classified by specific types according to distinctive uses, such as the following :-

1. Commercial water use.
2. Domestic water use
3. Hydroelectric power water use.
4. Irrigation water use.
5. Livestock water use.
6. Mining water use
7. Navigational water use.

Other Water Use :-

1. public water use [Some as utility water use]
2. Residential water use [Some as Domestic water use]
3. Rural water use.
4. Thermo electric power water use.

⇒ An analysis of Censuses 2011 data confirms many known facts. - the urban beats the rural when it comes to treated tap water supply, access to water testing labs and much more. Sixty eight percent of india's population.

⇒ Lives in rural areas but when it comes to facilities.

⇒ Including the availability of safe drinking water cities and towns corner most of them.

Investments to rural india increased from Rs 31,356 crore (2002-07) to Rs 89,150 (2007-12) but this hasn't helped bridge the gap.

Major causes of water consumption:-

Freshwater is primarily used for thermoelectric power (45%), irrigation (32%), public supply (12%), soft supplied industrial (5%) and agriculture (3%) in the United States. These water demands are expected to increase in a changing climate due to changes in temperature and precipitation.

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 6 pages.

WATER FACILITIES:-

one or more devices used in the collection, treatment or distribution of water for domestic and other legal uses, including systems of raw and clear water and distribution storage reservoirs deep and shallow wells, pumping ventilating and gauging stations, inlets, tunnels, flumes, conduits, canals, collection transmission and distribution lines infiltration galleries, hydrates, meters and filtration and treatment plants and works all pumping, power, and other equipment and appurtenances, all extensions, improvement, remodeling additions and alterations these are some problems of the and any and all right or interests in such water facilities.

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

Awareness about water :-

public water conservation campaigns seek awareness in all level of society about the importance of saving water to cope with its scarcity and ensure sustainability the aim is to change citizen attitudes and behaviours to improve water use efficiency Awareness programmes.

S.No	Name of the program	Mode	Date
1.	Awareness program on water conservation	prajavani news paper phone in programme.	09/9/2022.
2.	community based water resource management	Krishidharsha [chaudana vahi ni] phone in programme.	15/10/2022.
3	on occasion of world water day Talada moulya Jagada Korlayya	Krishidharsha -na [chaudana vahi ni] phone in programme.	29/10/2022

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.

possible solution for the problem identified

- ⇒ waste water treatment
- ⇒ plastic waste reduction.
- ⇒ water conservation.
- ⇒ Install a water efficient toilet in your home.
- ⇒ Specific tanks.
- ⇒ Avoid using the toilet as a waste basket.
- ⇒ Digging water wells.
- ⇒ Green Agriculture.

Solutions :-

- ⇒ Before raw sewage can be safely released back into the environment, it needs to be treated correctly in a water treatment plant. In a water treatment plant sewage goes through a number of chambers and chemical processes to reduce the amount and toxicity of the water.
- ⇒ The final stage of treatment is the tertiary phases - this stage must almost all solid particles are removed additives water are supplied to set rid of any left overs.

Describe the problems you have identified in the community

Contaminated water and poor sanitation are linked to transmission of diseases such as cholera, diarrhoea, dysentery, hepatitis A, typhoid and polio. Inadequate or inappropriately managed water and sanitation services expose individuals to preventable health risks. This is particularly the case in health care, placed at additional risks of infection hygiene services. Globally, 15% of patients develop an infection during a hospital stay with the proportion much greater in low income countries.

Inadequate management of urban industrial and agriculture wastewater means the drinking water of hundreds of millions of people is dangerously contaminated or chemically polluted. Natural presence of chemicals particularly in ground water, can also be of health significance, including arsenic and fluoride, while other chemicals, such as lead may be elevated in drinking as a result of leaching from water supply components.

CHAPTER 5: OUTCOMES DESCRIPTION

Details of the Socio-Economic Survey of the Village/Habitation. Attach the questionnaire prepared for the survey.

1. Name of the person?
2. Name of the Village (or) Town?
3. Gender and age of the person?
4. Type of family [Nuclear/joint/extended?]
5. What is your Door number?
6. Which sources of drinking water are available in your neighbourhood?
7. Which source of does your house hold use?
8. Is the frequency sufficient for your needs?
9. Any water born diseases in your house?
10. Is any of your family members suffering from Joint pains?
11. Name of the medicines frequently used in the family.
12. Quality and drinking water source
(How much?)
13. How is drinking water purified?

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.

THE ACTIVITIES UNDERTAKEN IN THE COMMUNITY DURING THE COMMUNITY SERVICE PROJECT.

1. Surveys on Socio-Economic.
2. House hold Survey.
3. Report Writing
4. Awareness Created
5. Awareness programme.
6. Submit the project
7. Report the project.

VALUES, LIFE SKILLS AND TECHNICAL SKILLS

1. Team work and problem solving skills.
2. The ability to communicate effectively with others.
3. The collaborative nature of project also gain forces the Social and Emotional Learning programs.
4. people in Learning Environments have a wider and more diverse Social Circle.
5. These whose learn reality and continue usually are better able to put learn along what they have earned and act.

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.

Talaripeta, Relliveedhi - 530001 is located in Vptm. Ap.

Here Houses are placed on mountain. The people are too friendly with each other. The houses are placed within no place there are street lights for each line of the area. Some people are using municipal water for drinking and other uses.

Some people are buying water cans for drinking purpose. The roads are very clean and some places are filled with dust and wastage of houses, which is mixed with drinking water.

Some people are using ground water for drinking. The water of this area is not purified people are suffering from and long term diseases. They do not think that water is basis of life they are not identify problems in future.

Water is the basis of life. Water is an important resource water is used by people in many ways. Water and water pressure.

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.

Talaripeta, Relliveedhi Street located in Visakhapatnam, Andhra Pradesh.

Water is the basis of life. Water is an important resource, water is used by people in many ways. Quality and water pressure. The institutional responsibility for water supply is arranged differently in different countries and regions. Water used for drinking, cooking, cleaning and other activities. Pollutants chemicals, trash battery and parasites.

In my survey I have observed that many of the people are affected with water diseases like diarrhoea, Typhoid etc. To control this situation Act. 1974 is enacted with the object of prevention and control of pollution in India.

Objectives:-

- * Identify the ways in which human waste water can cause water pollution.
- * Identify contaminants that are non-chemical pollution.

Outcome:-

- * Facility should be increased
- * Awareness should be created.

Water Facilities And Drinking Water Availability



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ACKNOWLEDGEMENTS

It is really 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.

"WATER FACILITY AND DRINKING WATER AVAILABILITY." with special reference to Jalapeta, Belliveedhi, Visakhapatnam District of Andhra Pradesh.

I wish to express my gratitude to all the members of Talasipeta for giving the project responses which has been instrument al in completion of this project. I am thankful to my mentor G. Navya lecture in mathematics DEGREE college Visakhapatnam for her support and encouragement throughout the tenure of the project.

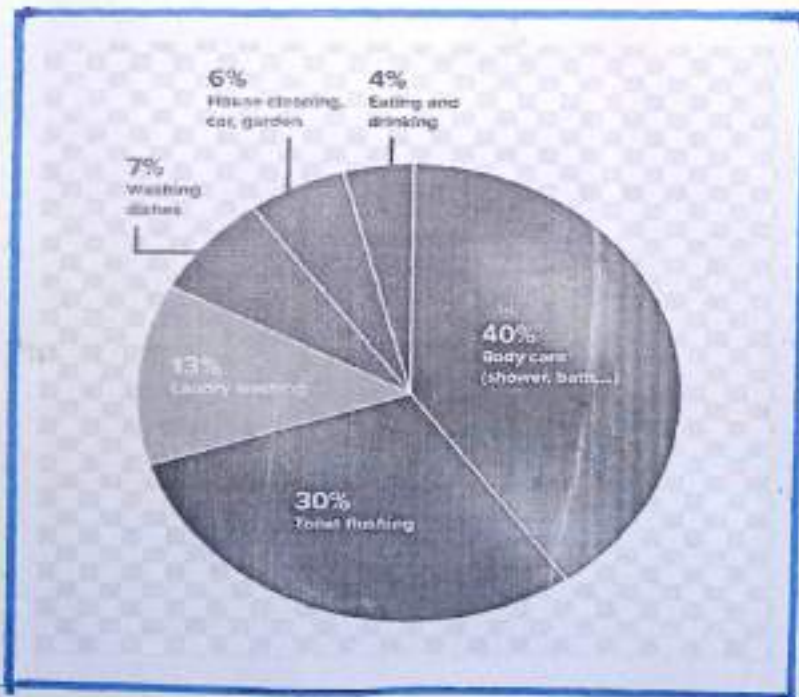
I would also like to extend my gratitude to the principle Sir "M. Simhadri Naidu" for providing me all the facilities that was required.

In the end, I wish to thank my parents, as well for their support and encouragement. without which I could not have completed this project in the limited time frame.

Water is basis of life



Percentage of water used daily



Program Book for Community Service Project

Name of the Student: pilla. Satya Tulasi
Name of the College: Mrs. A.V.N college.
Registration Number: 720130805161
Period of CSP: From: September To: October.
Name & Address of the Community/Habitation:

Student's Declaration

I am ^{Satya Tulasi} ~~P.~~ a student of ^{Community service} Program, Reg. No. ~~72013080516~~ of the Department of ~~B.Sc.~~ ^{Statistics} College do hereby declare that I have completed the mandatory community service from ~~.....~~ ^{September} to ~~.....~~ ^{October} in (Name of the Community/Habitation) under the Faculty Guideship of ~~G. Naya~~ ^{G. Naya} (Name of the Faculty Guide), Department of ~~Mathematics~~ ^{Statistics} in ~~M.S.~~ ^{M.S.} ~~A.V.N.~~ ^{A.V.N.} College

Pilla. Satya Tulasi

(Signature and Date)

Endorsements

Faculty Guide *G. Naya*

P. Gandhi
P. GANDHI, M.Sc, M.Phil
Head of the Department
Department of Mathematics & Statistics
Mrs. AVN College, Visakhapatnam

M. S. ...
Principal

PRINCIPAL
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM

Community Service Project Report

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

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

Department: B.sc [statistics]

Name of the Faculty Guide: G. Navya

Duration of the CSP: From 10-09-2022 To 10-10-2022

Name of the Student: Pilla. Satya Tulasi

Programme of Study C.S.P

Year of Study: 2020 - 2023

Register Number: 720130805161

Date of Submission:

Certificate from Official of the Community

This is to certify that P. Satya Tulasi (Name of the Community Service Volunteer) Reg. No. 22013080516 of Mrs. A.V.N. (Name of the College) underwent community service in water facility and drinking water availability (Name of the Community) from August to September.

The overall performance of the Community Service Volunteer during his/her community service is found to be Good (Satisfactory/Good).

Authorized Signatory with Date and Seal



Mrs. A.V.N. College
(NAAC Accredited 'A' Grade Institution)
(Affiliated to Andhra University)



Date:

CERTIFICATE

This is to certify that p. Satya Tulasi, Regd.No 720130805161 of Mrs. A.V.N College underwent Community Service Project in Water pollution with special reference to Kotha Talasipeta Visakhapatnam, Andhra Pradesh under the guidance of Navya madam from 10-09-22 to 10-10-22.

The overall performance of the community service volunteer during her / his community service is found Good

Authorized Signatory

Estd: 1860

community survey project
on

water facility and drinking water availability

submitted by
p. Satya tulasi

under the guidance of
Ms. G. Navya



Mrs A. V. N college , Visakhapatnam

Andhra Pradesh - 530001



Program Book

Community Service Project

**AP STATE COUNCIL OF HIGHER
EDUCATION**
(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)