

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

GANTA SYAMSUNDARA RAO

REGD.NO:: 720130805023



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

**I GANTA SYAM SUNDARA RAO, Student of BSc – M.P.C,
Mrs. A.V.N College, affiliated to Andhra University here by**



Estd : 1860
VISAKHAPATNAM – 530001
ANDHRA PRADESH

CERTIFICATE

This is to certify that project entitled as "Survey of screening report on blood grouping at Port area" is Bonfide work done by **GANTA SYAM SUNDARA RAO** (Regd.no:720130805023), 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. SimhadriNadiu)

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


(p.krishna kumari)
P. KRISHNA KUMARI
HOD IN CHEMISTRY
DEPARTMENT OF CHEMISTRY
MRS. A.V.N.COLLEGE
VISAKHAPATNAM-530001

CONTENTS

MENTOR

declared that this project entitled "Survey on Screening report of BLOOD GROUPING at PORT AREA" is a genuine work carried out by me under the guidance of Mrs. P.KRISHNA KUMARI lecturer in Chemistry, 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

G. Symbundara Rao.
Name & Signature of the student

MRS. A.V.N COLLEGE

PROGRAM BOOK FOR COMMUNITY SERVICE PROJECT

Name of the Student: CHANDRA SURESHKANTH RAO

Name of the College: MPS ADAR COLLEGE

Registration Number: 12050895008

Period of CSP: From _____ To _____

Name & Address of the Community / Habitation: _____

_____ University

YEAR

Community Service Project Report

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

Name of the College: *MYS A.V.M. College*

Department: *Chemistry*

Name of the Faculty Guide: *Pedma.*

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

Name of the Student: *Ganki Syamsundara Rao.*

Programme of Study: *blood donation (Blood Grouping)*

Year of Study: *2020-2023*

Register Number: *720130805023*

Date of Submission:

Student's Declaration

I, G. Syam Sundara Rao, a student of Mpc Program,
Reg. No. 720130805723 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
post area, (Name of the Community/Habitation) under the Faculty
Guideship of Padma, (Name of the Faculty Guide), Department
of English in College

G. Syam Sundara Rao
(Signature and Date)

Endorsements

V. Pal
Faculty Guide

P. Krishna Kumari
Head of the Department
P. KRISHNA KUMARI
HOD IN CHEMISTRY
DEPARTMENT OF CHEMISTRY
MRS. A.V.N. COLLEGE
VISA KHAPATNAM-530001

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

Certificate from Official of the Community

This is to certify that Er. Syam Sundara Rao (Name of the Community Service Volunteer) Reg. No 120130805023 of MRS. A.V.N College (Name of the College) underwent community service in pat area (Name of the Community) from 12-05-2022 to 17-11-2022. 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

I wish to express my gratitude to those who extended their valuable co-operation and contribution towards the project.

I would like to thank my project mentor Mr. Sharubh Sir for his valuable time and continued assistance for the successful completion of the project.

I would also like to express my gratitude to Mr. Shankar Narayan Sir, Mrs. Ann College Management for facilitating this project and providing his guidance throughout the duration of the project.

I would also like to thank the faculty and staff of the institution, family members and my dear friends for their support to successful completion of the project.

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.

Community programs can expand the opportunities and to experience - the broad range and social assets and to acquire personal and social assets for youth to acquire personal and social assets and to experience the broad range of features of positive development setting.

The activities I performed in the Community service are to investigate how many people have basic and detailed knowledge about blood groups, blood levels, blood transfusion, blood groups and its crucial role in human body. which may reduce donor participation.

I conducted a survey in the society to know how many people have basic knowledge about blood groups and blood donation. Survey covered questions regarding donors, agree or well or disagree. To know blood and knowledge knowing their blood groups and reasons behind their respective choices. To motivate and blood maximum people for knowing about blood groups, blood level and blood donation information was gathered through various questions. In the survey, while they are having their refreshment.

CHAPTER 2: OVERVIEW OF THE COMMUNITY

About the Community/Village/Habitation including historical profile of the community/habitation, community diversity, traditions, ethics and values. One town also called Brief note on Socio-Economic conditions of the Community/Habitation. The "old town" is

located in Visakhapatnam city. India. The area falls under the local administrative limits of greater Visakhapatnam municipal Corporation.

The town area has more than 300 years of history. In British era the business of whole city was located here including the administration of Visakhapatnam District. There are many old monuments built here like town hall Visakhapatnam (1904), Burpam market (1914), European Cemetery (1844), Queen Victoria Pavilion (1904), St John's Church (1844), Queen Mary's school (1900), Dshayamma Dargah (1900), St Alloysius Anglo-Indian High school (1890) and the light house. (1903)

The old town area runs from Turro Chaitany to end of Visakhapatnam port. It has many historical educational institutions. There are so many middle class student area learning education here. The area is administered by greater Visakhapatnam municipal Corporation.

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.

→ values, life skills and Technical skills that the students acquired doing the Community service projects are:-

- * Time management
- * Community awareness
- * Curiosity
- * Humility
- * Integrity
- * willingness to learn & try New things.
- * problem solving
- * Relationship Building
- * Team work
- * professional skills
- * Communication skills.
- * Empathy
- * patience
- * flexibility
- * organisational skills
- * ethics & Non Judgmental
- * Self Confidence
- * Responsibility
- skill in data collection & analysis of the data
- skill in maintaining proper records.
- skill in keeping personal records.
- skill in developing inter group relationship.
- dealing with group feelings.
- Analyzing the group & learn situation
- motivated to grow & learn.
- possessing to grow a positive attitude
- Adaptability.
- Technical literacy.
- organisational skill etc.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	we learned about the blood groups and blood tests with the help of your books, mobile phones. And after that we have prepared a questionnaire about blood groups.	we come to know about how blood groups and blood tests work a bit of use in our human body.	Shyja
Day - 2	with help of questionnaire we conduct a survey in the school area or we chosen to doing community survey project.	answers are written in log book	Shyja
Day - 3	with the help of question name we conduct a survey in the school area. and we chosen to doing community survey project.	Questionary part part answers are written.	Shyja
Day - 4	with the help of question name we conduct a survey in the school area or we chosen to doing community survey project.	All answers are written.	Shyja
Day - 5	with the help of question name we conduct a survey in the school area or we chosen to doing community survey project.	In 5th day the people is selected was calculated	Shyja
Day - 6	with the help of question name we conduct a survey on the school area or we chosen to doing community survey project.	In data will be written in the book.	Shyja

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	With the help of Questionnaire. we conduct a survey in the field/area as we chosen to doing Community Survey project.	we learn the skills development in the cap project	Raju
Day - 2	With the help of Questionnaire. we conduct a survey in the field/area as we chosen to doing Community Survey project.	Achieved System skills	Raju
Day - 3	With the help of Questionnaire. we conduct a survey in the field/area as we chosen to doing Community Survey project.	written skills	Raju
Day - 4	With the help of Questionnaire. we conduct a survey in the field/area as we chosen to doing Community Survey project.	kind thinking	Raju
Day - 5	With the help of Questionnaire. we conduct a survey in the field/area as we chosen to doing Community Survey project.	interaction	Raju
Day - 6	With the help of Questionnaire. we conduct a survey in the field/area as we chosen to doing Community Survey project.	critical thinking	Raju

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	With the help of Questionnaire we conduct a survey in the field/area we have chosen to do community survey project.	Self happiness improve that leadership quality	B. Sui Kiran
Day - 2	With the help of Questionnaire we conduct a survey in the field/area we have chosen to do community survey project.	Self Confidence Communication skills	B. Sui Kiran
Day - 3	With the help of Questionnaire we conduct a survey in the field/area we have chosen to do community survey project.	Patience	B. Sui Kiran
Day - 4	With the help of Questionnaire we conduct a survey in the field/area we have chosen to do community survey project.	Learning	B. Sui Kiran
Day - 5	With the help of Questionnaire we conduct a survey in the field/area we have chosen to do community survey project.	Happiness	B. Sui Kiran
Day - 6	With the help of Questionnaire we conduct a survey in the field/area we have chosen to do community survey project.	Change maker.	B. Sui Kiran

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	With the help of Questionnaire we conduct a Survey in the field/area we have chosen to do a Community Survey project.	All are vaccinated	Sankar
Day - 2	With the help of Questionnaire we conduct a Survey in the field/area we have chosen to do a Community Survey project.	Self	Sankar
Day - 3	With the help of ^{Project} Questionnaire we conduct a Survey in the field/area we have chosen to do a Community Survey project.	written Self	Sankar
Day - 4	With the help of Questionnaire we conduct a Survey in the field/area we have chosen to do a Community Survey project.	using of internet	Sankar
Day - 5	With the help of Questionnaire we conduct a Survey in the field/area we have chosen to do a Community Survey project.	internet Self	Sankar
Day - 6	With the help of Questionnaire we conduct a Survey in the field/area we have chosen to do a Community Survey project.	thinking	Sankar

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	With the help of Questionnaire, we conduct a survey in the field area as we chosen to doing Community Survey project.	with our mentor corrected small mistakes then rectified	Mahesh
Day - 2	With the help of Questionnaire we conduct a survey in the field area as we chosen to doing Community Survey project.	start writing polls	Mahesh
Day - 3	With the help of Questionnaire, we conduct a survey in the field area as we chosen to doing Community Survey project.	Our classmate was checked off signed	Mahesh
Day - 4	With the help of Questionnaire we conduct a survey in the field area as we chosen to doing Community Survey project.	usage of mobile.	Mahesh
Day - 5	We Analyze data on the Survey.	critical thinking	Mahesh
Day - 6	After Analysis the data on the Survey, we make a poster and conduct awareness program in our Community.	I am very happy & satisfied	Mahesh

CHAPTER 5: OUTCOMES DESCRIPTION

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

Questionnaire:-

- ① Name of the respondent.
- ② Age
- ③ Gender
- ④ Marital status.
- ⑤ Address.
- ⑥ Do you know about blood groups?
A) Yes B) No.
- ⑦ Do you know your blood group?
A) Yes B) No.
- ⑧ Which blood group do you have?
A) A B) B C) AB D) O.
- ⑨ Have you donate your blood permanently?
A) Yes B) No.
- ⑩ How many times do you donate your blood?
A) Once B) Twice C) Thrice D) More than Thrice
- ⑪ Do you suffering and type of blood disease?
A) Yes B) No.
- ⑫ Do you suffering from given blood diseases at least one times?
A) Anemia B) Dengue C) Malaria.

Describe the problems you have identified in the community

8) Have you health issues due to blood donation?

A) Yes B) No.

9) Have you health issues due to blood receiving?

A) Yes B) No.

10) When you need a blood emergency is it available or not?

A) easily available

B) Difficult.

C) quite difficult.

D) Not available.

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

→ problems in the community are! -

- * poverty
- * unemployment
- * pollution
- * open drainage
- * lots of usage of plastics
- * Bad Roads.
- * water shortage
- * Lack of health care problems
- * Illiteracy
- * violence
- * Encroachment of pollution
- * Air pollution
- * Access of safe drinking water.

Blood Groups:

Abstract:-

Introduction:-

* A blood group is also known as blood type.
* Blood typing is a method to tell what

type of blood you have. Blood typing is done so you can safely donate your blood or receive a blood transfusion.

⊕ It is also done to see if you have a substance called Rh (Rhesus) factor on the surface of your red blood cells (RBC's)

⊕ Your blood type is based on whether or not certain proteins are on your red blood cells. These proteins called antigens your blood type depends on what types your parents passed down to you.

* Blood is often grouped according to the ABO

Blood Typing System:

The four major blood types are:-

- ⊕ Type A
- ⊕ Type B
- ⊕ Type C
- ⊕ Type D

Again to face major blood groups are classified based on the Rho. Each group can be either Rho positive or Rho negative which means in total there are 8 blood groups.

They are!

- (1) A positive
- (2) A negative
- (3) B positive
- (4) B negative
- (5) AB positive
- (6) AB negative
- (7) O positive
- (8) O negative

⊕ Blood Group information is an integral part of clinical diagnosis using various hematological techniques to understand hematological disorders. Simultaneously, it is mandatory to have clear information on blood groups in case of blood transfusion and related matters.

Aim: The aim was to study the blood group typing and importance of blood groups and how many people have know about the importance of the blood groups and about blood groups among the people in social groups.

Material and Methods! - The present observational study was carried out in Mirzapur district of Eastern Region of Andhra Pradesh, India to record the blood groups of total people from each only selected area. The collected numerical data was statistically analysed in the form of pie charts and bar diagrams.

Result! - The present survey was carried out during the year 2022 in P Town, Mirzapur district, covering 1073 people to understand the blood groups. During the investigation, the majority of people belong to (O+) followed by B+ (21), A+ (20), AB+ (21), O- (15), B- (19), A- (10) and AB- (2) respectively. There were 226 people, they don't know their blood group. Of (233) and A+ (240) blood groups were observed as most common blood groups and AB- blood group was found only in seven people.

Conclusion! - The present study yielded information statistically on blood group pattern across the population and it can be used by knowing their blood groups from various groups.

→ History of blood groups

Blood types were first discovered by an Austrian physician, Karl Landsteiner working at the Pathological-Anatomical Institute of the University of Vienna (now medical university of Vienna) in 1900. He found that blood sera from different persons would clump together, (agglutinate) when mixed agglutinated with animal blood.

The next year, in 1901, he made a definitive observation that blood serum of an individual would agglutinate with only those of certain individuals. Based on this he classified human blood into three groups, namely Group A, Group B, and Group O (ABO Group).

The ABO System

- ① The ABO blood group system is the most important blood type system in human blood transfusion.
- ② The ABO blood types are also present in some other animals for example rabbits and apes, bees, chimpanzees, bonobos and gorillas.

There are 4 main blood groups defined by the ABO system.

- ① Blood Group A - It has A antigens on the RBC with anti-B antibodies in the plasma.

- Blood Group B - It has B antigens on the RBC with anti-B antibodies in the plasma.
 - Blood Group O - It has no antigens on the RBC. Both anti-A and anti-B antibodies in the plasma.
 - Blood Group AB - It has both A and B antigens on the RBC but no antibodies in the plasma.
- Antigens and anti bodies present in A, B Blood Groups.

Blood Group	Antigen present	Antigen missing	Antibody present
A	A	B	Anti-A
B	B	A	Anti-B
O	None	A and B	Anti-A, B
AB	A and B	None	None

→ Blood type Compatibility :

Blood type	Group	Receiver
A ⁺	A ⁺ , A ⁻ , AB ⁺	A ⁺ , A ⁻ , O ⁺ , O ⁻
O ⁺	O ⁺ , A ⁺ , A ⁻ , AB ⁺	O ⁺ , O ⁻
B ⁺	B ⁺ , AB ⁺	B ⁺ , B ⁻ , O ⁺ , O ⁻
AB ⁺	AB ⁺	Everyone
A ⁻	A ⁺ , A ⁻ , AB ⁺ , AB ⁻	O ⁻
O ⁻	Everyone	O ⁻
B ⁻	B ⁺ , B ⁻ , AB ⁺ , AB ⁻	B ⁻ , O ⁻
AB ⁻	AB ⁺ , AB ⁻	A ⁺ , A ⁻ , B ⁺ , B ⁻ , O ⁻

→ Importance of Blood Groups

During blood transfusion only compatible blood must be used. The one who gives blood is called the "donor" and the one who receives the blood is called recipient.

→ The Rh System!

~~RBC~~ RBC's sometimes have another antigen, a protein known as the Rh antigen. If this is present in your blood group is Rh positive otherwise Rh negative. It is the most important blood group system after ABO.

It was first discovered by Rhesus macaque hence he named "Rh factor".

Rh factor (or) system can be classified into

4 major blood groups into 8 groups, that are

(A)	A	Rh positive	(A ⁺)
(A)	A	Rh negative	(A ⁻)
(B)	B	Rh positive	(B ⁺)
(B)	B	Rh negative	(B ⁻)
(AB)	AB	Rh positive	(AB ⁺)
(AB)	AB	Rh negative	(AB ⁻)
(O)	O	Rh positive	(O ⁺)
(O)	O	Rh negative	(O ⁻)

In most cases, O Rh negative blood (O⁻) can safely given to anyone. It is often used in medical emergencies when the blood type is not immediately known.

→ Globulin Blood Group!

Rh null individuals have no Rh antigens (no Rh or RAG) on their RBC's then it is called as Golden Blood Group.

→ Problems in the Community are:-

- ⊕ Poverty
- ⊕ unemployment
- ⊕ pollution
- ⊕ open drainage
- ⊕ Lot of usage of plastics
- ⊕ Bad Roads
- ⊕ Water Shortage
- ⊕ Lack of health care problems
- ⊕ Illiteracy
- ⊕ Violence
- ⊕ Interstitial pollution
- ⊕ Air pollution
- ⊕ Access of safe drinking water.

Student Self-Evaluation for the Community Service Project

Student Name: *GANTHA SYAM-REINDANA RAO.*

Registration No: *720130805829*

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:

Signature of the Student

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

Student Name: *STANTA SHYAM SUNDARA RAO.*

Registration No: *720180805823*

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
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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



Visakhapatnam, Andhra Pradesh, India
P73X4766, Opposite 33 Godowns, Near CBM School, Jagadamba Junction, Visakhapatnam, Andhra Pradesh 530001, India
Lat 17.70315°
Long 83.297973°
30/08/22 01:55 PM




Visakhapatnam, Andhra Pradesh, India
Andhra Bank Building, Kanchera St, Jagadamba Junction, Visakhapatnam, Andhra Pradesh 530001, India
Lat 17.703538°
Long 83.297824°
30/08/22 01:50 PM

Annexure :-






 Location
 Google

Visakhapatnam, Andhra Pradesh, India
 15-20-18, Sarada, Ward, District of Godavari, Andhra Pradesh, India
 Pincode 531002, India
 Lat 17.110000
 Long 83.280000
 2024/11/22 03:04 PM


 Location
 Google

Visakhapatnam, Andhra Pradesh, India
 15-20-18, Sarada, Ward, District of Godavari, Andhra Pradesh, India
 Pincode 531002, India
 Lat 17.110000
 Long 83.280000
 2024/11/22 03:04 PM


 Location
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 Location
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Visakhapatnam, Andhra Pradesh, India
 15-20-18, Sarada, Ward, District of Godavari, Andhra Pradesh, India
 Pincode 531002, India
 Lat 17.110000
 Long 83.280000
 2024/11/22 03:04 PM

INTERNAL ASSESSMENT STATEMENT

Name Of the Student:

Programme of Study:

Year of Study:

Group:

Register No/H.T. No:

Name of the College:

University:

<i>Sl.No</i>	<i>Evaluation Criterion</i>	<i>Maximum Marks</i>	<i>Marks Awarded</i>
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:

Seal:

Signature of the Head of the Department/Principal