

Resolution for the Implementation of Community Service Project (CSP)

Agenda

Dt 21/05/2022

- (1) Community Service Project for I Sem students (Admitted batch 2021-22) and III Sem students (Admitted Batch 2020-2021)
- (2) Implementation of CSP in Summer Vacation
- (3) Allocation of students to lecturers (Mentors)
- (4) Assignment of students to particular Village (or) Ward
- (5) Programme wise areas of CSP
- (6) Time line for the Community Service project

Discussions

The lecturers / mentors ~~present~~ attended in Principal Chamber were discussed following points mentioned hereunder related to CSP.

- * The staff council has discussed Objectives of the Community Service project
- * The staff ~~council~~ council has discussed the duration of the CSP
- * The staff council has discussed the procedure of the CSP
- * The staff council has discussed the subject areas of CSP
- * The staff council has discussed the programmes under Community Service project

- * The Staff Council has discussed the role of mentors in the SCP
- * The Staff Council has discussed the method of preparation of draft copy of the SCP
- * The Staff Council has discussed the method of maintaining the log-books of students
- * The Staff Council has discussed nearest habitations / wards of the students of the college
- * The Staff Council has discussed the list of areas of projects for BA / BCom / BSc suggested by the APSCHE
- * The Staff Council has discussed the role of local leaders in the completion of SCP.
- * The Staff Council has discussed the role of habitat / ward incharge of the Panchayat (or) Municipal Department
- * The Staff Council has discussed the methods of preparation of questionnaire
- * The Staff Council has discussed the challenges and objections be arrived during the implementation of the SCP

Resolutions / Minutes of the Staff Council meeting

Minutes of the meeting held on 21/5/2022 at 12 noon in the chamber of the Principal, SGA Govt. Degree College, Yellamanchili, Anaparthi (Dist)

All the faculty members headed by Dr. P. Chandra Sekhar, Principal discussed items in the agenda thoroughly and resolved the following unanimously mentioned hereunder.

- * Resolved to assign Community Service project to all the II Sem (2021-2022 Admitted batch) & IV Sem (2020-2021 Admitted batch) students under the supervision of faculty members / mentors
- * Resolved to start the CSP work for II Sem students immediately i.e. from 23/05/2022 and in the first week of June for IV Sem students in view of ongoing III Sem Examinations.
- * Resolved to segregate the students into groups. The group may contain minimum 15 students (or) below / more according to the strength of Group
- * Resolved to allocate the students to Mentors of same programme, which enable them to communicate easily for the every aspect.
- * Resolved to nominate Co-ordinator & Asst. Co-ordinator for the S.C.P.

Resolved to nominate Sri P.S. Jagga Rao guru, Lectures in Physics as Co-ordinator for GSP & Sri V. Chittibabu, Lectures in Commerce as Asst. Co-ordinator for C.S.P

Resolved to assign the following students mentioned hereunder to the faculty members to act as a Mentors of SCP

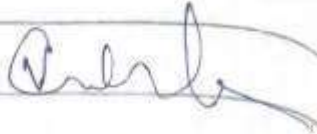
S.No	Group	Mentor	Allotted Students
1	BA II Sem	Sri BV Ramana	21 Students (All)
2	BA IV Sem	Kum B. Lakshmi Narasamma	21 Students (All)
3	BCom II Sem	Sri V. Chittibabu, Th	Roll No 1 - 20
		Sri R. Rama Rao	21 - 40
		Sri G. Kiran Kumar	41 - 53
	IV Sem	Sri M. Kishore	1 - 20
		Sri Prem. Sagal	21 - 42
4	MPC II Sem	Sri Ch. Vijaya Kumar	Roll No 1 - 20
		Sri V.A. Satyanarayana	21 - 40
	IV Sem	Smt Vidya Kalpama	1 - 29
5	MPCs II Sem	Sri Sai Chaitan	Roll No 1 - 20
		Sri P.S. Jagga Rao	21 - 40
	IV Sem	Sri G. Satyanarayana	1 - 20
		Sri H. Venkanna	21 - 39


6	CBZ II Sem	Dr B. Chandra Mouli Dr V. Padmaja	Roll No 1 - 22 23 - 43
	IV Sem	Dr G. Vijaya Pratap Dr A Arjun Appa Rao	1 - 14 15 - 28

P. Adireddy
Principal
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Yellamanchi - 531 055
Anakapalli District. (A.P.)

Sno.	Name of the Faculty	Subject	Signature
1.	R. Rama Rao	Commerce	<i>Mr</i>
2.	V. Chaiti. Balu	Commerce	<i>Devesh</i>
3.	M. Kishore	Commerce	<i>M. Kishore</i>
4.	V. A. Satyanarayana	Telugu	<i>Am</i>
5.	G. Satyanarayana	English	<i>Ar</i>
6.	K. Prema Sagar	English	<i>Ar</i>
7.	Ch. Vijaya Kumar	Maths	<i>Ch</i>
8.	P. S. Jagga Rao	physics	<i>Ar</i>

Srno. Name of the faculty Subject Signature


9. K. Venkanna physics 

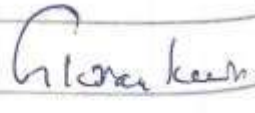
10. M. V. Kalpatha chemistry 


11. B. Chandratouli Botany 


12. V. Padmaja Botany 

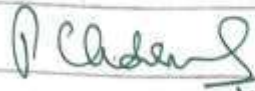
13. G. Vijaya pratap Zoology 

14. A. Srinivas Appa Rao Zoology 
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(P.A.)

15. G. Kiran Kumar Hindi 

16. B. Venkata Ramana Economics 

17. B. Lakshmi Narasamma Economics 


21/1/20

Principal

S.G.A. Govt. Degree College

Yellamanchili-531 055

Anakapalli District. (A.P.)

Zone - I	SGA GOVT DEGREE COLLEGE, YELLAMANCHILI	ANAKAPALLI DISTRICT
Format - I Community Service Project (CSP) - Plan of Action by Principal of the College		

S.No	Details of the Lecturer or Mentor Allotted for Community Service				Review by the Principal on execution of CSP (Once in 15 Days)		Remarks if any
	Name of the Lecturer/Mentor	Subject of the Lecturer	Type of the Lecturer RegU/Gues	Number of Students Allotted	First 15 Days	Last 15 Days	
SEM - II STUDENTS (ADMITTED BATCH - 2021-2022)							
1	Sri B Venkata Ramana	Economics	Regular	II Sem BA (1-21 Students)			
2	Sri V Chitti Babu	Commerce	Regular	II Sem BCom (1-20 Students)			
3	Sri R Rama Rao	Commerce	Regular	II Sem BCom (21-40 Students)			
4	Sri G Kiran Kumar	History	Regular	II Sem BCom (41-53 Students)			
5	Sri Ch Vijaya Kumar	Mathematics	Regular	II Sem MPC (1-20 Students)			
6	Sri VA Satyanarayana	Telugu	Regular	II Sem MPC (21 - 40 Students)			
7	Sri Sai Charan	Com.Science	Guest	II Sem MPCs (1-20 Students)			
8	Sri PS Jagga Rao	Physics	Regular	II Sem MPCs (21 - 40 Students)			
9	Dr B Chandra Mouli	Botany	Regular	II Sem CBZ (1-22 Students)			
10	Dr V Padmaja	Botany	Regular	II Sem CBZ (23 - 43 Students)			
SEM - IV STUDENTS (ADMITTED BATCH - 2020-2021)							
11	Kum B Lakshmi Narasamma	Economics	Regular	IV Sem BA (1-21 Students)			
12	Sri M Kishore	Commerce	Regular	IV Sem Bcom (1-20 Students)			
13	Sri Prem Sagar	English	Regular	IV Sem Bcom (21 - 42 Students)			
14	Smt M Vidya Kalpana	Chemistry	Regular	IV Sem MPC (1-29 Students)			
15	Sri G Satyanarayana	English	Regular	IV Sem MPCs (1-20 Students)			
16	Sri K Venkanna	Physics	Regular	IV Sem MPCs (21 - 39 Students)			
17	Dr G Vijaya Pratap	Zoology	Regular	IV Sem CBZ (1-14 Students)			
18	Dr A Arjuna Apparao	Zoology	Regular	IV Sem CBZ (15-28 Students)			


 Principal
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 Visakhapatnam District.

SIGNATURE OF THE PRINCIPAL



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Activity: Community Service Project 2021-22

List of I B.Sc (CBZ) Students assigned to Dr. B. Chandramouli, Lecturer in Botany

S.No	Name of the student	H.T Number	Year of Admission
1	AVADUTHALA MOHAN GEETHA	721135405081	2021-22
2	BANDI TEJASWINI	721135405082	2021-22
3	BANDI TEJOMAYEE	721135405083	2021-22
4	BATHULA NAGA SIVA GAYATRI	721135405084	2021-22
5	BEERA SUKANYA	721135405085	2021-22
6	BODDAPU NOOKARATNAM	721135405086	2021-22
7	BOLEM TEJASVI	721135405087	2021-22
8	BOLLAM LEELA PRAVEENA	721135405088	2021-22
9	BONTHU DIVYA KRUPA	721135405089	2021-22
10	BURRE LAVANYA	721135405090	2021-22
11	CHAVITHINI SWATHI	721135405091	2021-22
12	CHITTURU MOKSHA SRI	721135405092	2021-22
13	DEVARA SIVAJI	721135405093	2021-22
14	DUVVADA NISSI ALEKHYA	721135405094	2021-22
15	E. HEMA VARAHA DURGA	721135405095	2021-22
16	GANTA EMMI VINOLINI	721135405096	2021-22
17	GORINTHALA DHIKSHITHA	721135405097	2021-22
18	GUDALA KIRAN KUMAR	721135405098	2021-22
19	GUDALA RANI	721135405099	2021-22
20	JERRIPOTHULA SINDHU	721135405100	2021-22
21	KARAKA VASANTHA	721135405101	2021-22
22	KARRI LAKSHMI	721135405102	2021-22


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DEPARTMENT OF BOTANY

Community Service Project – 2021-22

List of I B.Sc (CBZ) Students with project Name allotted (Title)

S.No	Name of the student	H.T Number	Name of the Project
1	AVADUTHALA MOHAN GEETHA	721135405081	Documentation of Ayurvedic traditional Knowledge from Yellamanchili
2	BANDI TEJASWINI	721135405082	Documentation of Ayurvedic traditional Knowledge from Bayyavaram Village
3	BANDI TEJOMAYEE	721135405083	Documentation of Ayurvedic traditional Knowledge from Bayyavaram Village
4	BATHULA NAGA SIVA GAYATRI	721135405084	Documentation of Ayurvedic traditional Knowledge from Vommavaram Village
5	BEERA SUKANYA	721135405085	Documentation of Ayurvedic traditional Knowledge from Vakapadu
6	BODDAPU NOOKARATNAM	721135405086	Documentation of Ayurvedic traditional Knowledge from Manabala Palem
7	BOLEM TEJASVI	721135405087	Documentation of Ayurvedic traditional Knowledge from Allipudi Village
8	BOLLAM LEELA PRAVEENA	721135405088	Documentation of Ayurvedic traditional Knowledge from Somalinga palem
9	BONTHU DIVYA KRUPA	721135405089	Documentation of Ayurvedic traditional Knowledge from Dharmavaram Village
10	BURRE LAVANYA	721135405090	Documentation of Ayurvedic traditional Knowledge from CHB Agraharam
11	CHAVITHINI SWATHI	721135405091	Documentation of Ayurvedic traditional Knowledge from Kokkirapalli
12	CHITTURU MOKSHA SRI	721135405092	Documentation of Ayurvedic traditional Knowledge from PNR Peta
13	DEVARA SIVAJI	721135405093	Documentation of Ayurvedic traditional Knowledge from Janakayya Peta

14	DUVVADA NISSI ALEKHYA	721135405094	Documentation of Ayurvedic traditional Knowledge from Rajala Village
15	E. HEMA VARAHA DURGA	721135405095	Documentation of Ayurvedic traditional Knowledge from Pothireddy Palem
16	GANTA EMMI VINOLINI	721135405096	Documentation of Ayurvedic traditional Knowledge from Yellamanchili
17	GORINTHALA DHIKSHITHA	721135405097	Documentation of Ayurvedic traditional Knowledge from Mula jampa
18	GUDALA KIRAN KUMAR	721135405098	Documentation of Ayurvedic traditional Knowledge from NAOB Colony, Chintuva
19	GUDALA RANI	721135405099	Documentation of Ayurvedic traditional Knowledge from Kothur
20	JERRIPOTHULA SINDHU	721135405100	Documentation of Ayurvedic traditional Knowledge from Enugu Tuni
21	KARAKA VASANTHA	721135405101	Documentation of Ayurvedic traditional Knowledge from Janakayya Peta
22	KARRI LAKSHMI	721135405102	Documentation of Ayurvedic traditional Knowledge from Geddapalem


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Project Guide


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DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Students & Parents Meeting in implementation of CSP – 2022

Date: 29-05-2022




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Project Guide


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DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Meeting with students for implementation of CSP – 2022

Date: 18-06-2022




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Principal
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DEPARTMENT OF BOTANY


Community Service Project – 2021-22

Activity: Socio Economic Survey of I CBZ Students – 2022

Name of the Student:	B. Tejomayee
H.T Number:	721135405083




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DEPARTMENT OF BOTANY

CERTIFICATE

This is to certify that this is a bonafide Community Project work entitled “
Ayurvedic home remedies” done by B. Tejomayee of I B.Sc class with Regd.
No. 721135405117 during the academic year 2021-22.


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Declaration by the candidate

I hereby declare that the Project report "Ayurvedic home remedies to the common problems "under community service submitted by me to Dr. B. Chandra mouli sir, SGA Govt. Degree College, Yellamanchili, in partial fulfilment of the requirement for the award of the degree of CBZ in Botany department is a record of bona fide project work carried out by me.

I further declare that the work reported in this project has not been submitted and will not be submitted either in part or in full for the award of any other degree or diploma in this institute or any other institute or university.

Yellamanchili,

B. Tejomayee

Signature of the candidate

B. Tejomayee



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Acknowledgement

I would like to express my special thanks of gratitude to our principal Sir Dr. P. Chandra Sekhar sir who always encouraged us in this project. I would also like to thank my lecturer and guide Dr. B. Chandra mouli sir, who gave me the golden opportunity to do this wonderful project on the Ayurvedic home remedies” and for guidance in this project. I would also like to thank incharge of department of Botany- Dr. V. Padmaja madam, for his constant support. This project helped me in doing research on diseases of a village and closely interact with village olden people .They share their knowledge on Ayurvedic home remedies. And I came to know about so many new strategies to mitigate diseases. I am really thankful to them. Secondly, I would also like to thank my relatives B.Divya ,yeswanth who helped me a lot in finalising this project within the limited time frame

B. Tejomayee

B.Tejomayee
I CBZ

B. Chandramouli

B.CHANDRAMOULI
Lecturer in Botany
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Yellamanchili - 531055
Vishakhapatnam Dist.

INTRODUCTION

Village : Bayyavaram

mandal : kasinkota

District : Visakhapatnam

State : Andhra pradesh

My village is a place that I like to visit in my holidays or whenever I feel tired and want to relax. A village is a place that is far away from the pollution and noise of the city. Also, you feel a connection with the soil in a village. Around more than 70% of India's population resides in villages. Likewise, villages are the main source of food and agricultural produce that we consume. After independence, the villages have grown much in both population as well as education. The village is important because it is the primary sector of agricultural production of our country.

The village is the back bone of India's economy. It also plays a major role in maintaining the ecological balance of the environment. Villages are mostly covered with trees and plants and my village name is Bayyavaram

A village is called the rural part of the country. It is called rural because it does not have modern facilities like cities. The main occupation of the villages is farming. They are the primary source of the nation's agricultural production. The beauty of nature can be experienced in any village as it is



surrounded by trees, flowers, hills, streams. There is no pollution in my village and one can feel the freshness.

My village is a small village with a population of only sixty seven thousand six hundred sixty two. My village name is Bayyavaram near to the Anakapalli. There is a temple at the entrance of the village where often prayers and other worshipping activities are taking place. There are so many hills around the temple and our village is surrounded by hills, neem trees and with so many palm trees.

Bayyavaram is a village in kasimkota mandal in Visakhapatnam district of Andhra Pradesh state, India. Bayyavaram pincode is 531031. In my village, summer is a season of harvest of leafy vegetables and chillies. So I have seen those crops. Besides earlier there was to be more kutcha house but now the scenario has changed and the number of pakka houses have increased. My village is filled and surrounded by greenery. They are so many cows and buffalos which give healthy milk to us. My village is very near to the Anakapalli.

The Anakapalli town is famous for its Jaggery market. Its market is ranked second in India in terms of Jaggery imports and exports. Also India is the second most populated nation of the world and to feed this big population, they need food which comes from the village. This describes why they are





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DEPARTMENT OF BOTANY

Activity: Community Service Project 2021-22

Marks awarded to I B.Sc (CBZ) Students

Semester- I

Max marks: 100

S.NO	Regd.NO	Name	Marks				
			Project log (20M)	Implementation (30M)	Project Report (25M)	Presentation (25M)	Total(100M)
1.	721135405081	AVADUTHALA MOHAN GEETHA	17	24	20	20	81
2.	721135405082	BANDI TEJASWINI	18	26	21	21	86
3	721135405083	BANDI TEJOMAYEE	18	26	22	22	88
4.	721135405084	BATHULA NAGA SIVA GAYATRI	14	20	15	19	68
5.	721135405085	BEERA SUKANYA	13	22	14	20	69
6.	721135405086	BODDAPU NOOKARATNAM	14	23	16	22	75
7.	721135405087	BOLEM TEJASVI	18	26	23	23	90
8.	721135405088	BOLLAM LEELA PRAVEENA	18	25	23	22	88
9.	721135405089	BONTHU DIVYA KRUPA	14	19	19	17	69
10	721135405090	BURRE LAVANYA	15	21	18	19	73
11	721135405091	CHAVITHINI SWATHI	17	24	22	21	84
12	721135405092	CHITTURU MOKSHA SRI	14	22	14	20	70
13	721135405093	DEVARA SIVAJI	14	20	16	19	71
14	721135405094	DUVVADA NISSI ALEKHYA	17	26	21	21	84
15	721135405095	E. HEMA VARAHA DURGA	17	25	22	21	85
16	721135405096	GANTA EMMI VINOLINI	Community service Project Not Submitted				
17	721135405097	GORINTHALA DHIKSHITHA	Community service Project Not Submitted				
18	721135405098	GUDALA KIRAN KUMAR	13	18	19	17	67
19	721135405099	GUDALA RANI	16	21	19	20	75
20	721135405100	JERRIPOTHULA SINDHU	14	18	18	17	67
21	721135405101	KARAKA VASANTHA	14	18	20	19	71
22	721135405102	KARRI LAKSHMI	15	23	17	22	77

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DEPARTMENT OF PHYSICS

COMMUNITY SERVICE PROJECT (CSP) REPORT

NAMES OF STUDENTS ENROLLED FOR CSP UNDER GUIDANCE OF SRI PS JAGGA RAO, LECTURER IN PHYSICS FOR THE ACADEMIC YEAR 2021-22.

S.NO	NAME OF THE STUDENT	REGISTER NO	CLASS
1.	L.RAJITH KUMAR	721135405061	I-B.Sc (MPCs)
2.	M.M.SWAMY	721135405062	I-B.Sc (MPCs)
3.	M.YASODHA	721135405063	I-B.Sc (MPCs)
4.	M.SAI	721135405064	I-B.Sc (MPCs)
5.	M.SRIKANTH	721135405065	I-B.Sc (MPCs)
6.	M.K.N.D.M.G.BHAVANI	721135405066	I-B.Sc (MPCs)
7.	M.SUJA	721135405067	I-B.Sc (MPCs)
8.	M.H.M.VANI	721135405068	I-B.Sc (MPCs)
9.	M.SANTOSH	721135405069	I-B.Sc (MPCs)
10.	M.VENKATI	721135405070	I-B.Sc (MPCs)
11.	P.HYMAVATHI	721135405071	I-B.Sc (MPCs)
12.	P.R.NARENDRA	721135405072	I-B.Sc (MPCs)
13.	P.DAKSHAYANI	721135405073	I-B.Sc (MPCs)
14.	R.NEERAJA	721135405074	I-B.Sc (MPCs)
15.	S.V.BHAVANI	721135405075	I-B.Sc (MPCs)
16.	S.SANDHYA VENI	721135405076	I-B.Sc (MPCs)
17.	U.D.V.SANTOSH	721135405077	I-B.Sc (MPCs)
18.	V.N.L.PRABHAKAR	721135405078	I-B.Sc (MPCs)
19.	V.LOVA RAJU	721135405079	I-B.Sc (MPCs)
20.	Y.K.D.PRASAD	721135405080	I-B.Sc (MPCs)


Head of the Department
Department of Physics
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Yellamanchili-531055
ANAKAPALLI District


Principal
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DEPARTMENT OF PHYSICS


COMMUNITY SERVICE PROJECT (CSP) REPORT

CERTIFICATE

This is to certify that the community service project work entitled “ **Awareness on Power Saving**” is a bonafide work done by the following group of students and submitted for evaluation during August, 2022 under the supervision of Sri P S Jagga rao, HOD of Physics.

S.NO	NAME OF THE STUDENT	REGISTER NO	CLASS
1.	L.RAJITH KUMAR	721135405061	I-B.Sc (MPCs)
2.	M.M.SWAMY	721135405062	I-B.Sc (MPCs)
3.	M.SAI	721135405064	I-B.Sc (MPCs)
4.	M.SRIKANTH	721135405065	I-B.Sc (MPCs)
5.	M.K.N.D.M.G.BHAVANI	721135405066	I-B.Sc (MPCs)
6.	M.SUJA	721135405067	I-B.Sc (MPCs)
7.	M.H.M.VANI	721135405068	I-B.Sc (MPCs)
8.	M.SANTOSH	721135405069	I-B.Sc (MPCs)
9.	M.VENKATI	721135405070	I-B.Sc (MPCs)
10.	P.HYMAVATHI	721135405071	I-B.Sc (MPCs)
11.	P.R.NARENDRA	721135405072	I-B.Sc (MPCs)
12.	P.DAKSHAYANI	721135405073	I-B.Sc (MPCs)
13.	R.NEERAJA	721135405074	I-B.Sc (MPCs)
14.	S.V.BHAVANI	721135405075	I-B.Sc (MPCs)
15.	S.SANDHYA VENI	721135405076	I-B.Sc (MPCs)
16.	U.D.V.SANTOSH	721135405077	I-B.Sc (MPCs)
17.	V.N.L.PRABHAKAR	721135405078	I-B.Sc (MPCs)
18.	V.LOVA RAJU	721135405079	I-B.Sc (MPCs)
19.	Y.K.D.PRASAD	721135405080	I-B.Sc (MPCs)


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Principal
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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF PHYSICS

COMMUNITY SERVICE PROJECT (CSP) REPORT

PROJECT NAME: **AWARENESS ON POWER SAVING**

Objectives:

- To understand the life style of Rural peoples by doing Socio-Economic Survey.
- To Know the process of proper using of Electrical appliances by giving awareness on power saving.
- To Know the different types of bulbs
- To Know the power saving rating symbols like stars on some electrical appliances
- To know the advantages of CFL, LED bulbs
- To Know the Disadvantages of Incandescent bulbs.
- To learnt the Social behavior by execute this type of projects.
- To develop writing and reading skills by preparing of project report.
- To know about the impact on usage of electric power saving technics through comparing monthly current bills
- Electric power saving is influence the GDP of Nation.


1. Methodology

- The I B.Sc (MPCs) of 20 students carried out the Project entitled “Awareness on Power Saving”
- The Students independently went to rurals areas i.e, villages, interact with peoples and collect the information about Electrical appliances like types of bulbs, Washing machines, Refrigerators etc, what they are used. Basing on the information, they gave some power saving technics by distributing the brochures like use LED bulbs instead of incandescent bulbs to reduce power consumption. They took relevant photographs and successfully completed and submitted their project.

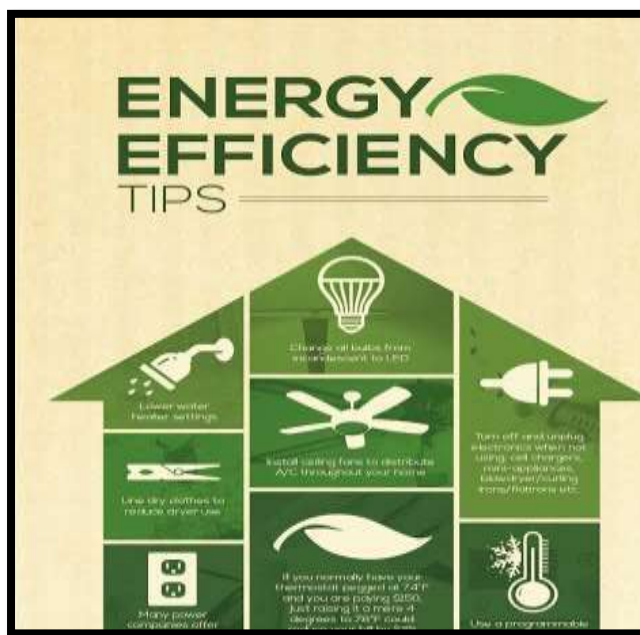
2. Outcome / Result

- Students learnt the Knowledge about methods of power saving
- Students knew the varieties of Electrical appliances.
- Students and public observe the reducing of power consumption by applying power saving technics through observing the monthly current bills.
- Students also gained the overall knowledge on Electrical energy scenario of Nation and World. To Know the different types of bulbs
- Students and Consumers got benefited financially by using power saving technics.


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COMMUNITY SERVICE PROJECT REPORT ON AWARENESS ON POWER SAVING



BY

M.Santhosh (2022076052028)

CLASS: I B. Sc , SEMISTER: II

BATCH: 2020-23

**Submitted in partial fulfilment of the requirement for the
award of Degree of B. Sc (2021-22)**

**Under the Supervision of
Sri P.S. Jaggarao , Lecturer in Physics**



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YELLAMANCHILI - 531055, ANDHRA PRADESH



CERTIFICATE BY THE GUIDE

This is to certify that the contents of this report entitled “Awareness on Power Saving ” by **M.Santhosh** submitted to SGA Govt. degree college, Yellamanchili for the Award of Bachelor of Science Degree (Semester - II) is original research work carried out under my supervision.

This report has not been submitted either partly or fully to any other University or Institute for award of any degree or diploma.

Date:


Lecturer in Physics
SGA GDC
YELLAMANCHILI



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DECLARATION

I hereby declare that the Project report titled Awareness on Power Saving is my original done under supervision of Sri. P S. Jaggarao Lecturer in Physics Head of the Department of Physics, SGA GDC, Yellamanchili. This has been undertaken for the purpose of partial fulfillment of B. Sc (SEMESTER- II) at the Govt. Degree College Yellamanchili.

M. Santhosh

M.Santhosh

721135405069

B. Sc: Semester – II

Batch: 2021 - 22



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PREFACE

This project report attempts to bring under one cover the entire hard work and dedication put in by me in the completion of the project work on “Awareness on Power Saving”

I have expressed my experiences in my own simple way. I hope who goes through it will find it interesting and worth reading. All constructive feedback is cordially invited.

M. Santhosh

M.Santhosh

721135405069

B. Sc: Semester – II

Batch: 2021 – 22



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ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher Sri.P S.Jaggarao who gave me the golden opportunity to do this wonderful project on the topic “Awareness on Power Saving”, which is also helped me in doing a lot of Research and I came to know about so many new things I am really thankful to him.

Secondly I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame.

M. Santhosh

M.Santhosh

721135405069

B. Sc: Semester – II

Batch: 2021 – 22



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Status of Awareness on Power Saving

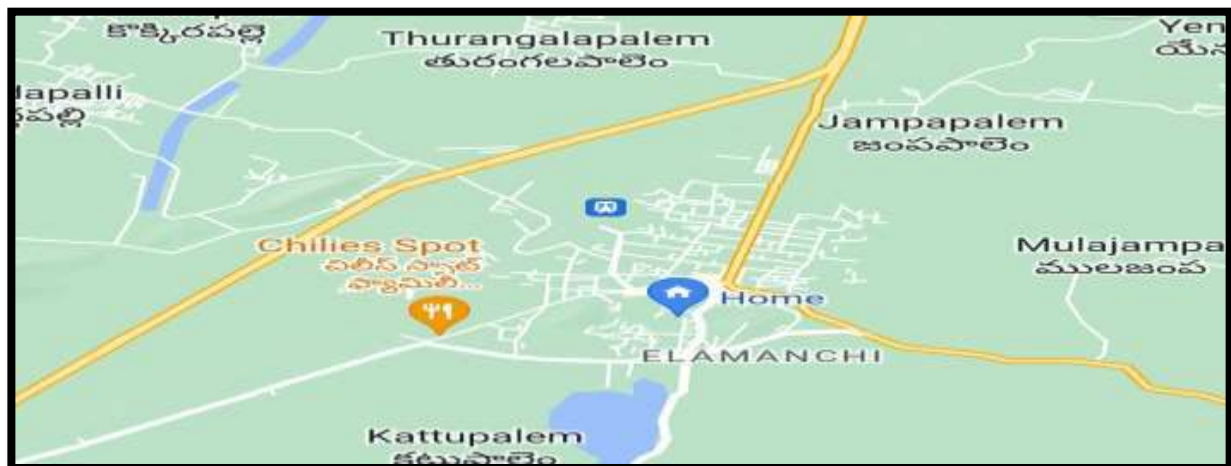
Part-A - About the Village

My village is a place that I wish to stay in my holidays whenever I feel tired and want to relax. In my village all the peoples have the power connection to their houses. Around more than 100% of people using the mobiles and also more than 40% of people have house hold type bores and some of them have the agriculture bores. All the people using electronic gadgets like “FANS , REFRIDGERATORS , TELEVISIONS”. Around more than 10% of peoples using computers . At present all the people using “L.E.D Bulbs, more than 50% of the people using Washing Machines.

ACCORDING TO MY SURVEY ALL THE PEOPLE LIKE TO USE ELECTRONIC DEVICES IN THERE HOUSES

Scope of the Village

YELLAMANCHILI VILLAGE





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Abstract of Socio-economic Survey

- ☐ 25 families are surveyed by each student in the socio-economic survey in Yellamanchili village.

Social Status of family details:

- ☐ (i) Caste: SC-21, ST-00, BC-A- 00, BC-B -03, BC-C-15, BC-D-03, OC-08
- ☐ Religion : Hindus-50
- ☐ Number of males – 76, Females- 73
- ☐ Number of literates: 119 , Number of illiterates- 30
- ☐ Number of graduates- 20
- ☐ Number of Job holders-00

2. Economic Status of the sample households

- ☐ Category of Houses : Huts- 02, Semi Pucca- 48, Pucca -00, Apartment- 00, Bungalow- 00
- ☐ Own houses- 45, Rentd- 05
- ☐ Source of Drinking Water Govt. taps – 2, Own taps- 25
- ☐ Houses having own toilet - 50
- ☐ No. of Ration Card holders - 50
- ☐ Number of houses having vehicles Two wheelers- 32, Auto- 01
- ☐ Average monthly earnings of the household Rs. 9014/-

3. Other details

- ☐ No. of Families having TVs - 45
- ☐ No. of Families having Mobiles- 40
- ☐ No. of Families having Laptop/computers- 2
- ☐ No. of Families having internet: 40 (Mobile data)



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AWARENESS ON POWER SAVING

5 Energy Saving Tips

In this day and age, where sources of energy are becoming scarce and more expensive commodities, it is our responsibility to protect the environment by looking for ways to save and reduce energy consumption. But with the booming tech industry it is even more difficult to do so since most electric appliances and gadgets require a massive amount of energy to function.

So to minimize the price you pay for energy consumption and conserving resources, here are 5 easy tips on how to save energy:



REPLACE INCANDESCENT LIGHTS WITH LED LIGHT BULBS

Lighting accounts for about 11% an average household's energy consumption. Light Emitting Diode (LED) light bulbs use 70-90% less energy and last 10 times longer.



CHANGE THE WAY YOU LAUNDER YOUR CLOTHES

Reduce the use of washing machines as much as possible. If you have time, hand-wash your clothes instead of just tossing them into the washer and plugging it in. Wring and air-dry your clothes when the sun is up to avoid using the dryer.



ELECTRICAL LIGHTING TO DAYLIGHTING

Brighten up your home with natural light by incorporating skylights, light shelves, clerestory windows and light tubes to minimize use of electric lighting during the day.



PATRONIZE ENERGY-SAVING APPLIANCES AND ELECTRONICS

Electronics and appliances use up approximately 20% of your energy bills so make sure to only purchase electric appliances that are energy efficient such as the TCL 55" B3700 which makes



COOK SMART

You might not realize it but cooking with certain types of cooking appliances wastes a lot of energy. Try using convection and microwave ovens rather than conventional ovens as these save about 80% more energy. When whipping up

[illegible]

February month current bill of Sri. P. Appa Rao and March month current bill of Sri. CH. Rama Rao.

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P. Chidambaram
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Socio-economic survey conducted by M. Sri kanth, M. Harika, M. Sai of I B.Sc at Yellamanchili.


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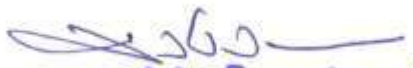
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Socio-economic survey conducted by M. Sri kanth, M. Santhosh, M. Mani kanta, M. Sai of I B.Sc at Yellamanchili.


Head of the Department:
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Yellamanchili-531055
ANAKAPALLI District


Principal
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Yellamanchili-531 055
Anakapalli District. (A.P.)

SGA GOVERNMENT DEGREE COLLEGEYELLAMANCHILI.
DEPARTMENT OF PHYSICS
COMMUNITYSERVICEPROGRAMME

Preliminary survey on Socio-economic conditions of the habitation

Name of the Student : *M. Santhosh*

Group : *Ist M.P.G.S*

Registration Number : *721135405069*

House No.	<i>7-15-9</i>	Habitat		Panchayat	
Post office	<i>Yellamanchili</i>	Mandal	<i>Yellamanchili</i>	District	<i>Arakapali</i>

1. Family Details:

S.N.	Name of the family Member (In the first row fill the details of the head of the family)	Sex M/F	Age	Marital status	Education	Employ/ Unemployed
i	<i>P. Lakshmi</i>	<i>F</i>	<i>50</i>	<i>married</i>	<i>-</i>	<i>-</i>
ii	<i>P. Ratnam</i>	<i>F</i>	<i>25</i>	<i>-</i>	<i>-</i>	<i>-</i>
iii	<i>P. Devi</i>	<i>F</i>	<i>20</i>	<i>-</i>	<i>degree</i>	<i>-</i>
iv	<i>P. Poorna</i>	<i>M</i>	<i>21</i>	<i>-</i>	<i>degree</i>	<i>-</i>
v						
vi						

2. Social Status Details:

A. Type of family : a. Joint ☒ b. Nuclear ☒

B. Caste: a. SC ☒ b. ST ☐ c. BC ☐ d. EBC ☐ e. Minority ☐ f. OC ☐

C. Religion: *Hindu*

3. Economic Status Details:

A. Occupation a. Farmer ☐ b. Agriculture Labour ☒

c. Govt/private employs ☒ d. Unemployed ☐ e. others : _____

B. Type of house. a. Thatched ☒ b. Tiled c. Slab d. Govt.,schemed ☒ e. others _____

C. Nature of house: a. Own ☒ b. Rented ☐

D. Availability of Agricultural Land: Yes/No ☒

E. Extent of Agricultural Land: _____ acres _____ cents.

F. Name of cultured crops: Paddy/Sugars cane/Vegetables/Flowers/Any other

G. Cattle _____ Cows _____ Oxen _____ Buffaloes _____ Sheep _____ Goat _____ chicken _____

H. Do you have own toilet : Yes/No ☒

I. Type of Cooking fuel Used: Wood/LPG/Kerosene/Gobergas/others ☒

J. Is any family member part of DWACRA Group: Yes/No ☒

K. Do you have white/pink Ration card: Yes/No ☒

L. Do you have Adhaar card : Yes/No ☒

M. Do you have Arogyasri Card : Yes/No ☒

N. Do you have PMJAY (Pradhana Mantri Jana Arogya Yojana) card : Yes/No ☒

O. Do you have vehicle : 2wheeler/Auto/Car/Tractor/Other ☒

P. Drinking water facility : Community tap/Hand pump/Pond/well/Other ☒

4. Name of the Govt. Schemes received:

- 1) _____ 2) _____
3) _____ 4) _____

5. Any 2 problems faced by the villagers

- 1 Animal Peces .
2 _____

Place: Elamanchili

Date: 25/05/2022

Signature of the Mentor

M. Santhosh.
Signature of the Student

SGA GOVERNMENT DEGREE COLLEGE YELLAMANCHILI.

**DEPARTMENT OF PHYSICS
COMMUNITY SERVICE PROJECT
AWARENESS ON POWER SAVING**

Name of the Student : M. Santhosh
Group : IS-MPCS
Registration Number : 721135405069

House No.	<u>7-15-9</u>	Habitat		Panchayat	
Post office	<u>Yellamanchili</u>	Mandal	<u>Yellamanchili</u>	District	<u>Araku</u>

1. What type of power connection

- a. Single phase ☒ b. Three phase

2. Electric motor pump type

- a. House hold b. Agriculture type

3. Type of bulb used

- a. Incandescent 1 b. CFL _____ c. LED 2
d. Tube light 1 e. LED tube light _____

4. Electrical devices used

- a. Fans ☒ 2 b. Refrigerator ☒ c. Air conditioner d. Air cooler
e. Washing machine ☒ f. Mixer ☒ g. Heater h. cooker ☒
i. Microwave oven j. Juicer k. Geisure l. Iron box ☒
m. Electric motor cycle/car

5. Electronic devices used

- a. TV ☒ b. Mobile ☒ 3 c. Computer
d. Laptop e. Tab f. Radio/FM g. Tape recorder
h. VIFI

6. How much paying monthly current Bill 1600

Signature of the mentor

M. Santhosh
Signature of the Student



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YELLAMANCHILI - 531055, ANDHRA PRADESH




Sri Ch. Vijaya Kumar

**Lecturer in Mathematics and Mentor of I MPC Students (1-20)
(Admitted 2021-2022)**

S.No	RegNo	STUDENT NAME	MOBILENO	PROJECT ASSIGNED
1	721135405001	AKKAPU SURYA PRASAD	7396831107	Water sources and drinking water availability
2	721135405002	ANAPARTHI LAKSHMI LAVANYA	9494445391	Water sources and drinking water availability
3	721135405003	BACHALA VARSHA SRI	8106218128	Water sources and drinking water availability
4	721135405004	BADDI RADHA	9505497455	Water sources and drinking water availability
5	721135405005	BANGARU BHANU	9490041664	Water sources and drinking water availability
6	721135405006	BENDHADI KARUNA KUMAR	9390004969	Water sources and drinking water availability
7	721135405007	BODDAPU SIRISHA	7995679245	Water sources and drinking water availability
8	721135405008	CHANDAKA DEVI	9603202293	Water sources and drinking water availability
9	721135405009	CHENNA RAJYALAKSHMI	9951774725	Water sources and drinking water availability
10	721135405010	CHODIPILLI CHITTI	8978847645	Water sources and drinking water availability

11	721135405011	DAMMU PRASAD	7075215583	Water sources and drinking water availability
12	721135405012	DHULI BALAVEERAMANI	9014088419	Water sources and drinking water availability
13	721135405013	DUBAKULA DIVYA RANI	8096182377	Water sources and drinking water availability
14	721135405014	DWARAPUREDDY RUPAVATHI	9247633888	Water sources and drinking water availability
15	721135405015	GOLAGANI NAGESWARARAO	9908966354	Water sources and drinking water availability
16	721135405016	GUDALA AKHIL	7032011823	Water sources and drinking water availability
17	721135405017	KAPPALA VENKATA NAGESWARI	7680084048	Water sources and drinking water availability
18	721135405018	KASALA NAGESH	7671990082	Water sources and drinking water availability
19	721135405019	KASIMKOTA PRASAD	7075762065	Water sources and drinking water availability
20	721135405020	KEDARISETTI VARALAKSHMI	9985532969	Water sources and drinking water availability


 Head of the Department
 Department of Mathematics
 S.G.A. Govt. Degree College
 Yellamanchili-531055

**SIGNATURE OF THE MENTOR
PRINCIPAL**


 Principal
 S.G.A. Govt. Degree College
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 Visakhapatnam District

SIGNATURE OF THE



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YELLAMANCHILI - 531055, ANDHRA PRADESH



OBJECTIVES

- The primary purpose of Drinking Water Objectives is to protect public population.
- Department endeavors to provide safe drinking water and sanitation facilities to rural habitations on sustainable basis.
- Supply and securing of clean and sufficient drinking water for the population.
- Improvement of physical health (supported by clean drinking water, access to sanitation, improved nourishment).
- Improve water supply reliability and quality.
- Protect and improve watershed health and function and Bay water quality.
- To involve rural community in planning and execution of rural water supply schemes and to make the community capable of operation & maintenance of schemes on their own.
- To ensure permanent drinking water security in rural areas.



(Objectives of Water Management)

METHODOLOGY

The proportion of population using safely managed drinking water services. A safely managed service is defined as an improved drinking water source that is accessible on the premises, available when needed, and free of fecal and priority chemical contamination. Improved water sources include piped water, bore holes or tube wells, protected dug wells, protected springs and packaged or delivered water.

The methodology from water distribution system reliability computes model and system reliabilities using Monte Carlo simulation. The methodology for the reliability analysis of pumping systems is based upon a frequency and duration analysis procedure that can consider both mechanical failures and hydraulic failure.

Water Treatment:

How Water Treatment Plants Make Water Safe:

Public drinking water systems use different water treatment methods to provide safe drinking water for their communities. Public water systems often use a series of water treatment steps that include coagulation, flocculation, sedimentation, filtration, and disinfection.





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PROBLEMS IDENTIFIED

Water Supply Problems: **RESOURCE DEPLETION**

Depletion of water means scarcity of water which means that there is a lack of water. Water scarcity is the lack of sufficient available freshwater

Resources to meet water demand. It affects every continent. It is manifested by partial or no satisfaction of expressed demand, economic competition for water quantity or quality, disputes between users, irreversible depletion of groundwater, And negative impacts on the environment.

Half of the largest cities in the world experience a scarcity of water.

The two main causes of Depletion of Water Table are

1) Deforestation and 2) Over-pumping of groundwater



Awareness on drinking water topic:

Our group visited a village accompanied by my our mentor

Ch. Vijay kumar sir H. O. D of mathematics

and aware the people about drinking Water.

And suggest some methods to them .





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SGA GOVT DEGREE COLLEGE

COMMUNITY SERVICE
PROJECT



DWATER, FACILITY AND DRINKING WATER AVAILABILITY

DO YOU KNOW?

- Less than 50% of the population in India has access to safely managed drinking water.
- India holds about 4% of global freshwater and 16% of its population.

IMPORTANCE OF WATER

- "WE NEVER KNOW THE WORTH OF WATER
TILL THE WELL IS DRY"



SUMMARY

Sustainable development for universal and equitable access to safe and affordable drinking water. The target is tracked with the indicator of "safely managed drinking water services" – drinking water from an improved water source.

- Educate to change consumption and life styles.
- Invent new water conservation technologies.
- Recycle waste water.
- Improve irrigation and agricultural practices.
- Appropriately price water.
- Develop energy efficient desalination plants.
- Improve water catchment and harvesting.



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CERTIFICATE BY THE GUIDE

This is to certify that the contents of this report entitled "Water facility and drinking Water availability" by Ch. Devi submitted to Govt.degree college, Yellamanchili for the award of Bachelor of Science Degree (Semester-II) is original research work carried out under my supervision.

This report has not been submitted either partly or fully to any other University Or Institute for award of any degree or diploma


Date:

Ch. Vijay kumar.

Lecturer in mathematics

Govt. Degree college

Yellamanchili


Head of the Department
Department of Mathematics
S.G.A. Govt. Degree College
Yellamanchili-531055

Signature of the mentor



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DEPARMENT OF ECONOMICS

COMMUNITY SERVICE PROJECT (CSP) REPORT

Names of the students enrolled for CSP under guidance of SRI B.Venkata Ramana, Lecturer in Economics for the Academic Year 2021-22.

B.A. II SEMESTER

S.No.	Name of the Student	Hall ticket	Name of the Project Assigned
P	Allam Lakshmi	121135401001	
2	A. S. Satya Kumari	121135401002	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
3	Arjilli Nooka Raju	121135401003	Village development Planning
4	Bangaru Venu	121135401004	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
5	Batthina Kusuma	121135401005	Village development Planning
6	Pendurthi Prasad	121135401006	Village development Planning
7	Boddapu Tejarupini	121135401007	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
8	Dondaparthi Nani	121135401008	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
9	G. Vijaya	121135401009	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
10	G. Nukaratnam	121135401010	Village development Planning
11	Jajala Guna Sekhar	121135401011	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
12	M.D.N.S.Suryalaxmi	121135401012	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
13	M.Hemanth	121135401013	Village development Planning
14	Mylapalli Srinu	121135401014	Village development Planning
15	P. Vinay kumar	121135401015	Village development Planning
16	Podugu Ramesh	121135401016	Assess the Levels of Knowledge about Health Care programmes



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			implementing in the yerravaram ward of yellamanchili municipality
17	Thanthara Rajesh	121135401017	Village development Planning
18	V. Manikumarreddy	121135401018	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
19	Veesam Durga Sree	121135401019	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
20	Vesam Hemalatha	121135401020	Assess the Levels of Knowledge about Health Care programmes implementing in the yerravaram ward of yellamanchili municipality
21	Y. Saidurga	121135401021	Village development Planning

Objectives of the Project:

1. To study the Socio-Economic conditions in the study area
2. To assess the level of knowledge regarding health care Programmes implementing by the Government in the study area
3. To create awareness among the people about knowledge on the health care programmes Implementing in the study area
4. To make people aware how to utilize of health programmes /schemes and also aware them to Prevent the chronic & other diseases identified in the study area

Methodology:

The data for the study were collected Primary sources as per the details given below.

primary source has been conducted to find out socio-economic status and levels of knowledge of sample households in the study area. The researcher adopted purposive random sample technique. A structured questionnaire was designed for collect the data from the households. The researcher randomly selected households in yerravaram municipal ward of yellamanchili in Anakapalli district. Conducted socio-economic survey and organised community awareness programme regarding the problems identified during the socio-economic survey and solutions to the problem was discussed. Later on project work undertaken related to assess the levels of knowledge about Health Care programmes implementing in the study area. The researcher randomly selected households from Yerravaram ward and collected data related to health programmes by using structured questionnaire.



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Outcome/result

1. Extended knowledge on random sample collection
2. Students Got adequate knowledge on various health programmes implementing in Andhrapradesh
3. Acquired knowledge on implementing levels of health care programmes in their study area
4. Attained knowledge on report writing
5. Developed knowledge on campaigning and improved ability to communicate with other people

COMMUNITY SERVICE PROJECT (CSP) REPORT

DEPARTMENT OF ECOOMICS-BA (HERI)

Assess the Levels of Knowledge about Health Care programmes

Implementing in the yerravaram ward of yellamanchili municipality of AP

PILOT SURVEY CONDUCTED UNDER GUIDANCE OF B.VENKATA FRAMANA LECTERER IN ECONOMICS





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COVER PAGE:





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CERTIFICATE



SRI GURAJADA APPA RAO GOVERNMENT DEGREE COLLEGE

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DEPARTMENT OF ECONOMICS

This is to certify that this is a bonafide Community Project work entitled "**Assessment of the Level Knowledge about Health care Programmes** implementing in Yerravaram Ward of Yellamanchili Municipality" done by of M.D.N.S.S Lalkshmi I B.A class with Regd. No. 121135401012 during the academic year 2021-22.


Mentor

Lecturer
Dept. of Economics & RI
SGA Govt. Degree College
Yellamanchili - 531 055



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Acknowledgement



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I would like to express my special thanks of gratitude to our principal Sir Dr.P.Chandra Sekhar sir who always encouraged us in this project. I would also like to thank my lecturer and guide B.Venkata Ramana, who gave me the golden opportunity to do this wonderful project on the topic "**Assessment of the Level of Knowledge about Health care Programmes** implementing in Yerravaram Ward of Yellamanchili Municipality" and for guidance in this project. This project helped me in doing research on level of understanding about health care programmes implementing in my study ward and I came to know about so many people not having proper knowledge on health care programmes implementing by our state and Central Governments. I am really thankful to them. Secondly, I would also like to thank my relative/friend M.HEMANTH Bother who helped me a lot in finalising this project within the limited time frame

Date: 14-08-2022

M.D.N.S.S. LAKSHMI
M.D.N.S.S LAKSHMI

Lecturer
Dept. of Economics & RI
SGA Govt. Degree College
Yellamanchili - 531 055



Introduction:

Introduction :-

- * it is health that is rural wealth and not pieces of gold and silver - MAHATMA GANDHI
 - * good health is a crown on the head of a person that only sick person can see. - Robin Sharma.
 - * prevention is better than cure - Desiderius Erasmus
- health care is the improvement health through precaution diagnosis, treatment, amelioration, or cure of disease, illness, injury, and mental impairments in people. health care is delivered by health care may vary across countries, communities, and individuals influenced by social and economic conditions as well as health policies, providing health care services mean at that the timely use an efficient health care system can contribute to a significant part of a country's economy. development and industrialization health care is regarded as an important determinant in promoting the general physical and mental health and well-being of people around the world of personal health services to achieve the best possible health outcomes (WIKIPEIDIA)



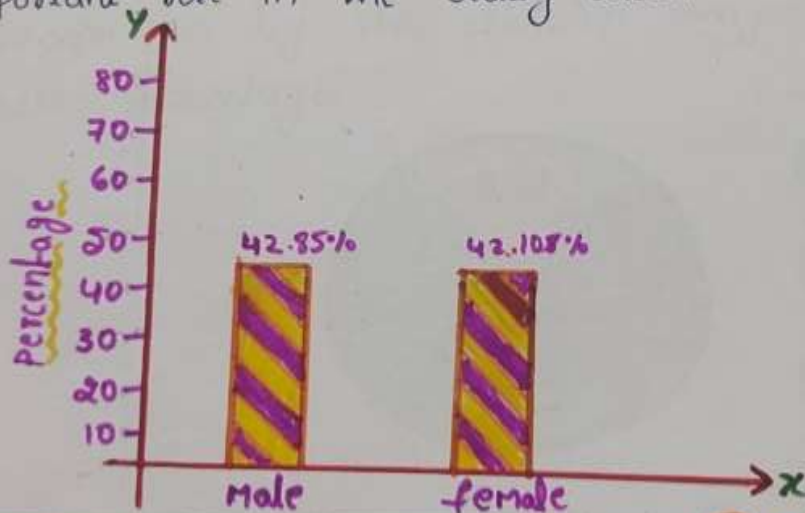
GENDER

Gender wise distributing of house holds -As per the gender.

Table:-1.1

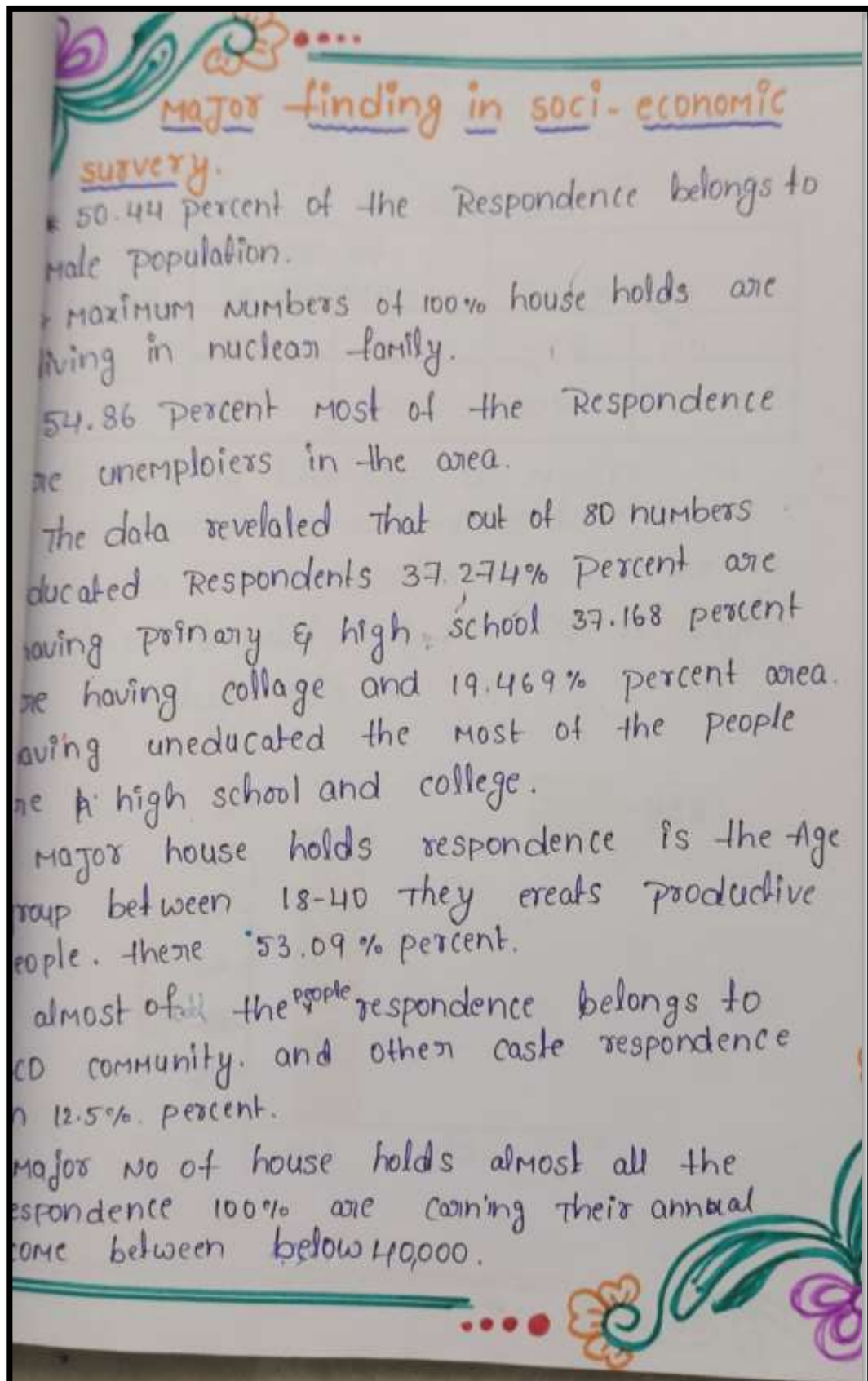
S.NO	Gender	NO of Response	Total and Percentage
1.	male	57	50.4424%
2.	female	55	49.5575%

The data in the table reveals 50.44% of family members belongs to male where as female work 49.55% it indicates that female population is lawgher than male population in my study area so females are playing important role in the study area.





FINDINGS OF THE STUDY





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DATA COLLECTING M.DURGA SAI





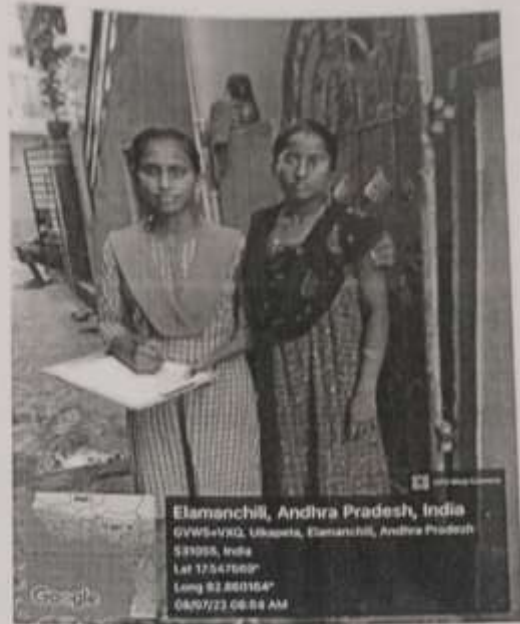
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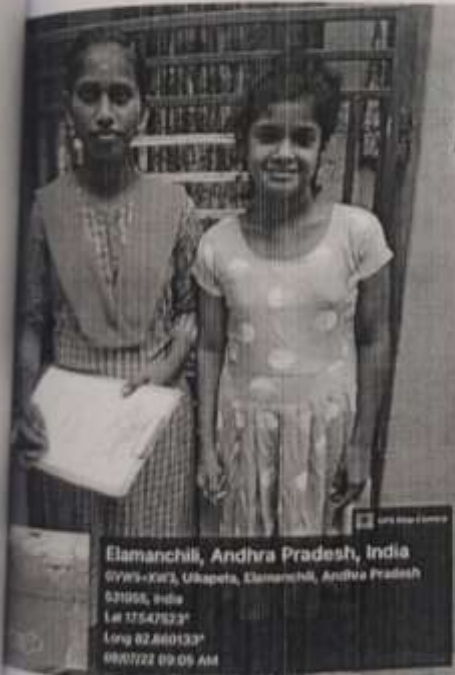
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Elamanchili, Andhra Pradesh, India
GVWS+VXQ, Ulkapeta, Elamanchili, Andhra Pradesh
531055, India
Lat 17.547623°
Long 82.860133°
08/07/22 09:02 AM



Elamanchili, Andhra Pradesh, India
GVWS+VXQ, Ulkapeta, Elamanchili, Andhra Pradesh
531055, India
Lat 17.547609°
Long 82.860164°
08/07/22 08:58 AM



Elamanchili, Andhra Pradesh, India
GVWS+VXQ, Ulkapeta, Elamanchili, Andhra Pradesh
531055, India
Lat 17.547623°
Long 82.860133°
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Elamanchili, Andhra Pradesh, India
GVWS+VXQ, Ulkapeta, Elamanchili, Andhra Pradesh
531055, India
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YELLAMANCHILI - 531055, ANDHRA PRADESH



CSP-QUESTIONNAIRE

SGA GOVERNMENT DEGREE COLLEGE YELLAMANCHILI
Community Service Project
Department of Economics

Socio - Economic Survey of Yellamanchili Municipality in Yerravaram Ward
Group: I BA (HERI) Reg. No: _____

Name of the student: _____
Name of the District: Anakapalli
Name of the Mandal: Yellamanchili
Name of the Ward: - Yerravaram
Street: _____
House No: _____

1. Family profile:

S.N	Name of the family Member (first fill the details of the head of the family)	Sex M/F	Age	Marital status	Education	Employ/ Unemployed
i	Dhadi. Satish	M	36	M	7 th	Employ-labour
ii	D. Bhagya	F	32	M	7 th	unemployed
iii	D. Likitha	F	13	Un	9 th	unemployed
iv						
v						
vi						

(Tick mark (✓) against wherever necessary)

2. Type of family: a. Joint ☒ nuclear
3. Religion ☒ Hindu b. Muslim c. Christian d. Others

4. Caste: a. SC b. ST ☒ BC. d. Others

5. Occupation a. Farmer b. Agriculture Labour c. Govt/private employ d. Unemployed ☒ others labour

6. Land ownership Status: a. below 2 Acres b. 2 to 5 Acres c. 5 Acres above NO

7. Live Stock Rearing a. Poultry b. Cows c. Buffalos d. Sheep e. Goat f. Others NO

8. Annual income of the Family ☒ below 40,000 b. 41000-80,000 c. 81000-100000 d. 1 lakh above

9. Type of house. a. Thatched b. Tiled ☒ Slab d. others

10. Nature of house ☒ Own b. Rented

11. Type of Fuel use: ☒ Cooking Gas b. Gobar Gas c. Wood d. Others

12. Facilities at house: a. Toilet ☒ Bath room ☒ T.V. ☒ Mobile Phone ☒ Fridge f. Furniture etc.

13. Drinking water Facility a. Well b. Hand Pump ☒ Community tap ☒ others

14. Are you Job Card Holder in MGNREGS ☒ Yes/No

15. Are your family member part in DWACRA ☒ Yes/No

16. Are the hospital facility available ☒ Yes/No

17. Do have vehicle a. Cycle ☒ Bike c. Auto d. Car D. others ☒ Yes/No

18. Are you White Card Holder? ☒ Yes/No

19. Are your family benefitted from Government Schemes (State/Central Govt). ☒ Yes/No

20. How many govt. schemes benefitted by your family one

21. If yes name the schemes you (family) have benefitted-
jagananna Ammavodi/Chedodu/ Thodu/Vasathi Deevana/Vidya Deevana/
Vidya kanuka/YSR Cheyuta/Bima/Ryothu Bhrosa/vahana Mitra/illa Pattal/Adhrsamu

22. How much monetary benefit benefitted from all Govt. Schemes Rs. ₹ 15,000

Signature of the Mentor _____
Signature of the Student M.D.N. S.S. Lakshmi



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SGA GOVERNMENT DEGREE COLLEGE YELLAMANCHILI

Community Service Project

Department of Economics

Status of Implementation of Health Care Programmes in the Yerravaram Ward of Yellamanchili

Name of the student:

Group: I BA (HERI) Reg. No:

Name of the District: Anakapalli

Name of the Ward: Yerravaram

Name of the Mandal: Yellamanchili

Street:

House No

II. Health Programmes and their Implementation Status:

1. Is Asha Activist Available on 24 hours in your area? Yes / No ✓
2. Given Hepatitis 'B' Vaccination to your Child (Child Health & Immunization) Yes / No ✓
3. Is Completed three of 'Penta' Vaccination to your Baby (CH&IP) Yes / No ✓
4. Did your Daughter Delivery at Hospital Yes / No ✓
5. Did It Private Or Government Hospital Govt./Pvt. ✓
6. Does your Daughter/Son Suffering From Anemia (CH&IP) Yes / No ✓
7. Is Anganwadi Supplying Vitamin 'A' tablets to your Child Yes / No ✓
8. Does your Childs Suffering Any Health Problem or Disability (RBSK) Yes / No ✓
9. If Yes Mention the Problem _____
10. Whether the Health Problem Cure? Yes / No ✓
11. Did you get Arogyasree Card. Yes / No ✓
12. Is The Govt. Taken Any Steps to Cure the Problem Yes / No ✓
13. Did your Daughter/Son Married below 18 Years (RKSK) Yes / No ✓
14. Did your Daughter Faces Any Maternal Problem (RKSK) Yes / No ✓
15. Is Any One of your Family Member Suffering From 'TB' (RNTCP) Yes / No ✓
16. If Suffering From 'TB' any Treatment Provided By The Govt. Yes / No ✓
17. Does any one of your Family Member Having White Dots on Skin (NLEP) Yes / No ✓
18. If Yes Health Worker (MPHW) Visited your Home Yes / No ✓
19. Is your Daughter/Son Suffering Eye Related Problem (NPCB) Yes / No ✓
20. If Yes Status of Treatment/Govt Action Yes / No ✓
21. Did Any Body Had Maternal Mortality in your Home (MHP) Yes / No ✓
22. Does your Family Use Iodine Salt (NIDDCP) Yes / No ✓
23. Does your Family Member Suffering From Goiter/Thyroid Yes / No ✓
24. Does your Family Member Suffering From Florosis/Florde (NPPCF) Yes / No ✓
25. Does Any Suffering from Cancer, Diabetes, Cardiovascular Diseases (NPCDCS) Yes / No ✓
26. If Yes Status of Treatment or action taken By the Govt. Yes / No ✓
27. Does any Health Care Steps taken for Old Age People (NPHCE) Yes / No ✓
28. Does your Family Member Taking Tobacco (NTCP) Yes / No ✓
29. Does the Govt. Conducted Any Awareness programme to Prevent Tobacco use (NTCP) Yes / No ✓
30. Does the Govt. Conducted Any Programmes for Controlling Vector Born Diseases NVBDCP Yes / No ✓
31. Do You Know Health Care ATM's Yes / No ✓
32. Does the Anganwadi Centre functioning well in your area Yes / No ✓
33. Are Any other Govt./Pvt. Health Programmes utilized by your family 1. NO
2. NO
3. NO
4. NO
5. NO

Signature of the Mentor

M.D.N.S.S. Lakshmi
Signature of the Student



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DEPARTMENT OF PHYSICS

COMMUNITY SERVICE PROJECT (CSP) REPORT

NAMES OF STUDENTS ENROLLED FOR CSP UNDER GUIDANCE OF SRI K VENKANNA, LECTURER IN PHYSICS FOR THE ACADEMIC YEAR 2021-22.

S.NO	NAME OF THE STUDENT	REGISTER NO	CLASS
1.	MAMIDI RUPA	720135405051	II-B.Sc (MPCs)
2.	N B K D LAKSHMI DEVI	720135405055	II-B.Sc (MPCs)
3.	SIRASAPALLI GANESRISAI	720135405062	II-B.Sc (MPCs)
4.	VANTAKULA RAMA LAKSHMI	720135405066	II-B.Sc (MPCs)
5.	YENUKUNTI NAGA DURGA	720135405068	II-B.Sc (MPCs)


Head of the Department
Department of Physics
S.G.A. Govt. Degree College
Yellamanchili-531055
ANAKAPALLI District


Principal
S.G.A. Govt. Degree College
Yellamanchili-531 055
Anakapalli District. (A.P.)



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DEPARTMENT OF PHYSICS


COMMUNITY SERVICE PROJECT (CSP) REPORT

CERTIFICATE

This is to certify that the community service project work entitled “**STRESS MANAGEMENT TECHNIQUES FOR RURAL PEOPLE**” is a bonafide work done by the following group of students and submitted for evaluation during August, 2022 under the supervision of Sri K VENKANNA, Lecturer in Physics.

S.NO	NAME OF THE STUDENT	REGISTER NO	CLASS
1.	MAMIDI RUPA	720135405051	II-B.Sc (MPCs)
2.	N B K D LAKSHMI DEVI	720135405055	II-B.Sc (MPCs)
3.	SIRASAPALLI GANESRISAI	720135405062	II-B.Sc (MPCs)
4.	VANTAKULA RAMA LAKSHMI	720135405066	II-B.Sc (MPCs)
5.	YENUKUNTI NAGA DURGA	720135405068	II-B.Sc (MPCs)


Head of the Department
Department of Physics
S.G.A. Govt. Degree College
Yellamanchili-531055
ANAKAPALLI District


Principal
S.G.A. Govt. Degree College
Yellamanchili-531 055
Anakapalli District. (A.P.)



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DEPARTMENT OF PHYSICS

COMMUNITY SERVICE PROJECT (CSP) REPORT

PROJECT NAME: “STRESS MANAGEMENT TECHNIQUES FOR RURAL PEOPLE”

Objectives:

- To Know the process of Random sample collection for mapping data of particular village
- To become as a guide in the field of stress management
- To Know how to execute a project for a specified group of people
- To realize the uses of stress management techniques
- To Know how to create to create a healthy society
- To get grip on literature survey and drafting skills
- To develop campaigning skills and inter-personal skills

Methodology:

- We the group of 6 Students independently reviewed the literature and collected the information
- We the II B.Sc (MPCs) students carried out the Project entitled “Stress management techniques for rural people” by Project Method.
- In First step we conducted socio - economic survey to know the stress level distribution
- In second step we designed the poster
- In third step we had created a awareness among the people regarding our project
- In fourth step we executed the project i.e various stress management techniques are imparted to our targeted group using training method.
- We have written our manuscript and handed over to our mentor for evaluation.

Outcome / Result:

- Gained the knowledge on random sample collection
- Gained the mentoring level knowledge on stress management
- Gained the knowledge regarding execution of project
- We ourselves realized the importance of stress management techniques
- Got thorough knowledge on literature survey and drafting skills
- Developed the campaigning and inter-personal skills.



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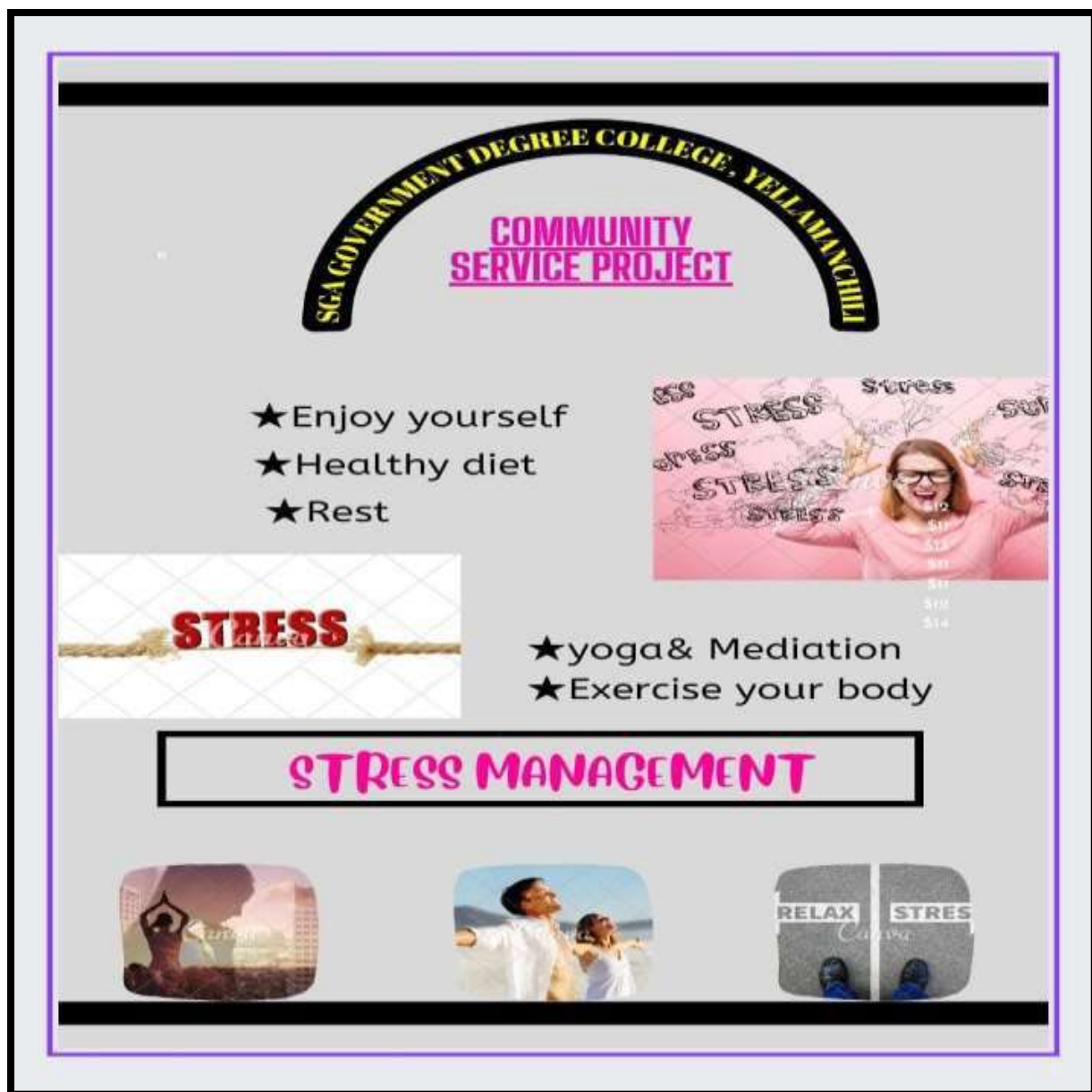
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Poster presented by student group at targeted location on “stress management techniques”



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Socio- economic survey conducted by the student named Y NAGA DURGA II-B.Sc (MPCs) to her targeted group of people.



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Socio- economic survey conducted by the student named N B K D LAKSHMI DEVI II-B.Sc (MPCs) to her targeted group of people



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COMMUNITY SERVICE PROJECT (CSP) REPORT



Poster presentation and execution by Y NAGA DURGA II-B.Sc (MPCs) to her targeted group of people



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COMMUNITY SERVICE PROJECT (CSP) REPORT



Poster presentation and execution by M RUPA II-B.Sc (MPCs) to her targeted group of people



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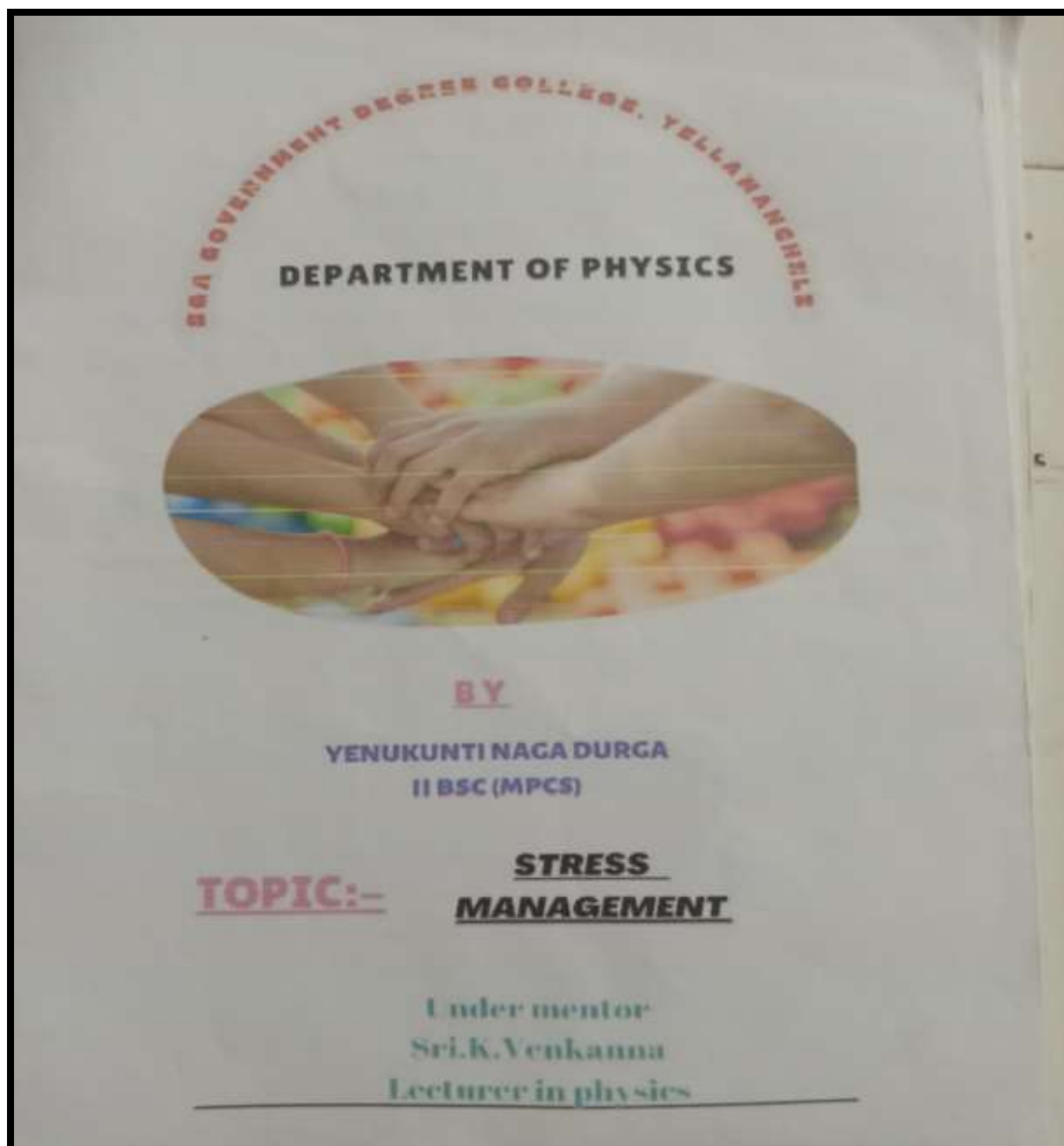
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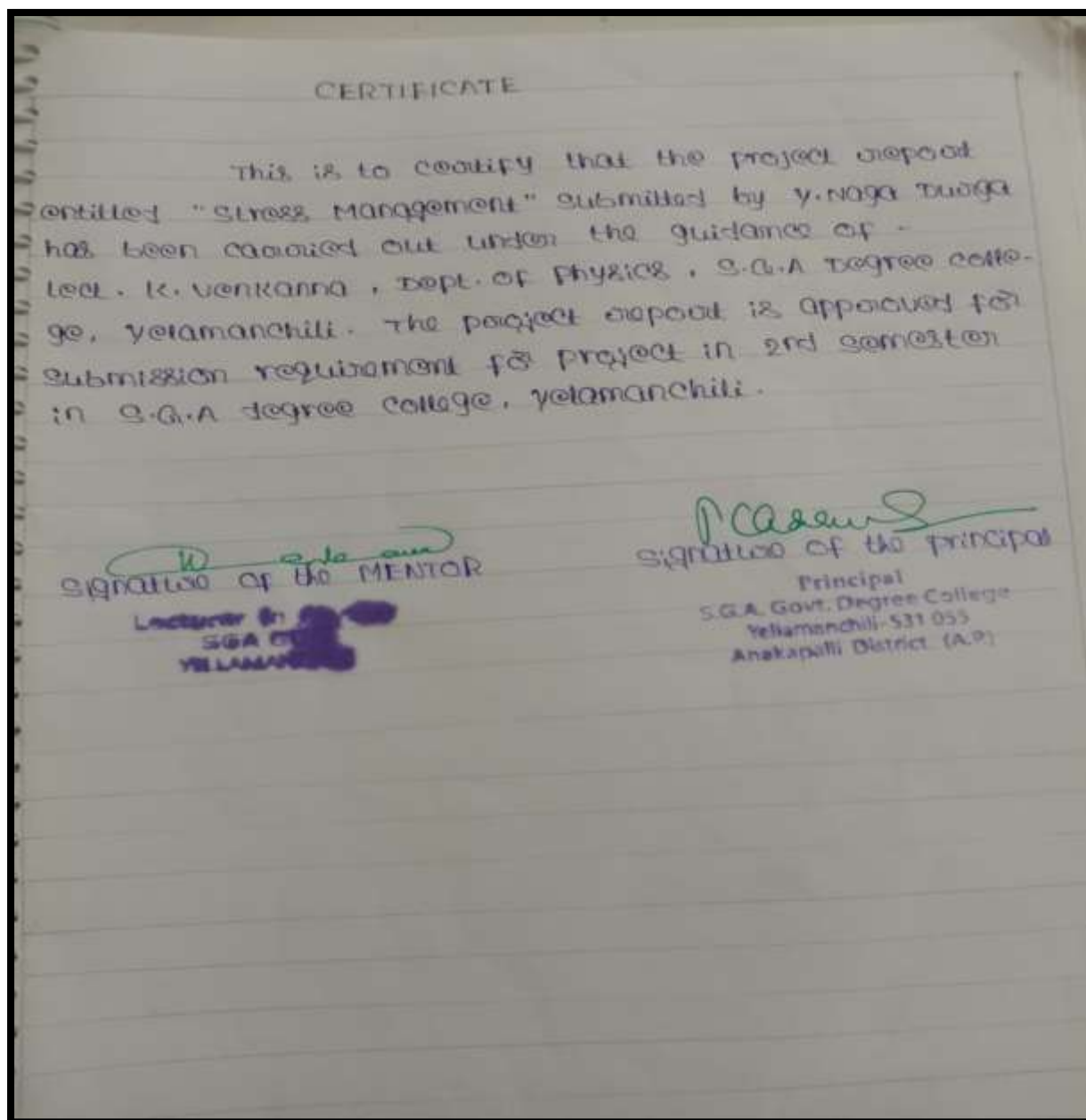
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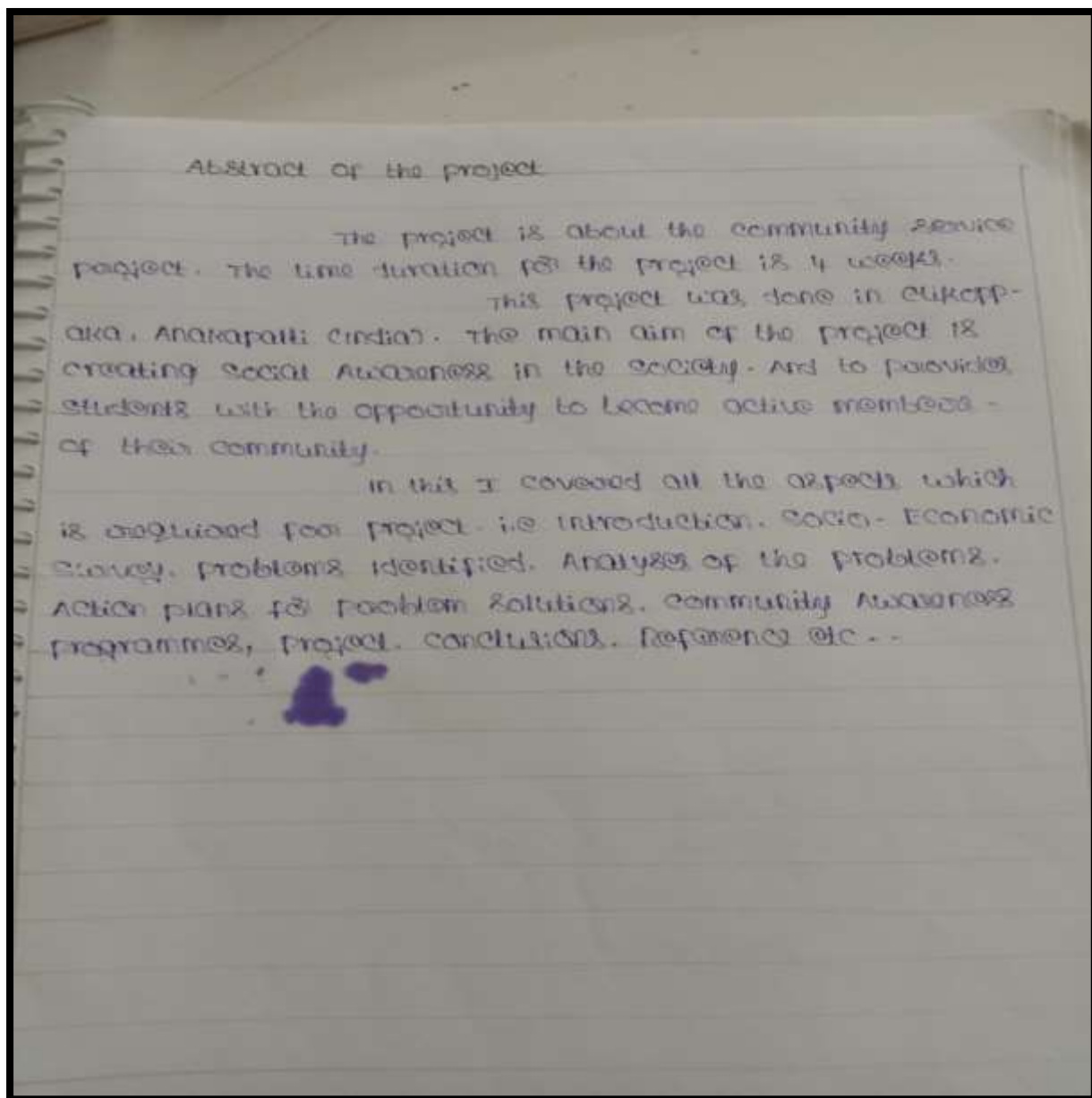
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DEPARTMENT OF PHYSICS

COMMUNITY SERVICE PROJECT (CSP) REPORT

DECLARATION

I hereby declare that the project entitled "Community Service Project" which is being submitted as a project of 2nd semester to S.G.A. Govt. Degree College, Yellamanchili is an authentic record of my genuine work done under the guidance of Lect. K. Venkanna Siva, Dept. of Physics, S.G.A. Degree College, Yellamanchili.

Y. Naga Ranga

Date :- 3

Place :- Etikoppaka



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DEPARTMENT OF PHYSICS

COMMUNITY SERVICE PROJECT (CSP) REPORT

ACKNOWLEDGEMENT

I express my sincere indebtedness towards our guide Mr. K. Venkanna, Dept. of Physics, S.G.A degree college, Yellamanchili, for his invaluable guidance, suggestions and supervision throughout the work. Without his kind patronage and guidance the project would not have taken shape. I would also like to express our gratitude and sincere regards for his kind approval of the project, time to time counselling and advice.

I also sincerely thank to all the faculty members, Yoga Rao Iyer in Physics for his kind guidance and I would also like to my parents - Ramesh and Lakshmi. And to my younger sister Venkata Lakshmi for helping me in the project outcome.

Y. Raga Ranga

Date :-



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COMMUNITY SERVICE PROJECT (CSP) REPORT

Recommendations / Suggestions

- (1) While I was conducting Socio-Economic survey, I find that some have no Ration card, Aadhar card.
- (2) They said that they don't know how to get it. So, it's better to government should know and try to help them.
- (3) Some people afraid to tell their real information in Socio-Economic survey. For those people, it is necessary to educate them.
- (4) A few have all necessary things to get some schemes from govt but they did not get those. And even they don't know what to do, to get those.
- (5) For street management programmes, I think it's better to appoint a street management group - who educate the people regarding this and motivate them.



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COMMUNITY SERVICE PROJECT (CSP) REPORT

CONCLUSION :-

It was a wonderful and learning experience for me while working on this project etc.

This project took me through the various phases of project development and gave me some insight into the world of community service.

After completing this project, I have acquired a lot of knowledge. It was a very pleasant experience for me in making this project.

Moreover, it is also a pity experience for me. Because I am not able to help the people who are in need, like homeless persons etc. Anyway, this took me through the different kinds of experiences. And gave me a wonderful learning. This helps to me improve skills like time-management, public speaking, leadership, etc. etc. ---

I gained a basic knowledge of schemes applied by government like Jagananna Vidya Deevena, Mahatma Jeevanam like that ---

And I get the knowledge like how to get Aadhar card, voter id etc ---



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COMMUNITY SERVICE PROJECT (CSP) REPORT

SGA GOVERNMENT DEGREE COLLEGE YELLAMANCHILI

DEPARTMENT OF PHYSICS

COMMUNITY SERVICE PROGRAMME

Preliminary survey on Socio-economic conditions of the habitation

Name of the Student : Y. NAGA DURGA
Group : IInd BSc (HPE2)
Registration Number : 720135405068

House No.		Habitat	Ethikoppala	Panchayat	Ethikoppala
Post office	ethikoppala	Mandal	yellamanchili	District	Aravindavolu

1. Family Details:

S.N.	Name of the family Member (in the first row fill the details of the head of the family)	Sex M/F	Age	Marital status	Education	Employ/ Unemployed
i	Yenikunti Appalaraidu	M	60	married	-	unemploy
ii						
iii						
iv						
v						
vi						

2. Social Status Details:

- A. Type of family : a. Joint b. Nuclear ✓
B. Caste: a.SC b.ST c. BC. d.EBC e.Minority f. OC ✓
C. Religion: Hindu

3. Economic Status Details:

- A. Occupation : a. Farmer b. Agriculture Labour
c. Govt/private employs d. Unemployed ✓ e. others :
B. Type of house, a. Thatched b. Tiled ✓ c. Slab d. Govt_schemed e. others
C. Nature of house: a. Own b. Rented ✓
D. Availability of Agricultural Land: Yes/No ✓



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DEPARTMENT OF PHYSICS

COMMUNITY SERVICE PROJECT (CSP) REPORT

E. Extent of Agricultural Land: _____ acres _____ cents.

F. Name of cultured crops: _____ Paddy/ Sugars cane/ Vegetables/Flowers/ Any other

G. Cattle _____ Cows _____ Oxen _____ Buffaloes _____ Sheep _____ Goat _____ chicken _____

H. Do you have own toilet: Yes/No _____

I. Type of Cooking fuel Used: _____ Wood/LPG/Kerosene/Gobar gas/ others _____

J. Is any family member part of DWACRA Group: Yes/No _____

K. Do you have white/pink Ration card: Yes/No _____

L. Do you have Adhaar card: Yes/No _____

M. Do you have Arogyasri Card: Yes/No _____

N. Do you have PMJAY (Pradhana mantri jan arogya yojana) card: Yes/No _____

O. Do you have vehicle: _____ 2wheeler/Auto/Cat/Tractor/Other _____

P. Drinking water facility: _____ Community tap/ Handpump/Tond/well/ Other _____

4. Name of the Govt. Schemes received:

1) _____ 2) _____

3) _____ 4) _____

5. Any 2 problems faced by the villagers

1. Lack of Hospital facility

2. Lack of proper bus service

Place: _____

Date: _____

Signature of the Mentor _____

Signature of the Student
Y. Nag



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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT

**Names of students enrolled for CSP under guidance of
Smt.M..Vidya kalpana, Lecturer in Chemistry for the academic
year 2021-22.**

S.no	Name of the student	Register no	Class
1.	A.S.Vijaya Gowri	720135405001	II B.Sc (MPC)
2.	A.Nagapushpa	720135405002	II B.Sc (MPC)
3.	B.Balasubramanyam	720135405003	II B.Sc (MPC)
4.	B.Sivalakshmi	720135405004	II B.Sc (MPC)
5.	B.Bharathi	720135405005	II B.Sc (MPC)
6.	CH.Subhalaxmi	720135405006	II B.Sc (MPC)
7.	D.Varalakshmi	720135405007	II B.Sc (MPC)
8.	K.Navya	720135405008	II B.Sc (MPC)
9.	K.Shirisha	720135405009	II B.Sc (MPC)
10.	K.B.N.Bhuvanvshwari	720135405010	II B.Sc (MPC)
11.	K.Deepika	720135405011	II B.Sc (MPC)
12.	K.pavani tejasri	720135405012	II B.Sc (MPC)
13.	M.Sravanthi	720135405013	II B.Sc (MPC)
14.	M.raju	720135405014	II B.Sc (MPC)
15.	M.Krishnaveni	720135405015	II B.Sc (MPC)
16.	M.Gayathri	720135405016	II B.Sc (MPC)
17.	M.varma	720135405017	II B.Sc (MPC)
18.	M.Rajeshwari	720135405018	II B.Sc (MPC)

19.	N.Niranjana kumar	720135405019	II B.Sc (MPC)
20.	N.ganeshini	720135405020	II B.Sc (MPC)
21.	P.Srividya	720135405021	II B.Sc (MPC)
22.	P.Durga vani	720135405022	II B.Sc (MPC)
23.	P.Padma	720135405023	II B.Sc (MPC)
24.	R.Gangabhavani	720135405024	II B.Sc (MPC)
25.	S.Leelavathi	720135405025	II B.Sc (MPC)
26.	S.Umadevi	720135405026	II B.Sc (MPC)
27.	S.gayathri	720135405027	II B.Sc (MPC)
28.	T.Leelavathi	720135405028	II B.Sc (MPC)



Head of the Department
Department of Chemistry
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Yellamanchili-531 055



Principal
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Visakhapatnam District.



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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT

CERTIFICATE

This is to certify that the community service project work entitled “**FOOD ADULTERATION**” is a bonafide work done by the following group of students and submitted for evaluation during August, 2022 under the supervision of Smt M.Vidya kalpana , Lecturer in Chemistry.

S.no	Name of the student	Register no	Class
1.	A.S.Vijaya Gowri	720135405001	II B.Sc (MPC)
2.	A.Nagapushpa	720135405002	II B.Sc (MPC)
3.	B.Balasubramanyam	720135405003	II B.Sc (MPC)
4.	B.Sivalakshmi	720135405004	II B.Sc (MPC)
5.	B.Bharathi	720135405005	II B.Sc (MPC)
6.	CH.Subhalaxmi	720135405006	II B.Sc (MPC)
7.	D.Varalakshmi	720135405007	II B.Sc (MPC)
8.	K.Navya	720135405008	II B.Sc (MPC)
9.	K.Shirisha	720135405009	II B.Sc (MPC)
10.	K.B.N.Bhuvanvshwari	720135405010	II B.Sc (MPC)
11.	K.Deepika	720135405011	II B.Sc (MPC)
12.	K.pavani tejasri	720135405012	II B.Sc (MPC)
13.	M.Sravanthi	720135405013	II B.Sc (MPC)
14.	M.raju	720135405014	II B.Sc (MPC)
15.	M.Krishnaveni	720135405015	II B.Sc (MPC)
16.	M.Gayathri	720135405016	II B.Sc (MPC)
17.	M.varma	720135405017	II B.Sc (MPC)
18.	M.Rajeshwari	720135405018	II B.Sc (MPC)
19.	N.Niranjan kumar	720135405019	II B.Sc (MPC)

20.	N.ganeshini	720135405020	II B.Sc (MPC)
21.	P.Srividya	720135405021	II B.Sc (MPC)
22.	P.Durga vani	720135405022	II B.Sc (MPC)
23.	P.Padma	720135405023	II B.Sc (MPC)
24.	R.Gangabhavani	720135405024	II B.Sc (MPC)
25.	S.Leelavathi	720135405025	II B.Sc (MPC)
26.	S.Umadevi	720135405026	II B.Sc (MPC)
27.	S.gayathri	720135405027	II B.Sc (MPC)
28.	T.Leelavathi	720135405028	II B.Sc (MPC)



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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT

PROJECT NAME: "FOOD ADULTERATION "

Objectives:

- To Know the process of Random sample collection for mapping data of particular village
- To become as a guide in the field of Food adulteration .
- To Know how to execute a project for a specified group of people
- To aware various adulteration in Food .
- To get grip on literature survey and drafting skills
- To develop campaigning skills and inter-personal skills

Methodology:

- We the group of 28 Students independently reviewed the literature and collected the information
- We the II B.Sc (MPC) students carried out the Project "Food Adulteration " by Project Method.
- In First step we conducted socio - economic survey to know the type of energy consumption in households allocated to us
- In second step we designed the poster
- In third step we had created a awareness among the people regarding our project
- In fourth step we executed the project i.e we explained the importance of Healthy food and how Adulteration occurs in Food .We have written our manuscript and handed over to our mentor for evaluation.

Outcome / Result:

- Gained the knowledge on random sample collection
- Gained the mentoring level knowledge on Food Adulteration
- Gained the knowledge regarding execution of project
- We ourselves realized the importance Healthy food and how Adulteration occurs in Food.
- Got thorough knowledge on literature survey and drafting skills
- Developed the campaigning and inter-personal skills.

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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT

S.G. A Govt Degree college Yellamanchili COMMUNITY SERVICE PROJECT

Food Adulteration can be defined as the practice of adulterating food or contamination of food materials by adding a few substances, which are collectively called adulterants.

FOOD ADULTERATION

Examples of Food Adulteration

1. Mixing of pulses with sand particles, pebbles.
2. Mixing of milk with water.
3. Mixing oil with chemical derivatives or cheaper oils.

Poster presented by student group on “Food Adulteration ”

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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT



Socio- economic survey conducted by the student named K.B.N.Bhuvaneshwari -B.Sc (MPC) to her targeted group of people.

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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT



Socio- economic survey conducted by the student named M.Krishnaveni -B.Sc (MPC) to her targeted group of people

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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT

SPECIMEN PROJECT REPORT OF K.SIRISHA II-B.Sc (MPC) ON "FOOD ADULTERATION"



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COMMISSIONERATE OF COLLEGIATE EDUCATION

Community Service Project

Title : FOOD ADULTERATION

Name of the Student : Kandrakota Sirisha

Course : II B.Sc MPC

Roll.No : 720135405009

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Yellamanchili-531 055

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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT

CERTIFICATE

This is certificate that the project report entitled "CSP" submitted by M. Krishnaveni has been carried out under the guidance of lect. M. Vidya Kalpana Madam lecturer in Chemistry. S.G.A degree college Yellamanchili, The project report is approved for submission requirement for project in 2nd semester in S.G.A degree college Ylm.

Head of the Department
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Principal
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Visakhapatnam District.



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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT

DECLARATION

I hereby declare that the project entitled "Community services Project" which is being submitted as project of 2nd semester to S.G.A degree college, Yellamanchili is an authentic record of my genuine work done under the guidance of lect. M. Vidya Kalpana madam, Dept of Chemistry. S.G.A degree college Yellamanchili

K.B.N. Bhuvanagiri

Head of the Department
Department of Chemistry
S.G.A. Govt Degree College
Yellamanchili-531 055

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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT

- : ACKNOWLEDGEMENT :-

I Express my sincere indebtedness towards our guide lect. M. Vidyakalpamma madam, S.G.A degree college, Yem for his invaluable guidance, suggestions and supervision throughout the work. without his kind patronage and guidance the project would not have been taken shape. I would also like to express our gratitude and sincere regards for his kind approval of the project, time to time consulting and advice.

I owe sincere thanks to all the faculty members in the department of chemistry for their kind guidance and I would also like to thank to my siblings for helping me in the project outcome.

K. B. N. Bhuvanraj

Head of the Department
Department of Chemistry
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DEPARTMENT OF CHEMISTRY

COMMUNITY SERVICE PROJECT (CSP) REPORT

S.G.A Govt. Degree College, Yellamanchili COMMUNITY SERVICE PROJECT Socio-Economic Survey Consolidation

Name of the Student : K. Seishu

Group : 2nd Bsc (mpc)

Registration Number :

Habitat	<u>Atchuthapuram</u>	Panchayat	<u>W. G. Palen</u>	Post office	<u>Doddhapalli</u>
Mandal	<u>Dasimabata</u>	District	<u>Amrapalli</u>	Pincode	<u>531051</u>

1. Total Number of Houses in the Habitat: 670

2. Number of Houses Caste-wise:

SC 50 ST 10 OC 390 BC-A 20 BC-B 100 BC-C 20 BC-D 120

3. Govt. Buildings in the Habitat:

(i) M.P.U.P School (ii)

4. Common Health problems in the Habitat:

(i) Fever

(ii) Back pain

5. Number of Ration Cards: 526

6. Number of Illiterates in the Village: 1834

7. Number of Graduates in the Village: 599

8. Number of Job Holders: 326

9. Number of PH People: 12

10. Number of DWACRA Groups in the Village: 58

11. Road connectivity to the Village: Yes/ No

12. Bus facility available: Yes/ No

13. Problems identified in the village:

(i) Roads

(ii) drainage

(iii) Drinking water

Signature of the Mentor

M. VIDYAKALPANA

Lecturer in Chemistry

S.G.A. Govt Degree College

Yellamanchili-531055

K. Seishu
Signature of the Student

[Signature]

Head of the Department
Department of Chemistry
S.G.A. Govt Degree College
Yellamanchili-531055

[Signature]
Principal
S.G.A. Govt. Degree College
YELLAMANCHILI - 531 055
Visakhapatnam District.



DEPARTMENT OF BOTANY

Activity: Community Service Project 2021-22

**List of I B.Sc (CBZ) Students assigned to Dr. V. Padmaja,
Lecturer in Botany**

S.No	Name of the student	H.T Number	Year of Admission
1	K.Loriya	721135405103	2021-22
2	K.Mounika	721135405104	2021-22
3	K.K.Sree Lakshmi	721135405105	2021-22
4	K.Divya	721135405106	2021-22
5	L.Yasawini	721135405107	2021-22
6	M.Devi	721135405108	2021-22
7	M.Naga Lakshmi	721135405109	2021-22
8	M.PushpaLatha	721135405110	2021-22
9	M.SravaniSai	721135405111	2021-22
10	M.SivaSravani	721135405112	2021-22
11	M.Navitha	721135405113	2021-22
12	P.Pavani	721135405114	2021-22
13	PRM. Naveena	721135405115	2021-22
14	S.Divya	721135405116	2021-22
15	T.Lohitha Sri	721135405117	2021-22
16	V.Sai	721135405118	2021-22
17	V.Vineel	721135405119	2021-22
18	V.Jayasri	721135405120	2021-22
19	V.Tulasi	721135405121	2021-22
20	V.UmaMaheswari	721135405122	2021-22
21	Y.Someswari	721135405123	2021-22

VASA PADMAJA
LECTURER IN BOTANY
S.G.A. Government Degree College
Yellamanchili, Visakhapatnam (Dist)

Principal
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DEPARTMENT OF BOTANY

Community Service Project – 2021-22

List of I B.Sc (CBZ) Students with project Name allotted (Title)

S.No	Name of the student	H.T Number	Name of the Project
1	K. Loriya	721135405103	Study of Plant Disease Mitigation Strategies in Saitharupeta Village
2	K. Mounika	721135405104	Study of Plant Disease Mitigation Strategies in Konavanipalem Village
3	K.K. Sree Lakshmi	721135405105	-
4	K. Divya	721135405106	Study of Plant Disease Mitigation Strategies in Lingarajupalem Village
5	L. yasaswini	721135405107	Study of Plant Disease Mitigation Strategies in Dibbapalem Village
6	M. Devi	721135405108	Study of Plant Disease Mitigation Strategies in Janakayyapeta Village
7	M. Naga Lakshmi	721135405109	Study of Plant Disease Mitigation Strategies in Korraivanipalem Village
8	M. Pushpa Latha	721135405110	Study of Plant Disease Mitigation Strategies in Kummarapalli Village
9	M. Sravani Sai	721135405111	Study of Plant Disease Mitigation Strategies in Gobburu Village
10	M. Siva Sravani	721135405112	Study of Plant Disease Mitigation Strategies in Penugollu Dharmavaram Village
11	M. Navitha	721135405113	Study of Plant Disease Mitigation Strategies in Padmanabarajupeta Village
12	P. Pavani	721135405114	Study of Plant Disease Mitigation Strategies in Kattupalem Village

13	P.R.M. Naveena	721135405115	Study of Plant Disease Mitigation Strategies in Padmanabarajupeta Village
14	S. Divya	721135405116	Study of Plant Disease Mitigation Strategies in Dimili Village
15	T. Lohitha Sri	721135405117	Study of Plant Disease Mitigation Strategies in Akkireddipalem Village
16	V. Sai	721135405118	Study of Plant Disease Mitigation Strategies in Venkatapuram Village
17	V. Vineel	721135405119	Study of Plant Disease Mitigation Strategies in Bheemavaram Village
18	V. Jayasri	721135405120	Study of Plant Disease Mitigation Strategies in Vemagiri Village
19	V. Tulasi	721135405121	Study of Plant Disease Mitigation Strategies in Saitharupeta Village
20	V. Uma Maheswari	721135405122	Study of Plant Disease Mitigation Strategies in Saitharupeta Village
21	Y. Someswari	721135405123	Study of Plant Disease Mitigation Strategies in Kothapatnam Village

VASA PADMAJA
LECTURER IN BOTANY
S.G.A. Government Degree College
Yellamanchili, Visakhapatnam (O.S.)

Project Guide


PRINCIPAL
Principal
S.G.A. Govt. Degree College
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DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Guiding students on CSP – 2022

Date: 26-05-2022



VASA PADMAJA
LECTURER IN BOTANY
S.G.A. Government Degree College
Yellamanchili, Visakhapatnam (Dist)

Project Guide

Principal
S.G.A. Govt. Degree College
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DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Field trip with students for implementation of CSP – 2022

Date: 31-05-2022



VASA PADMAJA

LECTURER IN BOTANY

S.G.A. Government Degree College
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P. Chandra Babu

Principal

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DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Socio economic survey with students for implementation of CSP – 2022

Date: 31-05-2022



VASA PADMAJA
LECTURER IN BOTANY
S.G.A. Government Degree College
Yellamanchili, Visakhapatnam District

P. Cheluvu

Principal
S.G.A. Govt. Degree College
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Visakhapatnam District.

CERTIFICATE



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DEPARTMENT OF BOTANY

This is to certify that this is a bonafide Community Project work entitled "Plant disease mitigation strategies" done by T. LOHITHA SRI of I B.Sc class with Regd. No. 721135405117 during the academic year 2021-22.

Mentor

VASA PADMAJA

LECTURER IN BOTANY

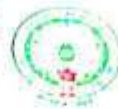
S.G.A. Government Degree College
Yellamanchili, Visakhapatnam (Dist)

good Madam

Principal
S.G.A. Govt. Degree College
Yellamanchili-531055
Anaparthi District. (A.P.)



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Declaration by the candidate

I hereby declare that the Project report " Plant disease mitigation strategies" under community service submitted by me to Dr. V. Padmaja, SGA Govt. Degree College, Yellamanchili, in partial fulfilment of the requirement for the award of the degree of CBZ in Botany department is a record of bona fide project work carried out by me.

I further declare that the work reported in this project has not been submitted and will not be submitted either in part or in full for the award of any other degree or diploma in this institute or any other institute or university.

Yellamanchili,

Date: 04-04-22

Lohitha Sri
Signature of

the candidate

good *Lohitha Sri*

O. C. S.
Principal
S.G.A. Govt. Degree College
Yellamanchili-531055
Anakapalli District. (A.P.)



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Acknowledgement



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I would like to express my special thanks of gratitude to our principal Sir **Dr. P. Chandra Sekhar sir** who always encouraged us in this project. I would also like to thank my lecturer and guide **Dr. V. Padmaja Madam**, who gave me the golden opportunity to do this wonderful project on the topic "Plant disease mitigation strategies" and for guidance in this project. I would also like to thank incharge of department of Botany- **Dr. B. Chandra Mouli sir** for his constant support. This project helped me in doing research on plant diseases of a village and I came to know about so many new strategies to mitigate plant diseases. I am really thankful to them. Secondly, I would also like to thank my relative **Smt K. Aruna Kumari** who helped me a lot in finalising this project within the limited time frame

Date: 01-01-22

T. Lohitha Sri

T. Lohitha Sri

ICBZ



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INTRODUCTION

Village Name : Akkireddepalem

Mandal : Anakapalli

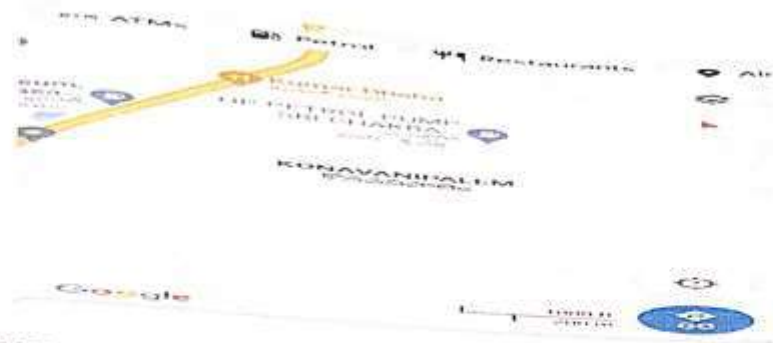
District : Anakapalli

State : Andhra Pradesh

My village is a place that I like to visit in my holidays or whenever I feel tired and want to relax. A village is a place that is far away from the pollution and noise of the city. Also, you feel a connection with the soil in a village. Around more than 70% of India's population resides in villages. Likewise, villages are the main source of food and agricultural produce that we consume. After independence, the villages have grown much in both population as well as education. The village is important because it is the primary sector of agricultural production of our country.

The village is the back bone of India's economy. It also plays a major role in maintaining the ecological balance of the environment. Villages are mostly covered with trees and plants and my village name is Akkireddepalem.





➤ PLANT DISEASE INTRODUCTION

Plant diseases have impacted society and world history. The great Irish potato famine in 1845 is historically one of the most important famines ever caused by plant disease. Potatoes infected with *pythophthora* late blight caused vines to die prematurely and tubers to rot in the ground and in storage because of these disease approximately 2 million people either starved to death or immigrated to the United States.



Scope of plant pathology is unlimited its ultimate goal is to prevent and control plant diseases of economic importance .

Socio economy survey



➤ OBJECTIVES

- In recent years plant pathologists have begun to specialise in particular aspect the fields in which notable advances have been made are
- Interaction between host and pathogen at chemical ,molecular and genetic level .
- Plant virology ,mycology ,chemistry of fungi toxicity.
- Disease forecasting and plant quarantine.

➤ PLANT DISEASE HAVE FOUR MAIN OBJECTIVES

- To study the living and non living and environmental causes of plant diseases .
- To study the mechanisms of diseases development by pathogen (pathogenesis).

- To study the interactions between the plants and the pathogen (epidemiology).
- To develop the methods of controlling the diseases and reducing the losses caused by them (control/measurement).
- Objective means

The objectives of the plant pathology are the study on the living entities that cause diseases in plants the non entities and the environmental conditions that cause disorders in plants, the mechanisms by which the disease causing agents produce diseases, the interactions between the disease causing agents. plant pathology is one among the branches of agricultural science that deals with cases etiology , resulting losses and management of plant diseases.

➤ **METHODOLOGY**

Reducing the level of infestation involves cultural such as sanitation ,removing diseased plants or plant parts ,rotating crops ,eliminating weeds are other plants may be alternate hosts for the disease and the discouraging or preventing insect vectors .usually the following methods are employed in disease forecasting .presence of primary inoculum ,its density and viability are determined in the air ,soil or planting material occurrence of viable spores or propagules in the air can be assessed by using different air trapping devices(spore trapes).plant diseases are responsible for major economic losses .

A variety of chemicals are available that have been designed to control plant diseases by inhibiting the growth or by killing the diseases causing pathogens using resistors .

9 keys to plant disease prevention

- Understand the mechanism of infections

- Choose the right plants for your sight
- Use disease resistant varieties
- Keep a clean garden rotating crops and sanitising tools
- Create a well balanced soil
- Keep plants healthy proper watering, mulching ,pruning and fertilizing .
- Don't over water , over mulch etc....
- Learn to tolerate some diseases
- Remember most fungicides are preventives not cures .

In methodology physical methods of diseases prevention and control are based on the physiological tolerance of diseases agents to adverse conditions such as increased or low temperature absence of moisture ,presence of deleterious tradition and the removal of pathogen sources or presence of physical barriers to prevent contact between the disease agent and the host.

➤ QUESTIONNAIRE

- Types of crops
- Season of cultivation
- Soil type
- Fertilizers used organic or inorganic
- Pesticides used
- Diseases
- Preventive methos adopted by farmers
- Crop rotation done or not
- Yield
- Irrigation facility

➤ PROBLEMS IDENTIFIED ABOUT CROPS



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COMMUNITY SERVICE PROJECT

Semester- I

Max marks: 100

S. N. Q.	Regd.NO	Name	Marks				
			Project log (20M)	Implementation (30M)	Project Report (25M)	Presentation (25M)	Total (100 M)
1.	721135405103	K.Loriya	20	20	20	21	81
2.	721135405104	K.Mounika	20	25	20	22	87
3	721135405105	K.K.Sree Lakshmi	Not submitt ed				
4.	721135405106	K.Divya	20	20	20	20	80
5.	721135405107	L.Yasawini	20	25	20	21	86
6.	721135405108	M.Devi	18	23	20	22	83
7.	721135405109	M.Naga Lakshmi	18	20	20	20	78
8.	721135405110	M.Pushpa Latha	20	25	21	22	88
9.	721135405111	M.Sravani Sai	20	25	20	20	85
10	721135405112	M.Siva Sravani	18	20	20	20	78
11	721135405113	M.Navitha	20	20	20	18	78
12	721135405114	P.Pavani	20	20	20	20	80
13	721135405115	PRM. Naveena	20	25	22	20	87
14	721135405116	S.Divya	18	20	18	20	76
15	721135405117	T.Lohitha Sri	20	25	25	25	95
16	721135405118	V.Sai	18	20	20	20	78
17	721135405119	V.Vineel	17	20	16	17	70
18	721135405120	V.Jayasri	18	20	20	20	78
19	721135405121	V.Tulasi	17	20	20	20	77
20	721135405122	V.Uma Maheswari	18	21	21	20	80
21	721135405123	Y.Someswari	18	20	20	20	78

V. Padma
VASA PADMAJA

LECTURER II, BOTANY

S.G.A. Government Degree College
Yellamanchili, Visakhapatnam (Dist.)

P. Cadu
Principal

S.G.A. Govt. Degree College
Yellamanchili-531 055
Anakapalli District. (A.P.)

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COLLEGE, YELAMANCHILI**

DEPARTMENT OF COMMERCE

**COMMUNITY SERVICE PROJECT
2021-22**



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DEPARTMENT OF COMMERCE

COMMUNITY SERVICE PROJECT (CSP) REPORT

NAMES OF STUDENTS ENROLLED FOR CSP UNDER GUIDENCE OF SRI M KISHORE,
LECTURER IN COMMERCE FOR THE ACADEMIC YEAR 2021-22.

S.NO	REG.NO	STUDENT NAME	GROUP
1	120135403001	A SAI SANDHYA	II B.Com
2	120135403002	B HEMA LATHA RUPA SUSHMA	II B.Com
3	120135403003	B VIJAYA	II B.Com
4	120135403004	CH KANAKA MAHA LAKSHMI	II B.Com
5	120135403005	CH NOOKARATNAM	II B.Com
6	120135403006	CH RAJU	II B.Com
7	120135403007	D YAMUNA	II B.Com
8	120135403008	D SUJATHA	II B.Com
9	120135403009	E YESUBABU	II B.Com
10	120135403010	E RADHIKA	II B.Com
11	120135403011	G SURYA LAKSHMI	II B.Com
12	120135403012	G NAGA LAKSHMI	II B.Com
13	120135403013	K NAGAMANI	II B.Com
14	120135403014	K DURGA PRASAD	II B.Com
15	120135403015	K RAMYA	II B.Com
16	120135403016	K SUDHA	II B.Com
17	120135403017	K SUNIL	II B.Com
18	120135403018	K NOOKA RATNAM	II B.Com
19	120135403019	K SARADA	II B.Com
20	120135403020	K PRAVALLIKA DEVI	II B.Com


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DEPARTMENT OF COMMERCE

COMMUNITY SERVICE PROJECT (CSP) REPORT

CERTIFICATE

This is to certify that the project work entitled “Customer Satisfaction On Online Shopping” is a bonafide work done by the following group of students and submitted for evaluation during August, 2022 under the supervision of **Sri M Kishore, Lecturer in Commerce.**

S.NO	REG.NO	STUDENT NAME	GROUP
1	120135403001	A SAI SANDHYA	II B.Com
2	120135403002	B HEMA LATHA RUPA SUSHMA	II B.Com
3	120135403003	B VIJAYA	II B.Com
4	120135403004	CH KANAKA MAHA LAKSHMI	II B.Com
5	120135403005	CH NOOKARATNAM	II B.Com
6	120135403006	CH RAJU	II B.Com
7	120135403007	D YAMUNA	II B.Com
8	120135403008	D SUJATHA	II B.Com
9	120135403009	E YESUBABU	II B.Com
10	120135403010	E RADHIKA	II B.Com
11	120135403011	G SURYA LAKSHMI	II B.Com
12	120135403012	G NAGA LAKSHMI	II B.Com
13	120135403013	K NAGAMANI	II B.Com
14	120135403014	K DURGA PRASAD	II B.Com
15	120135403015	K RAMYA	II B.Com
16	120135403016	K SUDHA	II B.Com
17	120135403017	K SUNIL	II B.Com
18	120135403018	K NOOKA RATNAM	II B.Com
19	120135403019	K SARADA	II B.Com
20	120135403020	K PRAVALLIKA DEVI	II B.Com


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Visakhapatnam District.



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DEPARTMENT OF COMMERCE

COMMUNITY SERVICE PROJECT (CSP) REPORT

PROJECT NAME: Customer Satisfaction On Online Shopping.

1. Objectives:

- To identify the preferred product categories of Online Shoppers.
- To identify features that most appeal to customers shopping online.
- To identify the problems faced by customers when shopping online.
- To put forward a few recommendations in order to improve customer satisfaction for continue usage of the online shopping service.

2. Methodology:

- The II B.Com students carried out the Project entitled “Customer Satisfaction on Online Shopping” by Project Method.
- Students prepare SES Questionnaire and collect data and interpret and conduct awareness programs in selected village/ ward.
- The methodology adopted for the present study was focus discussion, interview and close observation through in house study with questionnaire. Since the project is based on action research it was necessary to build rapport to collect maximum information from the selected village members. The Students independently reviewed the literature and collected the information about the project and successfully completed and submitted their project.

3. Outcome / Result:

- Students learnt the Knowledge about online shopping.
- Students learnt the various Online selling websites
- Students learnt the knowledge about online buying behavior of customer
- Students learnt the knowledge about customer satisfaction levels on online products



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COMMUNITY SERVICE PROJECT (CSP) REPORT



Socio Economic Survey Conducted by CH Nookaratnam, IInd B.Com, at Karaka



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COMMUNITY SERVICE PROJECT (CSP) REPORT



Survey Data collected By CH Raju, II B.Com at Vada Narsapuram



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COMMUNITY SERVICE PROJECT (CSP) REPORT



**SRI GURAJADA APPARA GOVT DEGREE COLLEGE,
YELLAMANCHILI**

DEPARTMENT OF COMMERCE

PROJECT REPORT ON

**“CUSTOMER SATISFACTION ON ONLINE SHOPPING
WITH REFERENCE TO Pedapudi VILLAGE/
4th WARD, ANAKAPALLI DISTRICT”**

UNDER COMMUNITY SERVICE

Submitted by

ch. nookaratnam.

2nd B. Com [4th sem]

120135403005

Under guidance of

Sri M Kishore M.Com, NET, APSET, (Ph.D.)

Lecturer in Commerce



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DEPARTMENT OF COMMERCE

COMMUNITY SERVICE PROJECT (CSP) REPORT

CERTIFICATE



SRI GURAJADA APPARAO GOVERNMENT DEGREE COLLEGE

Yellamanchili - 531055, ANDHRA PRADESH



DEPARTMENT OF COMMERCE

This is to certify that Community Project work entitled
"Customer Satisfaction on Online Shopping with reference to
Pedapudi (v) / uth (w) Village/Ward, Anakapalli District
"done by Chandaka. Nookarathnan of IInd B.Com class with
Regd. No. 120135403005 Under the guidance and
supervision during the academic year 2021-22.

Place: Yellamanchili

Date: 10/7/2022

M. Kishore
(M KISHORE)

Lecturer in Commerce



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SRI GURAJADA APPA RAO GOVERNMENT DEGREE COLLEGE

Yellamanchili - 531055, ANDHRA PRADESH



Declaration by the candidate

I hereby declare that the Project report "Customer Satisfaction On Online Shopping with Reference to Pedapudi (v) 4th (w) Village/Ward, Ankapalli District" under community service submitted by me to Sri M Kishore, SGA Govt. Degree College, Yelamanchili, in partial fulfilment of the requirement for the award of the degree of B.Com in Commerce department is a record of bonafide project work carried out by me.

I further declare that the work reported in this project has not been submitted and will not be submitted either in part or in full for the award of any other degree or diploma in this institute or any other institute or university.

Yellamanchili,

Date: 10/7/2022

Gh. nookaratnam
Signature of
the candidate



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DEPARTMENT OF COMMERCE

COMMUNITY SERVICE PROJECT (CSP) REPORT

Acknowledgement



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Yellamanchili - 531055, ANDHRA PRADESH



I would like to express my special thanks of gratitude to our principal Sir **Dr. P Chandra Sekhar sir** who always encouraged us in this project. I would also like to thank my lecturer and guide **Sri. M Kishore Sir**, who gave me the golden opportunity to do this wonderful project on the topic "Customer Satisfaction On Online Shopping with Reference to **Pedapudi @ / uth (w)** Village/Ward, Anakapalli District" and for guidance in this project. I would also like to thank in charge of department of Commerce- **Sri. R Rama Rao sir** and **Sri. V Chittibabu**, Lecturer in Commerce for his constant support. This project helped me in doing research on online purchases and satisfaction levels of customers in online shopping of villages. I am really thankful to them. Secondly, I would also like to thank my parents, friends and relatives whose unremarkable encouragement had helped me a lot in finalising this project within the limited time frame

Date: 10/7/2022

Ch. nookaratnam.
IInd B.Com



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DEPARTMENT OF COMMERCE

COMMUNITY SERVICE PROJECT (CSP) REPORT

156 QUESTIONNAIRE FOR SURVEY ON "CUSTOMER SATISFACTION ON ONLINE SHOPPING WITH REFERENCE TO PEDAPUDI VILLAGE, 4TH WARD, ANAKAPALLI DISTRICT"

Name of the Respondent : M. Karanarao
Educational Qualifications : 9th class
Gender : Male Age : 50
Occupation : Farmer
Address & Phone No. : Pedapudi [village], Buchhiyyapeta [mandal]
Anakapalli [district], 531025
8340035164

Sl No.	Question	Yes	No
1	Do you have Internet banking?	✓	
2	Do you have debit card or credit card or UPI or Online payment wallets?	✓	
3	Are you using computer or Laptop or smart phones for shopping?		✓
4	Have frequently do you shopping in online?		✓
5	Do you know important or prominent online selling website?		
6	Do you think for purchasing things from online market English is essential?	✓	
7	Do you feel all types of branded and quality products available in online?	✓	
8	Are you feel, shopping things from online market have many advantages?	✓	
9	Do you feel more secure payment gateways in online?		✓
10	Product prices are affordable in online shopping?		✓
11	Have you felt any problem while shopping in online?		✓
12	Do you feel shopping things from online market is not safe?	✓	
13	Do you know, we can avoid cyber frauds by alertness of the individual?	✓	
14	Do you have any concerns about your data privacy while shopping online?	✓	
15	Have you ever had a bad experience while shopping in A. Payment process B. Internet B. Product delivery?		✓
16	Do you know, money can be paid after receiving the items available from online market?		✓
17	Do you have, things can be returned or exchanged if you are not satisfied with the item received from online market?	✓	
18	Do you have, any costly items can be purchased in instalments from online market?	✓	
19	Do you know, warranty facility is also available for on line purchased items as same as open market purchases?	✓	
20	Are you satisfied with sales and services provided by online marketers?		✓
21	Did you enjoy the online shopping experience?	✓	



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DEPARTMENT OF MATHEMATICS - PROJECT WORK DETAILS

2018-2019

S.NO	HALL TICKET NUMBER	NAME OF THE STUDENT	GROUP	NAME OF THE PROJECT
1.	716135405002	A. Ganesh	MPC	Group Theory in symmetry of a molecule in chemistry
2.	716135405011	G. Murali Krishna	MPC	Group Theory in symmetry of a molecule in chemistry
3.	716135405027	M. Srinu	MPC	Group Theory in symmetry of a molecule in chemistry
4.	716135405031	P. Naga sai	MPC	Group Theory in symmetry of a molecule in chemistry
5.	716135405057	V. Sandhyarani	MPCs	Application of numerical integration on C programing
6.	716135405045	CH. Neelima	MPCs	Application of numerical integration on C programing
7.	716135405053	O. Durga	MPCs	Application of numerical integration on C programing
8.	716135405006	D. Siva Krishna	MPC	Application of numerical integration on C programing
9.	716135405008	D. Rajya Lakshmi	MPC	Application of higher order Differential equation
10.	716135405040	Y. Naga Lakshmi	MPC	Application of higher order Differential equation
11.	716135405016	J. Sukanya	MPC	Application of higher order Differential equation
12.	716135405007	D. Lova Lakshmi	MPC	Application of higher order Differential equation
13.	716135405023	K. Ramya	MPC	Application of first order differential equation
14.	716135405013	G. Gowri Parvathi	MPC	Application of first order differential equation
15.	716135405014	G. Naga Laxmi	MPC	Application of first order differential equation
16.	716135405025	K. Rama Satya	MPC	Application of first order differential equation
17.	716135405051	L. shanmukha	MPCs	Application of Laplace Transformation in signal processing
18.	716135405048	K. Padma	MPCs	Application of Laplace Transformation in signal processing
19.	716135405043	A.Sailaja	MPCs	Application of Laplace Transformation in signal processing
20.	716135405052	M. Geetha Kumari	MPCs	Application of Laplace Transformation in signal processing


Head of the Department
Department of Mathematics
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Principal
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DEPARTMENT OF MATHEMATICS 2018-19

CERTIFICATE

This is to certify that the project work entitled “**Group theory in symmetry of amolecule in chemistry**” is a bonafide work done by the following group of students and submitted for evaluation during April, 2019 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**.

S.NO	HALL TICKET NUMBER	NAME OF THE STUDENT	GROUP	NAME OF THE PROJECT
1.	716135405002	A. Ganesh	MPC	Group Theory in symmetry of a molecule in chemistry
2.	716135405011	G. Murali Krishna	MPC	Group Theory in symmetry of a molecule in chemistry
3.	716135405027	M. Srinu	MPC	Group Theory in symmetry of a molecule in chemistry
4.	716135405031	P. Naga sai	MPC	Group Theory in symmetry of a molecule in chemistry

This is to certify that the project work entitled “**Application of numerical integration on C programing**” is a bonafide work done by the following group of students and submitted for evaluation during April, 2019 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

1	716135405057	V. Sandhyarani	MPCs	Application of numerical integration on C programing
2	716135405045	CH. Neelima	MPCs	Application of numerical integration on C programing
3	716135405053	O. Durga	MPCs	Application of numerical integration on C programing
4	716135405006	D. Siva Krishna	MPC	Application of numerical integration on C programing

This is to certify that the project work entitled “**Application of higher order Differential equation**” is a bonafide work done by the following group of students and submitted for evaluation during April, 2019 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

1	716135405008	D. Rajya Lakshmi	MPC	Application of higher order Differential equation
2	716135405040	Y. Naga Lakshmi	MPC	Application of higher order Differential equation
3	716135405016	J. Sukanya	MPC	Application of higher order Differential equation
4	716135405007	D. Lova Lakshmi	MPC	Application of higher order Differential equation

This is to certify that the project work entitled “**Application of first order differential equation**” is a bonafide work done by the following group of students and submitted for evaluation during April, 2019 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

1	716135405023	K. Ramya	MPC	Application of first order differential equation
2	716135405013	G. Gowri Parvathi	MPC	Application of first order differential equation
3	716135405014	G. Naga Laxmi	MPC	Application of first order differential equation
4	716135405025	K. Rama Satya	MPC	Application of first order differential equation

This is to certify that the project work entitled “**Application of Laplace Transformation in signal processing**” is a bonafide work done by the following group of students and submitted for evaluation during April, 2019 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

1	716135405051	L. shanmukha	MPCs	Application of Laplace Transformation in signal processing
2	716135405048	K. Padma	MPCs	Application of Laplace Transformation in signal processing
3	716135405043	A.Sailaja	MPCs	Application of Laplace Transformation in signal processing
4	716135405052	M. Geetha Kumari	MPCs	Application of Laplace Transformation in signal processing


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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF MATHEMATICS - PROJECT WORK DETAILS

2019-20

S.NO	HALLTICKET NUMBER	NAME OF THE STUDENT	GROUP	NAME OF THE PROJECT
1.	717135405001	A. Mounika Rani	MPC	Application of higher order Differential equation
2.	717135405022	K. Manju Bhargavi	MPC	Application of higher order Differential equation
3.	717135405032	P. Rajesh	MPC	Application of higher order Differential equation
4.	717135405030	P.Raju	MPC	Application of higher order Differential equation
5.	717135405031	P. Tulasi	MPC	Group Theory in symmetry of a molecule in chemistry
6.	717135405025	K. Jaya Raju	MPC	Group Theory in symmetry of a molecule in chemistry
7.	717135405064	U. Ramya	MPCs	Group Theory in symmetry of a molecule in chemistry
8.	717135405015	G. Jayalakshmi	MPC	Group Theory in symmetry of a molecule in chemistry
9.	717135405063	T. Haritha	MPCs	Application of Laplace Transformation in signal processing
10.	717135405055	N. Jyothi	MPCs	Application of Laplace Transformation in signal processing
11.	717135405049	G. Sandhya	MPCs	Application of Laplace Transformation in signal processing
12.	717135405014	E. Kantha Rao	MPC	Application of Laplace Transformation in signal processing
13.	717135405050	K. Kusuma Kumari	MPCs	Application of Numerical Integration on C Programming
14.	717135405042	V. Kumar	MPC	Application of Numerical Integration on C Programming
15.	717135405047	Ch. Srilekha	MPCs	Application of Numerical Integration on C Programming
16.	717135405004	A.Jhansi	MPC	Application of Numerical Integration on C Programming
17.	717135405060	S.Vanaja	MPCs	Application of first order differential equation
18.	717135405012	D.Bapuji	MPC	Application of first order differential equation
19.	717135405003	A.Swetha	MPC	Application of first order differential equation
20.	717135405021	K. Chaturya	MPC	Application of first order differential equation


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CERTIFICATE

2019-20

This is to certify that the project work entitled “**Application of higher order Differential equation**” is a bonafide work done by the following group of students and submitted for evaluation during March, 2020 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**.

S.NO	HALLTICKET NUMBER	NAME OF THE STUDENT	GROUP	NAME OF THE PROJECT
1.	717135405001	A. Mounika Rani	MPC	Application of higher order Differential equation
2.	717135405022	K. Manju Bhargavi	MPC	Application of higher order Differential equation
3.	717135405032	P. Rajesh	MPC	Application of higher order Differential equation
4.	717135405030	P.Raju	MPC	Application of higher order Differential equation

This is to certify that the project work entitled “**Group Theory in symmetry of a molecule in chemistry**” is a bonafide work done by the following group of students and submitted for evaluation during March, 2020 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

1	717135405031	P. Tulasi	MPC	Group Theory in symmetry of a molecule in chemistry
2	717135405025	K. Jaya Raju	MPC	Group Theory in symmetry of a molecule in chemistry
3	717135405064	U. Ramya	MPCs	Group Theory in symmetry of a molecule in chemistry
4	717135405015	G. Jayalakshmi	MPC	Group Theory in symmetry of a molecule in chemistry

This is to certify that the project work entitled “**Application of Laplace Transformation in signal processing**” is a bonafide work done by the following group of students and submitted for evaluation during March, 2020 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

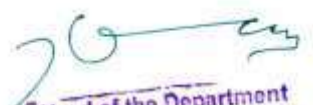
9.	717135405063	T. Haritha	MPCs	Application of Laplace Transformation in signal processing
10.	717135405055	N. Jyothi	MPCs	Application of Laplace Transformation in signal processing
11.	717135405049	G. Sandhya	MPCs	Application of Laplace Transformation in signal processing
12.	717135405014	E. Kantha Rao	MPC	Application of Laplace Transformation in signal processing


This is to certify that the project work entitled “**Application of Numerical Integration on C Programming**” is a bonafide work done by the following group of students and submitted for evaluation during March, 2020 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

13.	717135405050	K. Kusuma Kumari	MPCs	Application of Numerical Integration on C Programming
14.	717135405042	V. Kumar	MPC	Application of Numerical Integration on C Programming
15.	717135405047	Ch. Srilekha	MPCs	Application of Numerical Integration on C Programming
16.	717135405004	A.Jhansi	MPC	Application of Numerical Integration on C Programming

This is to certify that the project work entitled “**Application of first order differential equation**” is a bonafide work done by the following group of students and submitted for evaluation during March, 2020 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

17.	717135405060	S.Vanaja	MPCs	Application of first order differential equation
18.	717135405012	D.Bapuji	MPC	Application of first order differential equation
19.	717135405003	A.Swetha	MPC	Application of first order differential equation
20.	717135405021	K. Chaturya	MPC	Application of first order differential equation


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DEPARTMENT OF MATHEMATICS - PROJECT WORK DETAILS

2020-21

S.NO	HALL TICKET NUMBER	NAME OF THE STUDENT	GROUP	NAME OF THE PROJECT
1.	718135405009	N. Nani Babu	MPC	Application of Numerical Integration on C Programming
2.	718135405029	M. Parasuram	MPC	Application of Numerical Integration on C Programming
3.	718135405038	S. Suresh Kumar	MPC	Application of Numerical Integration on C Programming
4.	718135405013	G. Nooka Raju	MPC	Application of Numerical Integration on C Programming
5.	718135405055	K. Ravi kumar	MPCs	Gauss Elimination method
6.	718135405051	G. Ganaga Apparao	MPCs	Gauss Elimination method
7.	718135405062	N. Siva prasad	MPCs	Gauss Elimination method
8.	718135405039	S. Venaktesh	MPC	Application of higher order Differential equation
9.	718135405006	Ch. Hari	MPC	Application of higher order Differential equation
10.	718135405031	N. Jhansi	MPC	Application of higher order Differential equation
11.	718135405028	M. Bharathi	MPC	Application of first order differential equation
12.	718135405003	B. Kalpana	MPC	Application of first order differential equation
13.	718135405027	M. Yamuna	MPC	Application of first order differential equation
14.	718135405016	K. Aravind	MPC	A project work on Group Theory with application in molecular and solid shape physics
15.	718135405030	N. Nagamani	MPC	A project work on Group Theory with application in molecular and solid shape physics
16.	718135405033	P.Sowjanya	MPC	A project work on Group Theory with application in molecular and solid shape physics
17.	718135405032	N.Satya	MPC	A project work on Group Theory with application in molecular and solid shape physics
18.	718135405004	B.Hemalatha	MPC	A project work on Group Theory with application in molecular and solid shape physics
19.	718135405025	M. Anjali	MPC	A project work on Group Theory with application in molecular and solid shape physics


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CERTIFICATE

2020-21

This is to certify that the project work entitled “**Application of Numerical Integration on C Programming**” is a bonafide work done by the following group of students and submitted for evaluation during August, 2021 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

S.NO	HALLTICKET NUMBER	NAME OF THE STUDENT	GROUP	NAME OF THE PROJECT
1.	718135405009	N. Nani Babu	MPC	Application of Numerical Integration on C Programming
2.	718135405029	M. Parasuram	MPC	Application of Numerical Integration on C Programming
3.	718135405038	S. Suresh Kumar	MPC	Application of Numerical Integration on C Programming
4.	718135405013	G. Nooka Raju	MPC	Application of Numerical Integration on C Programming

This is to certify that the project work entitled “**Gauss Elimination method**” is a bonafide work done by the following group of students and submitted for evaluation during August, 2021 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

5.	718135405055	K. Ravi kumar	MPCs	Gauss Elimination method
6.	718135405051	G. Ganaga Apparao	MPCs	Gauss Elimination method
7.	718135405062	N. Siva prasad	MPCs	Gauss Elimination method

This is to certify that the project work entitled “**Application of higher order Differential equation**” is a bonafide work done by the following group of students and submitted for evaluation during August, 2021 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**


8.	718135405039	S. Venaktesh	MPC	Application of higher order Differential equation
9.	718135405006	Ch. Hari	MPC	Application of higher order Differential equation
10.	718135405031	N. Jhansi	MPC	Application of higher order Differential equation

This is to certify that the project work entitled “**Application of first order differential equation**” is a bonafide work done by the following group of students and submitted for evaluation during August, 2021 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

11.	718135405028	M. Bharathi	MPC	Application of first order differential equation
12.	718135405003	B. Kalpana	MPC	Application of first order differential equation
13.	718135405027	M. Yamuna	MPC	Application of first order differential equation

This is to certify that the project work entitled “**A project work on Group Theory with application in molecular and solid shape physics**” is a bonafide work done by the following group of students and submitted for evaluation during August, 2021 under the supervision of Sri.A.Krishnarao, **HOD of Mathematics**

14.	718135405016	K. Aravind	MPC	A project work on Group Theory with application in molecular and solid shape physics
15.	718135405030	N. Nagamani	MPC	A project work on Group Theory with application in molecular and solid shape physics
16.	718135405033	P.Sowjanya	MPC	A project work on Group Theory with application in molecular and solid shape physics
17.	718135405032	N.Satya	MPC	A project work on Group Theory with application in molecular and solid shape physics
18.	718135405004	B.Hemalatha	MPC	A project work on Group Theory with application in molecular and solid shape physics
19.	718135405025	M. Anjali	MPC	A project work on Group Theory with application in molecular and solid shape physics


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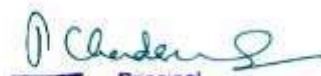


DEPARTMENT OF MATHEMATICS - PROJECT WORK DETAILS

2021-22

S.NO	HALL TICKET NUMBER	NAME OF THE STUDENT	GROUP	NAME OF THE PROJECT
1.	719135405001	B.Leelavathi	MPC	Study Project on Ramanujans History
2.	719135405012	K.Poorna Sai	MPC	Study Project on Ramanujans History
3.	719135405015	K.Karthik	MPC	Study Project on Ramanujans History
4.	719135405035	S.L.Sankara Rao	MPC	Study Project on Ramanujans History
5.	719135405037	T.Sai Kumar	MPC	Study Project on Ramanujans History
6.	719135405002	V.Chinnari	MPC	Study Project on Ancient Mathematicians
7.	719135405011	K.Prasadu	MPC	Study Project on Ancient Mathematicians
8.	719135405017	k.Surya Mani	MPC	Study Project on Ancient Mathematicians
9.	719135405034	S.Swetha Rani	MPC	Study Project on Ancient Mathematicians
10.	719135405039	V.Kasi Rao	MPC	Study Project on Ancient Mathematicians
11.	719135405003	D.Satya Durga	MPC	Study Project on filed medals for the inventions on Mathematics
12.	719135405010	K.Chinnari	MPC	Study Project on filed medals for the inventions on Mathematics
13.	719135405021	M.Sujatha	MPC	Study Project on filed medals for the inventions on Mathematics
14.	719135405033	S.Lakshmi Devi	MPC	Study Project on filed medals for the inventions on Mathematics
15.	719135405042	V.Tataji	MPC	Study Project on filed medals for the inventions on Mathematics
16.	719135405005	G.Ganesh	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped
17.	719135405009	K.Appala Naidu	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped
18.	719135405023	N.Anuradha	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped
19.	719135405032	S.Vijay Lakshmi	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped
20.	719135405043	Y.Tataji	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped
21.	719135405006	G.Sirisha Rani	MPC	Study Project on Modern Mathematicians in India
22.	719135405007	G.Hari Babu	MPC	Study Project on Modern Mathematicians in India
23.	719135405024	N.D.Dhanalakshmi	MPC	Study Project on Modern Mathematicians in India
24.	719135405029	P.Narsinga Rao	MPC	Study Project on Modern Mathematicians in India
25.	719135405044	Y.Laya	MPC	Study Project on Modern Mathematicians in India
26.	719135405057	K.Anuradha	MPCS	Study Project on Modern Mathematicians in India


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CERTIFICATE

2021-22

This is to certify that the project work entitled “**Study Project on Ramanujans History**” is a bonafide work done by the following group of students and submitted for evaluation during, April 2022 under the supervision of Sri.Ch.Vijay Kumar, **HOD of Mathematics**.

S.NO	HALLTICKET NUMBER	NAME OF THE STUDENT	GROUP	NAME OF THE PROJECT
1.	719135405001	B.Leelavathi	MPC	Study Project on Ramanujans History
2.	719135405012	K.Poorna Sai	MPC	Study Project on Ramanujans History
3.	719135405015	K.Karthik	MPC	Study Project on Ramanujans History
4.	719135405035	S.L.Sankara Rao	MPC	Study Project on Ramanujans History
5.	719135405037	T.Sai Kumar	MPC	Study Project on Ramanujans History

This is to certify that the project work entitled “**Study Project on Ancient Mathematicians**” is a bonafide work done by the following group of students and submitted for evaluation during April 2022 under the supervision of Sri.Ch.Vijay Kumar, **HOD of Mathematics**.

6.	719135405002	V.Chinnari	MPC	Study Project on Ancient Mathematicians
7.	719135405011	K.Prasadu	MPC	Study Project on Ancient Mathematicians
8.	719135405017	k.Surya Mani	MPC	Study Project on Ancient Mathematicians
9.	719135405034	S.Swetha Rani	MPC	Study Project on Ancient Mathematicians
10.	719135405039	V.Kasi Rao	MPC	Study Project on Ancient Mathematicians

This is to certify that the project work entitled “**Study Project on filed medals for the inventions on Mathematics**” is a bonafide work done by the following group of students and submitted for evaluation during April 2022 under the supervision of Sri.Ch.Vijay Kumar, **HOD of Mathematics**.

11.	719135405003	D.Satya Durga	MPC	Study Project on filed medals for the inventions on Mathematics
12.	719135405010	K.Chinnari	MPC	Study Project on filed medals for the inventions on Mathematics
13.	719135405021	M.Sujatha	MPC	Study Project on filed medals for the inventions on Mathematics
14.	719135405033	S.Lakshmi Devi	MPC	Study Project on filed medals for the inventions on Mathematics
15.	719135405042	V.Tataji	MPC	Study Project on filed medals for the inventions on Mathematics

This is to certify that the project work entitled “**Application of Numerical Integration on C Programming**

“is a bonafide work done by the following group of students and submitted for evaluation during April 2022 under the supervision of Sri.Ch.Vijay Kumar, **HOD of Mathematics**.


16.	719135405005	G.Ganesh	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped
17.	719135405009	K.Appala Naidu	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped
18.	719135405023	N.Anuradha	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped
19.	719135405032	S.Vijay Lakshmi	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped
20	719135405043	Y.Tataji	MPC	Study Project on the Proofs of Volume & Surface area on 3 – D Shaped

This is to certify that the project work entitled “**Study Project on Modern Mathematicians in India**

“is a bonafide work done by the following group of students and submitted for evaluation during April 2022 under the supervision of Sri.Ch.Vijay Kumar, **HOD of Mathematics**.

21	719135405006	G.Sirisha Rani	MPC	Study Project on Modern Mathematicians in India
22	719135405007	G.Hari Babu	MPC	Study Project on Modern Mathematicians in India
23	719135405024	N.D.Dhanalakshmi	MPC	Study Project on Modern Mathematicians in India
24	719135405029	P.Narsinga Rao	MPC	Study Project on Modern Mathematicians in India
25	719135405044	Y.Laya	MPC	Study Project on Modern Mathematicians in India
26	719135405057	K.Anuradha	MPCS	Study Project on Modern Mathematicians in India


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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF CHEMISTRY

STUDENT STUDY PROJECT

TOPIC : DRUGS & IT'S USES

Submitted By :

Y.Appala raju

III B.Sc (MPC)

Academic year : 2021-22

Submitted To

Head of the Department
Department of Chemistry
S.G.A. Govt Degree College
Yellamanchili-531 055

Incharge of the Department



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1. ANTI BIOTICS

- 1 . Azithral - 500**
- 2 . Azi Bact 500**
- 3 . Doxt – SL**
- 4 . Novaclav - 625**
- 5 . Mega CV - 625**



Azithral- 500



Uses:

It is used to treat **various bacterial infection of the respiratory system** (like pneumonia, bronchitis, tonsillitis, Pharyngitis and sinusitis), skin infections (like acne and rosacea), earinfections and sexually transmitted infection.

- A bacterial infection is a condition in which bacteria grows in the body and cause infection. It can target any body part and multiplevery quickly.
- Azithral-500 Tablet 5's slow the growth or sometimes kill the harmful bacteria by preventing the production of proteins requiredby the bacteria for its survival



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Azibact -500



Uses:

- Azibact 500 tablet is an antibiotic used to treat various **types of bacterial infection of the respiratory tract, ear, nose, throat, lungs,** in adults and children.
- It is skin, and eye also effective in typhoid fever and some sexually transmitted diseases like gonorrhea.



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Azibact -500



Uses:

- Azibact 500 tablet is an antibiotic used to treat various **types of bacterial infection of the respiratory tract, ear, nose, throat, lungs,** in adults and children.

It is skin, and eye also effective in typhoid fever and some sexually transmitted diseases like gonorrhea



DOXT – SL:



USES:

- Doxt – SL Capsule Is an anti-biotic used to treat severe bacterial infections of the respiratory tract, blood, skin, stomach, bones joints and intestine.
- It can also be used in combination with other antibiotics to treat certain infections caused by sexually transmitted organisms like Chlamydia trachomatis, Neisseria gonorrhoeae.



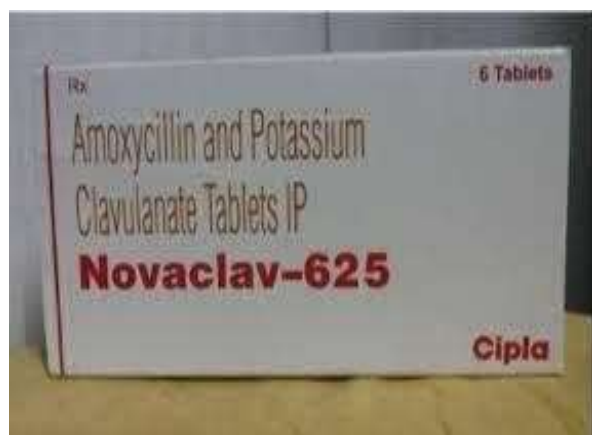
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NOVACLAV - 625



USES:

- Amoxicillin and clavulanate potassium is a combination medicine used to treat many different infections caused by bacteria, such as sinusitis, pneumonia, ear infections, bronchitis, urinary tract infections, and infections of the skin



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MEGA CV 625:



USES:

- Mega CV 625 Tablet is a penicillin type of anti-biotic that helps your body fight infections caused by bacteria.
- It is used to treat infections of the lungs, ear, nasal sinus, urinary tract, skin and soft tissue.
- It will not work for viral infections such as the common cold.



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MULTI VITAMIN TABLETS

- 1. Zincovit**
- 2. Supradyn**
- 3. A.corZ Tablet**



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1.ZINCOVIT:



USES OF ZINCOVIT:

- Strengthens the immune system and helps fight immune deficiency disorders.
- Treatment and prevention of vitamin and mineral deficiencies.
- Helps in the formation of red blood cells and enhances the absorption of iron in the body.



1.SUPRADYN:



USES OF SUPRADYN:

- Supradyn tablet is a nutritional supplement containing multivitamins, minerals, and trace elements that improve overall health and wellness.
- It helps to fight infections by boosting immunity.
- Also, it is used to treat stomach upset, anemia, and grey hair.

MEDICINAL BENEFITS:

It helps to prevent and treat vitamin and mineral deficiencies.



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3.A.cor Z tablet



Uses:

- Helps to promote healthy cardiovascular health by maintaining normal blood pressure and cholesterol levels.
- Helps to fight immune deficiency disorder.



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Anti pyretic

1. Dolo – 650

2. Calpol - 650



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1.DOLO - 650:



USES:

- Dolo 650 Tablet helps relieve pain and fever by blocking the release of certain chemical messengers responsible for fever and pain.
- It is used to treat headaches, migraine, nerve pain, toothache, sore throat, period pains, arthritis, muscle aches, and the common cold



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2.CALPOL-650



USES:

- Calpol 650 mg tablet 15's belongs to the group of mild analgesics [pain killer] And antipyretic [fever-reducing agent]
- Used to treat mild to moderate pain Including headache, migraine, toothache and Menstrual period pain.



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ANTACIDS

- 1. Prilosec**
- 2. Pepto-Bismol**
- 3. Tums-Tablets**
- 4. Rantac -150**
- 5. Rolaid**
- 6. Nexium**



1. PRILOSEC



USES:

- Prilosec is a prescription and over the counter medicine used to treat the symptoms of gastroesophageal reflux disease, gastric ulcers, and other conditions caused by excess stomach pain.
- Prilosec may be used alone or with other medications.
- Prilosec belongs to a class of drugs called proton pump inhibitors.



2. PEPTO-BISMOL-LIQUID:



USES:

- Bismuth subsalicylate is the main ingredient in pepto Bismol. This medicine is used for heart burn and acid reflux, indigestion, diarrhea and feeling sick.
- It works by protecting your stomach and the lower part of your food pipe from stomach acid. It is also a mild antacid, which helps reduce excess stomach acid and ease any discomfort.
- Pepto-Bismol comes as tablets and a liquid that you drink. You can only buy it from Pharmacies.

•



3.TUMS-TABLETS:



USES:

- This medicine is used for treat symptoms caused by too much stomach acid such as heart burn,upset stomach or indigestion.
- It is an antacid that works by lowering the amount of acid in the stomach. Check the ingredients on the label even if you have used the product before.
- The manufacture may have changed the ingredients. Also,products with similar names may contain different ingredients meant for different purposes. Taking the wrongproduct could harm you.



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Rantac



Uses:

- Rantac 150 tablet 30's is also used to prevent and treat stomach ulcers.
- Rantac 150 tablet 30's is used to treat for indigestion, heartburn and acid reflux.



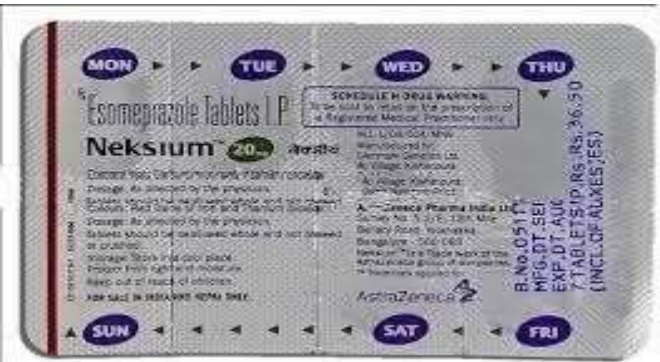
ROLAIDS:



USES:

- This medication is used to treat symptoms caused by too much stomach acid such as heartburn, upset stomach, or indigestion.
- It is an antacid that works by lowering the amount of acid in the stomach.
- Take this product by mouth as directed.

NEXIUM- TABLETS



USES:

- Esomeprazole is used to treat certain stomach and esophagus problems.
- It works by decreasing the amount of acid your stomach makes.
- It relieves symptoms such as heartburn, difficulty swallowing and persistent cough.



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Department of Botany

Student Projects 2021-22

S.No	Group	Year	Name of the Project
1	III CBZ	2021-22	Herbal tea
2	III CBZ	2021-22	Transgenic Plants
3	III CBZ	2021-22	Food chain and Food web


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Certificate

Certified that this is a bonafide record of Project work entitled “ Herbal Tea” done by **III B.Sc CBZ students** of S.G.A Government Degree College, Yellamanchili during the year 2021-22.

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HERBAL TEA' S





Herbal Teas

Introduction :-

"Herbal Teas" less commonly called herb teas or Tisanes and fruit teas are beverages made from the infusion (or) decoction of herbs, spices, fruits (or) other plant material in hot water. They do not usually contain caffeine. Whereas the true teas (black, green, white, yellow, oolong) are prepared from the cured leaves of tea plant, "Camellia sinensis" as well as from decaffeinated tea.

"Herbal Teas (or) Tisanes" are generally consumed for their Medicinal (or) Curative properties like Sedative, Stimulant (or) Calming properties.

"Tea" is an aromatic beverage commonly prepared by pouring hot (or) boiling water over cured leaves of the "Camellia sinensis", an evergreen shrub native to Asia. After water, it is the most widely consumed drink in the world. Tea originated in South West China where it was used as medicinal drink.



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All types of True tea come from the '*Camellia sinensis*' plant that is a native shrub mixture to China and India. These include white, green, oolong, black and pu-erh teas.

"What is herbal tea":-

'Herbal tea' is not officially a tea, as it is not derived from *Camellia sinensis* plant, but instead an infusion (or) blend of leaves, fruits, roots, barks (or) flowers of almost any edible non tea plant. In Europe, herb tea blends are commonly known as 'Tisanes'.

"Health Benefits":-

Some general benefits that can be obtained from most herbal teas are as follows:-

- 1) Achieving a calm and relaxed state of mind.
- 2) Supporting heart health.
- 3) Aiding with stomach and digestive problems.
- 4) Providing cleansing properties for the body.
- 5) Promoting energy and wellness.
- 6) Nourishing the nervous system.
- 7) Strengthening the immune system.
- 8) Providing anti-oxidants to the body.



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- 9.) Boosting energy levels and invigorating the body.
- 10.) Relieving stress.
- 11.) Helping to avoid cold.
- 12.) Stimulating the internal organs.
- 13.) Promoting a good night sleep.
- 14.) 'Caffeine free' and taste great.



"Best 10 Herbal Teas and their Benefits:"

1. "Hibiscus Tea" :-

The dried calyx of the flower of the plant *H. Sabdariffa* is used to make hibiscus tea.

Historically H-tea has been used in African countries to decrease body temperature, treat heart diseases and soothe a sore throat. In Iran, H-tea is used to treat high blood pressure.





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"Health Benifits":-

- 1.) Manages blood pressure.
- 2.) Lowers Cholesterol thereby helping to protect against heart diseases.
- 3.) Protects Liver.
- 4.) Has Anti-Cancer properties.
- 5.) It's rich in 'ascorbic acid' and act as anti-inflammatory and anti-bacterial agents.
- 6.) It relieves from menstrual pain by restoring hormonal balance.
- 7.) H-tea contains 'Vitamins' and 'flavonoids' which have anti-depressant properties.
- 8.) H-tea regularizes both urination and bowel movements.
- 9.) It is used as 'Sports drink' in order to satiate thirst.
- 10.) Helps in weight loss.





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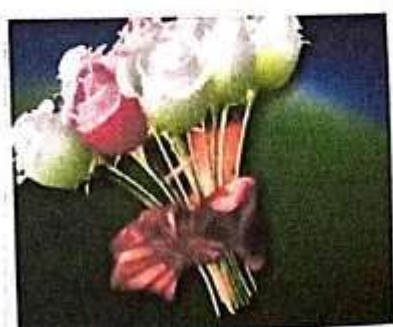
2. "Ginger Tea" :-

It is made from Ginger root (*Zingiber officinalis*).



"Health Benefits"

1. Relieve Nausea.
2. Improve Stomach Digestion by improving performance.
3. Reduce Inflammation.
4. It fights against Cancer as a result of Compound '6-gingerol.'
5. Protects against "Alzheimer's disease".
6. Relieves "Heart Burn."





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4. "Chrysanthemum Tea":

It is a flower based infusion beverage made from chrysanthemum flowers of the species *C. Morifolium* (or) *C. indicum*, which are most popular in east Asia, especially, China.



"Health Benefits":

1. Prevention of Sore throat and reduces fever.
2. Treats circulatory disorders such as Varicose veins and atherosclerosis.
3. Acts as Nerve Relaxant.
4. It has Beta Carotene which behaves like Anti-oxidant and reduces the signs of Aging as well as wrinkles.
5. Boost Immune system as it has high concentration of Vitamins 'A' and 'C'.
6. Improves vision as there is high level of Beta Carotene.



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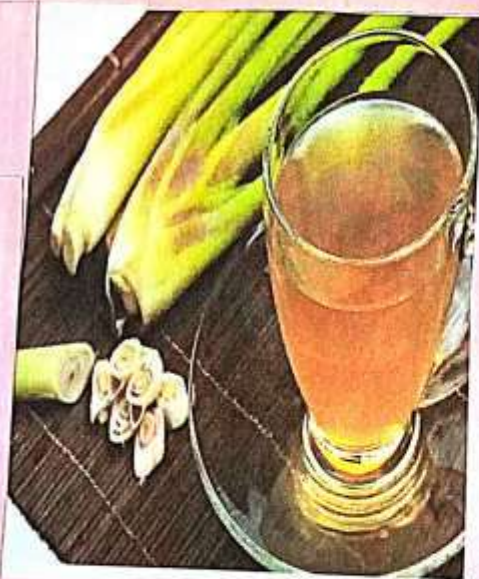
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5. "Lemon Grass Tea" :-

It is prepared from lemon grass plant - "*Cymbopogon Citratus*" of grass family - Poaceae. Lemon grass is a source of essential vitamins such as vit A, B₁ (thiamine), B₂ (Riboflavin), B₃ (Niacin), B₅ (Pantothenic acid), B₆ (Pyridoxine), folate and vitamin C. It also has essential minerals such as potassium, Calcium, magnesium, phosphorus, manganese, Copper, Zinc and ferrous. The main component of Lemon grass is lemonal (or) citral, which has anti-fungal and anti-microbial quality and it also provides distinct lemony smell.





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"Health Benefits" :-

- 1) Lowers cholesterol.
- 2) Detoxifies body
- 3) Prevents Cancer - Citrol has anti-proliferative effect
- 4) Helpful in prevention of Gastro intestinal disorders.
- 5) Anti-inflammatory properties are beneficial for treating Constipation, ulcerative Colitis, diarrhoea, Nausea and stomach aches.
- 6) Treats Insomnia by calming muscles and Nerves.
- 7) Febrifuge (Cures fever), hence called "fever grass".
- 8) Inhibits Microbial and bacterial growth in the body.
- 9) "Increase Urination" and hence clean out the Kidneys.





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“Peppermint Tea”:-

It is an infusion made from Peppermint leaves (*Mentha piperata*) that is drunk as tea.



“Health Benefits”:-

1. Helps to prevent vomiting, Nausea and Motion sickness.
2. Aids in weight loss by reducing Appetite.
3. Helps reduce fever and discomfort.
4. Boosts Immune system.
5. Removes bad breath - Menthol overwhelms the foul smell and also anti-bacterial activity makes breath fresh and clean.
6. Aids in relieving Mental stress, Cough and Cold.



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7. "Rosemary Tea":-

It is made from brewing the leaves and stem of Rosemary herb (*ROSMARINUS OFFICINALIS*) native to Mediterranean region.



"Health Benefit"

- 1) Boosting Brain - Supports Circulation in Brain.
- 2) It has Carnosic acid, a potent anti-oxidant that protects the neurons from free radical damage.
- 3) Used in Respiratory problems.
- 4) It calms indigestion.
- 5) Rich in Anti-oxidants and anti-inflammatory Compounds.
- 6) It Can protect from Cancer.





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8. "Cinnamon Tea" :-

Cinnamon is a spice obtained from the inner bark of several trees of *Cinnamomum Zeylanicum*



"Health Benefits" :-

1. Regulates Blood sugar.
2. Weight loss - It helps body to store less fat.
3. Lowers cholesterol levels and prevents Atherosclerosis.
4. Boosts Immune system as it has high concentration of anti-oxidants such as Cinnamaldehyde, Catechins, Cyanids etc.
5. Improves digestion by stimulating gastric juices.
6. It is an "Appetite Stimulant".
7. Treats 'Menstrual Cramps' in Women.



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9. "Lavender Tea" :-

"Lavendula" It is derived from buds of plant



"Health Benefits" :-

1. It relieves Chronic stress and anxiety.
2. It deals with various Gastrointestinal issues such as Stomach problem, Colic, bowel infection and flatulence.
3. Insomnia - when consumed before bed-time, promotes good sleep.
4. It helps to get rid of pain linked with Cancer, arthritis, back ache and head ache.
5. For Convulsions - It has anti Convulsant and antispasmodic properties and controls Convulsions.



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10. "Fennel Tea":

It is prepared by boiling Fennel seeds (*foeniculum, vulgare, Abiaceae*) in water.



"Health Benefits:-

1. Treats Gastrointestinal issues and improves Digestion.
2. Aids weight loss.
3. Helps treat respiratory ailments by cleansing bronchial passages.
4. Promotes heart health - Fennel is an excellent source of fiber which prevents cholesterol reabsorptions and protects against heart diseases.
5. Boosts Immune System, as it is an excellent source of vit-c, a powerful anti-oxidant that strengthens the immune system.
6. Promotes eye health.
7. Promotes metabolism.



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Certificate

Certified that this is a bonafide record of Project work entitled “ Transgenic Plants” done by **III B.Sc CBZ students** in Botany Laboratory of S.G.A Government Degree College, Yellamanchili during the year 2021-22.

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Transgenic Plants Developments and Concerns

Harvey Parker



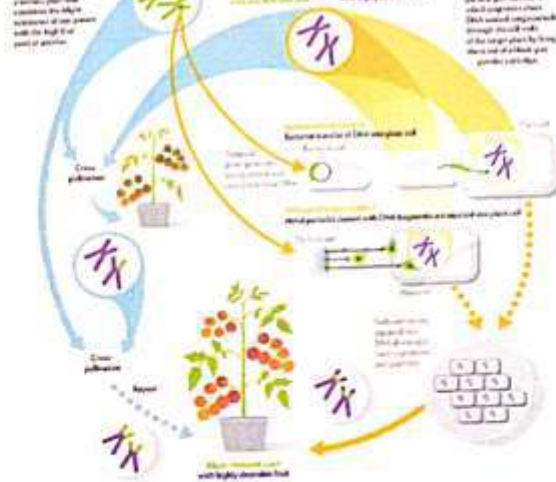
How to Build a Better Plant

Scientists combine genes from conventional plants to make up transgenic plants. They also make up transgenic plants by inserting genes from other organisms into the plant's genome. The number of genes inserted into the genome is called the number of transgenic genes.

1. Insert a gene from one organism into the genome of another organism. This is done by using a vector, such as a virus, to deliver the gene into the plant's cells. The gene is then integrated into the plant's genome.



2. Insert a gene from one organism into the genome of another organism. This is done by using a vector, such as a virus, to deliver the gene into the plant's cells. The gene is then integrated into the plant's genome.





Transgenic Plants Genetically modified Crops

Introduction:-

- "Transgenic plants", are plants in which one or more genes from another species have been introduced into the genome using genetic Engineering processes.
- The aim is to introduce a new trait to the plant which does not occur naturally in the species.
- A transgenic plant contains a gene or genes that have been artificially inserted.
- The inserted gene sequence is known as "Transgene". It may come from an unrelated plant completely different species.
- Transgenic plants are also known as Genetically modified organisms (GMO), Recombinant DNA plants, BioEngineered-plants or Biotech plants.
- Transgenic plants are the result of "modern biotechnology".
- An organism containing a transgene introduced by technological methods (not breeding) is called "transgenic".
- Transgenes are the genetically engineered gene added to a species.
- The process of producing transgenic organism is called "Transgenesis".
- The purpose of inserting a combination of genes in a plant, so as to make it as useful and productive as possible.



Maize -



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- Examples in food crops include resistance to certain pest diseases, or environmental conditions, reduction of spoilage or resistance to chemical treatments (eg:- resistance to a herbicide), or improving the nutrient profile of the crop.

- Examples in non-food crops includes production of pharmaceutical agents, biofuel, and other industrially useful goods as well as for bioremediation.

HISTORY :-

- The phenomenon of introduction of exogenous DNA into the genome to create and maintain a stable and heritable character is called "Transgenesis".

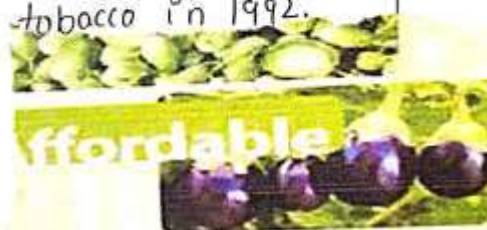
- The first genetically modified crop, an antibiotic resistant tobacco plant, was produced in 1982.
- China was the first country to commercialize transgenic plants, introducing a virus-resistant tobacco in 1992.

Transgenic plants were discovered by Danuta Maria Antosiewicz from the faculty of Biology, university of Warsaw, who does research of transgenic plants.

This was case with plant transformation technology, which is used to obtain genetically modified plants.

India's first transgenic crops :-

Brinjal, Mustard and potato, ... of the three gm food crops in India.. awaiting permission for large scale field trials and seed production.



Bt Brinjal
(Eggplant)



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Brinjal is the first one to get genetic approval. Bt Cotton is the only other gm crop permitted in the country.

Bt cotton was approved by the Chinese government in 1997. In 2002, a joint venture b/w Monsanto and Mahyco introduced Bt cotton of India. In India grew the largest GM cotton crop at 10.6 million hectares.

Father of Bt is known as "Ernst Berliner."

In 1987, Plant Genetic Systems, founded by Marc van Montagu and Jeff Schell, was the first company to genetically engineer insect-resistant (tobacco) plants by incorporating genes that produced insecticidal proteins from *Bacillus thuringiensis* (Bt).

The first genetically modified crop approved for sale in the U.S. in 1994 was the "Flavr Savr tomato" as it had a longer shelf life.

In 2000, Golden Rice with β -carotene developed with increased nutrient value.

Examples of Transgenic plants:-

Bt cotton.

• Bt Brinjal

• Flavr-savr tomato



Flavr-savr tomato



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- Golden rice
- Cauliflower
- Round-up soybean

GMO Foods

For more information go to olmag.co/gmo-food

Tomato
Golden rice has been widely available but not long grown commercially at this time.

Rice
GMO rice has been approved but is not yet being used commercially.

Sweet Corn
Farmers don't like GMO sweet corn because it's more susceptible to pests and diseases.

Salmon
GMO salmon has not been approved by the FDA, but it will be in the near future.

Canola Oil
85% of canola grown commercially and 90% of oil sold in the US is GMO.

Yeast
GMO yeast for wine has been approved.

Cotton
GMO cotton is controversial because it's more resistant to pests and diseases.

Wheat
GMO wheat has been approved and is being grown in the US.

Sugar Beets
90% of sugar beets used to make 50% of our sugar are GMO.

Soy
More than 90% of soybeans in the US are GMO. Some products are genetically modified.

Peas
Peas have been genetically modified but are not approved for sale.

Hawaiian Papaya
Most Hawaiian papaya is GMO, making it more resistant to pests and diseases.

organic lifestyle MAGAZINE

Applications of Transgenic plants: - 6 Applications

Since 1982, the technology has been used to transform the characteristics of different types of plants ranging from corn and barley to onion and tomato. Here gene transfer is used to various functions ranging from increasing yields (crops & animals feeds) as well as increasing plant/crop tolerance to various biological and environmental factors.

The six applications are:

- 1) Resistance to Biotic stresses
- 2) Resistance to Abiotic stresses
- 3) Improvement of crop yield and quality
- 4) Transgenic plants with improved nutrition
- 5) Commercial Transgenic crop plants
- 6) Transgenic plants as Biofactories.



Maize Bt corn



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- i. Resistance to biotic stresses i.e. Resistance to diseases, Caused by insects, viruses, fungi and bacteria.
- ii. Resistance to abiotic stresses → herbicides, temperature (heat, chilling, freezing), drought, salinity, ozone, intense light.
- iii. Improvement of crop yield and quality
Eg:- storage, longer shelf life of fruits and flowers.
- iv. Transgenic plants with improved nutrients.
- v. Transgenic plants as bioreactors for the manufacture of commercial products.
eg:- proteins, vaccines and biodegradable plastics.



Insect (pest) Resistance :-

It is estimated that about 15% of the world's crop yield is lost to insects or pests. A selected list of the common insects and crops damaged is given in Table.

<u>Common name of pest</u>	<u>Botanical name</u>	<u>Crop(s) damaged.</u>
→ Cotton bollworm	<i>Helicoverpa zea</i>	Cotton.
→ Cotton leaf worm	<i>Spodoptera lituralis</i>	Rice, Maize, Cotton, tobacco.
→ Tobacco horn worm	<i>Manduca sexta</i>	Tobacco, tomato, potato
→ European corn borer	<i>Ostrinia nubilalis</i>	Maize
→ Locust	<i>Locusta migratoria</i>	Grasses
→ Tobacco budworm	<i>Heliothis virescens</i>	Tobacco, Cotton
→ Tomato fruitworm	<i>Heliothis armigera</i>	Tomato, cotton.
→ Cowpea seed beetle	<i>Callosobruchus maculatus</i>	Cowpea, Soybean
→ Colorado beetle	<i>Leptinotarsa decemlineata</i>	Potato
→ Brown plant hopper	<i>Nilaparvata lugens</i>	Rice



Herbicide Resistance:-

- Weeds are unwanted & useless plants that grow along with the crop plants
- Weeds compete with the crops for light & nutrients, besides harboring various pathogens, so it is estimated that the world's crop yield is reduced by 10-15% due to presence of weeds
- To tackle the problem of weeds, Modern agriculture has developed a wide range of weed killers (herbicides).
- Herbicides are broad spectrum as they can kill wide range of weeds.

Problems in the applications of herbicides:-

- Lack of tolerance to the chemical by one or more of the major world crops.
eg:- Rice, Maize, Soyabean, Wheat, Rapeseed
- Use of Multiple types of herbicides to broaden the spectrum of the affected weeds, which in turn increases the possibility that the crop is injured also.



Glyphosate:-

- It is a broad spectrum herbicide, effective against 16 weeds worst 78 weeds.
- Less toxic to animals, is rapidly degraded & short life span
- The American company (Monsanto) Market it as "Roundup"
- Capable of killing the plants in low conc.
- Rapidly transported to growing tissues
- It is a Competitive Inhibitor of EPSPS (a key enzyme in Tryptophan Synthesis)



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- Glyphosate binds with EPSPs & blocks metabolism (aa).
- Thus biosynthesis of tryptophan & other products are inhibited. So, cell division & plant growth stopped.
- Selected examples of gene transferred herbicide resistant plants

<u>Herbicide</u>	<u>Gene transfer / Mechanism of resistance</u>	<u>Transgenic crops</u>
Glyphosate	Inhibition of EPSPs	Soya bean, Tomato.
Glyphosate	Detoxification by glyphosate Oxidase	Maize, Soya bean.
phosphinothricin	bar gene coding phosphinothricin acetyltransferase	Maize, Juice, potato, sugar beet, wheat tomato.
Atrazine	Mutant plant with chloroplast PSII gene	soyabean
Cyanamide	Cyanamide hydratase gene	Tobacco.

Disease Resistance :-

In the last two decades, considerable efforts have been made on the development of transgenic plants using utilizing a broad range of genes to enhance resistance against fungus, bacteria and viral pathogens.

Ming et al. (2008) reported a draft genome sequence of Sunup papaya, the first virus acisplant transgenic fruit authorised for field cultivation and commercialisation





Fungal and Bacterial Resistance:-

For fungal and bacterial diseases, the following four strategies have been applied to make disease resistant transgenic disease-resistant plant used,

- Genes encoding pathogenesis-related proteins, antimicrobial peptides or antimicrobial metabolites.
- Genes that encode detoxification mechanism.
- Genes that have a role in pathogen recognition.
- Genes that regulate defense mechanisms.



Bl. Brinjal

Virus resistant plants:-

For viral diseases, all viral molecules including genomes and three types of proteins: Coat proteins (CP), movement proteins and proteins involved in genome replication, represent potential targets for a genetically modified (GM) resistance strategy.

This approach is based on the concept of pathogen-derived resistance (PDR) in which pathogenic virus itself is used as gene source for developing genetically engineered viral resistant plant.

Some of the earliest success stories for producing virus-resistant plants by genetic engineering were using viral CP as a transgene.

Ex:- Coat protein genes are involved in resistance to diseases such as Cucumber mosaic virus, tobacco etch virus and potato virus X.



Development of transgenic Crops :-

Genetically Engineered plants are generated in a laboratory by altering the genetic-make-up, usually by adding one or more genes to a plant's genome. The nucleus of the plant-cell is the target cell for the new transgenic DNA.

Most of the genetically modified plants are generated by biolistic method (particle gun method) or by *Agrobacterium tumefaciens* mediated transformation method.

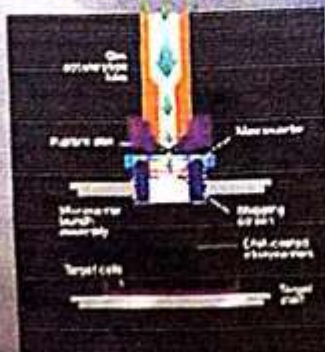
The "Gene Gun" method also known as the micro-projectile Bombardment or Biolistic method is most commonly used in the species like corn and rice.

This method has been applied successfully for many crops especially monocots like wheat or Maize, for which transformation using *Agrobacterium tumefaciens*, has been less successful.

The only disadvantage of this process is that serious damage can be happened to the cellular tissue.

A new way of injecting genetic information

THE BIOLISTIC METHOD





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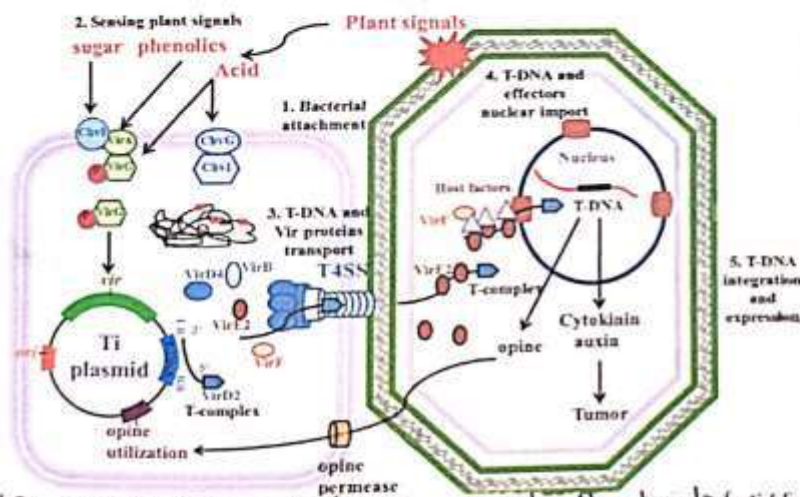
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The next method used for the development of genetically engineered plants, is the "Agrobacterium" method. It involves the use of soil-dwelling bacteria known as *Agrobacterium tumefaciens*. It has the ability to infect plant cells with a piece of its DNA. The piece of DNA, that infects the plant, is integrated into a plant chromosome, through a tumour inducing plasmid (Ti plasmid). The importance of this plasmid is that, it contains regions of transfer DNA (tDNA), where a researcher can insert a gene, which can be transferred to plant cell through a process known as "fibre dip".

• This method works especially well for the dicotyledonous plants like potatoes, tomatoes and tobacco plants.



In research, tobacco and *Arabidopsis thaliana* are the most genetically modified plants, due to well developed transformation methods, easy propagation and well studied genomes.

Transgenic plants have also been used for bioremediation and organic pollutants, like PCBs (polychlorinated biphenyls) have been removed from soils by transgenic plants containing genes for bacterial enzymes.



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* Advantages of transgenic plants :-

- GM Technology has been used to produce a variety of crop plants to date. As the Global population continues to expand, food remains a scarce resource.
- Genetically Engineered foods offer many significant benefits by improving production yield, lowering transportation costs, and enhancing the nutritional content.
- Several GM crops for cultivation Malnutrition are expected to be revealed for cultivation in the coming five to ten years.
- Golden rice may be a useful tool to treat the problem of vitamin A deficiency in young children living in the tropics.
- Important advantage of GM food is its enhanced ability to withstand long-distance transportation.
- The GM Crops are picked when still green and allowed to ripen.



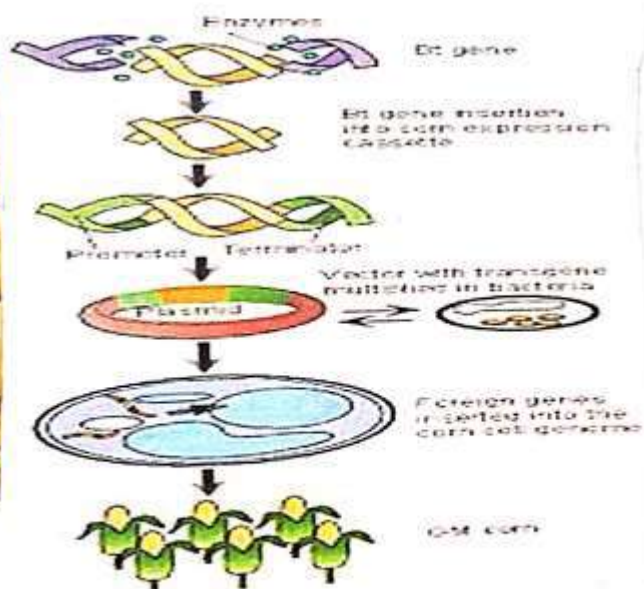
golden rice



Disadvantages of transgenic plants

- Different in codon usage between plants and prokaryotes can lead to therapeutic agents due to ease to genetic manipulations, lack of potential contamination, low cost of biomass production, short time duration of production and conservation of eukaryotic cell machinery mediating protein modification
- Some plants may produce some allergic compounds
- Transgenic plants can work as a biofactory to produce number valuable products related pharmaceuticals, therapeutic proteins, vaccines, many industrial enzymes, antibodies, and many other secondary metabolites.

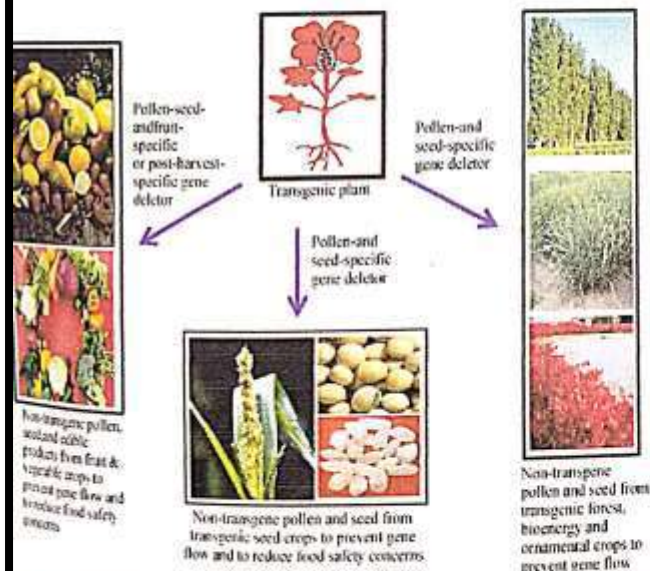
→ Transgenic plants and their products are also used commercial





Genetically modified crops - Conclusion on agricultural biotechnology

- Agricultural biotechnology may be viewed as a complement to conventional agriculture.
- It enables the transfer of genetic material between organisms that would not normally crossbreed.
- Agricultural biotechnology is both the same time since it cannot stand it own. To achieve usable results it needs both classical plant breeding.
- Genetically modified crops have been introduced in fields have not reported any significant health damage or environmental harm
- Pests have not developed resistance to Bt
- The association of genetically modified crops are with antibiotic resistance
- Science cannot declare any technology completely risk free.



- Genetically modified crops can reduce some environmental risk associated with conventional agriculture, but will also introduce new challenges.
- Society will have to decide when and where genetic engineering is safe enough (FAO 2004).

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Certificate

Certified that this is a bonafide record of Project work entitled "Food chain and Food web" done by **III B.Sc CBZ students** of S.G.A Government Degree College, Yellamanchili during the year 2021-22.

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Botany project
Work
Food chain & Food web

Subhodaya

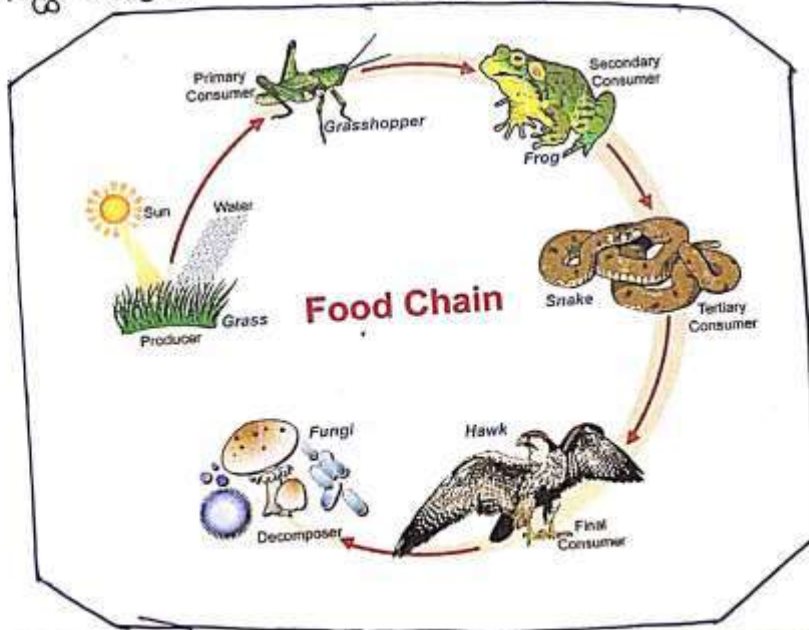


ఆహారపు గొలుసులు

ఒక ఆహార వ్యవస్థలో ఉత్పత్తిదారుల నుండి వివిధ రకాల వినియోగదారులకు జరిగే ఆహార పదార్థాల రవాణాను ఆహారపు గొలుసు [Food chain]-అంటారు. ఉత్పత్తిదారులైన ఆకుపచ్చని మొక్కలు సూర్యరశ్మి పత్రహరితము సమక్షంలో నీరు, కార్బన్ డై ఆక్సైడ్లను సేమీయేన పర-చి కార్బో-హైడ్రేటులను సంశ్లేషణ చేస్తాయి. శక్తి భరితమైన ఈ ఆహార పదార్థాలు ఉత్పత్తిదారుల నుండి సాక్షాత్తులకు, సాక్షాత్తుల నుండి ప్రథమ మాంసాహారులకు మాంసాహారుల నుండి ఉన్నత స్థాని మాంసాహారులకు రవాణా అవుతాయి. ఈ విధంగా ఒకే జీవి మరొక జీవికి ఆహార పదార్థాలను సమకూరుస్తుంది.

హచ్చుకే బయళ్ళ ఆహార వ్యవస్థ లో ఆహారపు గొలుసు ఉత్పత్తిదారులైన గడ్డి మొక్కలతో ప్రారంభమవుతుంది. గడ్డి మొక్కలను మిడతలు మిడతలను కీటకాలు, కీటకాలను పాములు, పాములను గ్రద్దలు ఆహారంగా తీసుకొంటూ ఆహారపు గొలుసు సరిపరుస్తాయి.

బి:— గడ్డిమొక్కలు → మిడతలు → కీటకాలు → పాములు → గ్రద్దలు





జీవరపు గొలసుల సాధారణంగా మూడు రకాలుగా ఉంటాయి.

ఉదా: (i) గ్రీజింగ్ జీవరపు గొలసు

(ii) పశుసేవ జీవరపు గొలసు

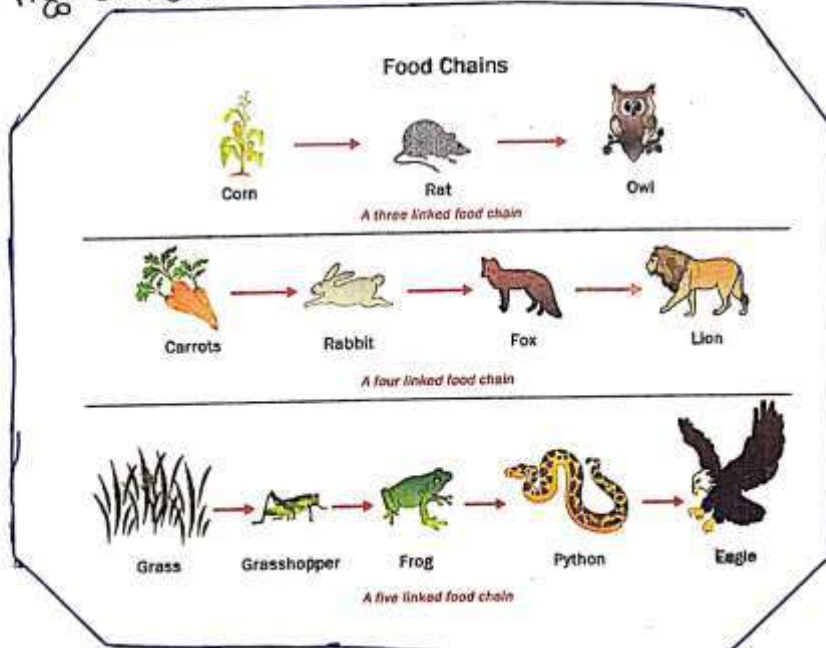
(iii) డెప్రెసిన్ జీవరపు గొలసు

* గ్రీజింగ్ (తాదా) పరభక్షి జీవరపు గొలసు :-

గ్రీజింగ్ జీవరపు గొలసు ఉత్పత్తిదారులైన జీవరపు
ని మొక్కలతో ప్రారంభమవుతుంది. ఉత్పత్తిదారుల నుండి జీవరపదార్థాలు
ల మొక్కలను మన జంతువుల నుండి జీవరపదార్థాలు మాంసాహారుల
కు రవాణా ఉవుతాయి. ఈ రకమైన జీవరపు గొలసు ప్రత్యక్షంగా సూర్య
శక్తిపై ఆధారపడి ఉంటుంది.

భూమి జీవరణ వ్యవస్థలో గ్రీజింగ్ జీవరపు గొలసులు క్రింది
విధంగా మారుతున్నాయి.

ఉదా:- గడ్డి మొక్కలు → కుండలు → పక్షి → తిండి → పులి





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ప్రజ్ఞాపత్రం సిద్ధియి పదాంశాలకు, జీవులకు మధ్య వారధిగా ఈ జిహ్వరపు గిలను పనిచేస్తుంది. ఈ జిహ్వరపు వ్యవస్థలు సక్తి కలిగి నేరుగా సూర్యకాంతిపై ఆధారపడి ఉంటుంది. సహి ముఖ దాహరాలు వద్ద సమస్త ఆర్ ప్రాంతాలలోని మాంగ్రూవ జిహ్వరపు వ్యవస్థలూ ఇటువంటి జిహ్వరపు గిలనులు కలిగివున్నాయి. మాంగ్రూవ మొక్కల ముదురు పల్త్రాలు కిందకు రాలి, వచ్చుగా, అలాగే ఆకుపచ్చగా ఉండి ఉపయోగపడతాయి.

ఈ పూజకార్యాల గిలనులూ దాదాపు 90 శాతం వ్యతీ కలిగివున్నాయి సక్తి వినియోగించుకుంటుంది - అవును.

మాంగ్రూవ వృక్ష సంపదలూ పాటు. సమస్త వృక్షాలూ పరిగి గడ్డిమొక్కలు, కైలాలు కలిగి మొక్కలు సమస్త ఆర్ ప్రాంతాలలో పనిచేసి పరిశ్రమకు ఎంతో సహాయపడుతున్నాయి.

జిహ్వరపు గిలనుల ప్రాధాన్యత :— ఒక జిహ్వరపు వ్యవస్థలని వివరించే జీవరాశుల మధ్య గల పరస్పర సంబంధాలను అవగాహన చేసుకోవడానికి జిహ్వరపు గిలనులు సహాయపడుతాయి. అలాగే గానీ జీవావరణాలలో సక్తి ప్రవహించే విధానం, ఇదిజ మూలకాల పరిసర-చరణ మరియు వివిధ పదార్థాలైన ఆకుపచ్చాశుక పదార్థాలు జీవులలో చేరి హానికరంగా చేరి వివిధ పదార్థాలను అక్కడ చేసుకోవడానికి జిహ్వరపు గిలనులు అడ్డంకు అవుతుంటుంది.

ప్రాణాంతకమైన జిగ్గనీక్లిరిస్ వ్యాధిగ్రస్తులు జిహ్వరపు గిలనులతో మొక్కలకు, జంతువులకు ఎదురవుతున్న వ్యాధి, జంతువు అవుతుంది. ఒక అడ్డంకు ప్రకారం ప్రతి ఆమెరికన్ వానపక్షి దీహంలో

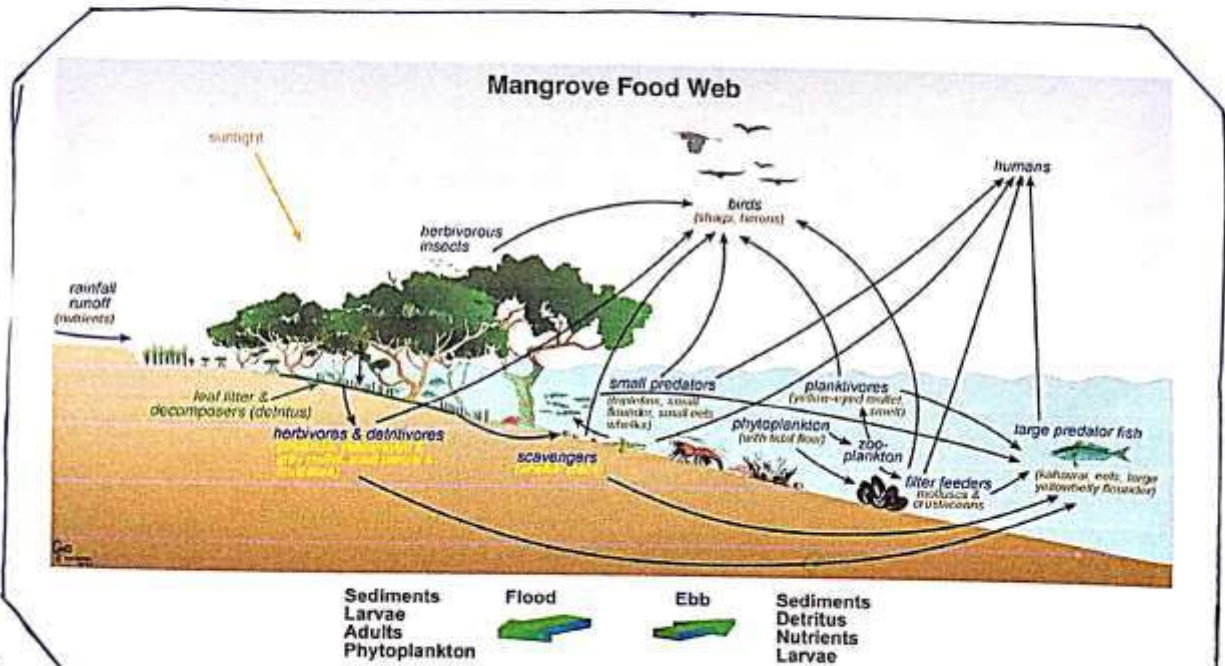
సమాధి || 99m DDT చేరినట్లు తెలుస్తున్నది.



* పూతీకాయల గిలను :-

బాబ్బరియంబ, గిలంద్రాలు, ప్రొటోజోవాన్లు ముడి సూక్ష్మజీవులు తమ జీవరం కొరకు -చనిపోయిన ఆదా క్షోవరియన్ జీవులపై ఆధారపడతాయి. వీటిని పూతీకాయలు అంటారు. ఈ సూక్ష్మ జీవులు మృతీ కళేబరాలను పూజ్యంపజేసి సరళ కర్చున పదార్థాలను ఇహర పదార్థాలుగా స్వీకరిస్తాయి. ఇటువంటి ఇహరపు గిలనును "పూతీకాయల గిలను" అంటారు.

మాంగ్రోవ వృక్ష సంపదల పాట, సముద్రపు నీటిలోని మిగిలిన గడ్డి మెకరాలు, సైలాల కలుపు మెకరాలు సముద్రపు ప్రాంతాలలోని పేదల పరిశ్రమను ఎంతో సహాయపడుతున్నాయి.



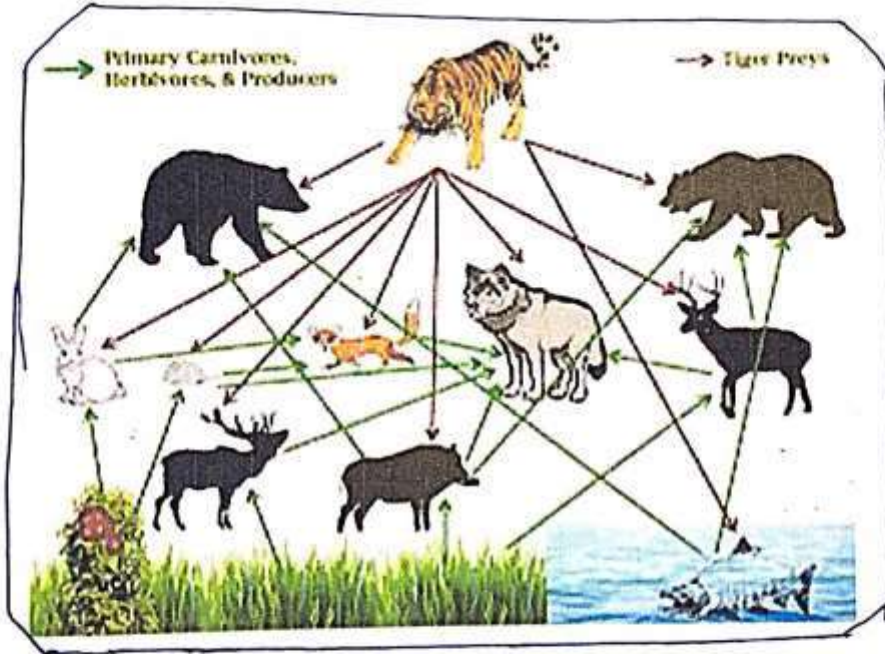


జిహ్వ వల :



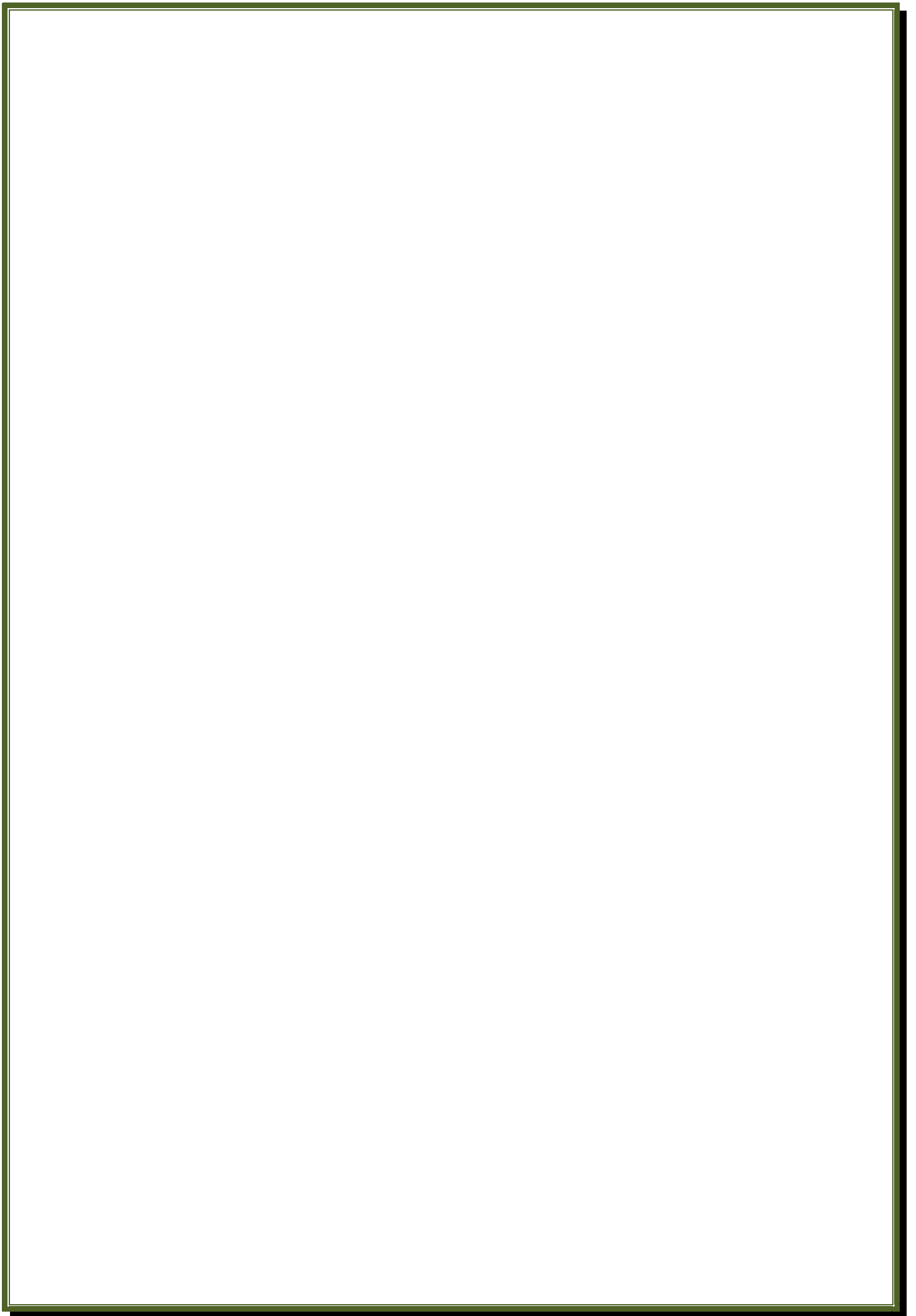
ప్రకృతి సత్వంగా ఒక జీవరణ వ్యవస్థలో జిహ్వ గణాంకం అనేకం ఉంటుంది. ఇది సమతుల్యంగా ఉంటుంది. ఒక దానిలో మరొకటి లంకెలో ఒక సంక్లిష్టమైన జిహ్వ గణాంకం సంక్లిష్టమైనదిగా ఉంటుంది. ఈ జిహ్వ గణాంకం సంక్లిష్టమైన "జిహ్వ వల" అంటారు.

ఒక వ్యవస్థలో ఒకటి జీవరణ వ్యవస్థలో ఇది జిహ్వ గణాంకం అనేది వివిధ జిహ్వ వలను వివిధ దిశలలో తెలుపుతుంది.



కాబట్టి ప్రకృతిలోని ప్రకృతి వలలో జీవ మరొక జీవ వలను తెలుపుతుంది. ఉదాహరణకు ప్రకృతిలోని సమతుల్యత అంటారు.







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6	119135403007	BODDU TRIVENI	III B.Com	Yes	B. Triveni
7	119135403008	BOGIREDDY RAJU	III B.Com	Yes	B. Raju
8	119135403009	BOTTA VASU	III B.Com	Yes	B. Vasu
9	119135403010	CHANDANADA GAESH	III B.Com	Yes	CH. Ganesh
10	119135403011	CHELAPAKA RAMALAKSHMI	III B.Com	Yes	CH. Ramalakshmi
11	119135403012	CHINNA RAMYA	III B.Com	Yes	CH. Ramya
12	119135403013	CHOKKA HAREESH	III B.Com	Yes	CH. Hareesh
13	119135403014	CHOKKA TATAJI	III B.Com	Yes	CH. Tataji
14	119135403015	DASARI PUSHPA	III B.Com	Yes	D. Pushpa
15	119135403016	DEVULAPALLI SRILAKSHMI	III B.Com	Yes	D. Sri Lakshmi
16	119135403017	EGALA CHANTI	III B.Com	Yes	E. Chanti
17	119135403018	GANAGALLA APPALARAJU	III B.Com	Yes	G. Appalaraju
18	119135403019	GARLI DEVI	III B.Com	Yes	G. Devi
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24	119135403026	KARANAM MAHESH	III B.Com	Yes	K. Mahesh
25	119135403027	KARNI DIVYA	III B.Com	Yes	K. Divya
26	119135403028	KASALA JEEVANANDAM	III B.Com	Yes	K. Jeevanandam
27	119135403029	KILLADI BHAGYASRI	III B.Com	Yes	K. Bhagya Sri
28	119135403030	KILLADI KURMADEVI	III B.Com	Yes	K. Kurma Devi
29	119135403031	KOLLI PADMINI	III B.Com	Yes	K. Padmini
30	119135403032	KOMMOJU SUPRIYA	III B.Com	Yes	K. Supriya
31	119135403033	KOSURU POJITHA	III B.Com	Yes	K. Pajitha
32	119135403034	KOSURCE SANDHYARANI	III B.Com	Yes	K. Sandhyarani
33	119135403036	MADASI JAYANTH	III B.Com	Yes	M. Jayanth
34	119135403037	MADDA SRAVANTHI	III B.Com	Yes	M. Sravanthi
35	119135403038	MAHENDRA JAREESHA	III B.Com	Yes	M. Jareesh
36	119135403039	MALASALA SIRISHA	III B.Com	Yes	M. Sirisha
37	119135403040	MAMIDI GANESH	III B.Com	Yes	M. Ganesh


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Project Work Completed Students List - 2021-22

S.NO	REG. NO	NAME OF THE STUDENT	GROUP	Project Submitted	Signature
38	119135403041	MARKONDA NIREESHA KUMARI	III B.Com	Yes	M.N. Kumari
39	119135403042	NADIMPALLI PARAVATHI	III B.Com	Yes	N. Paravathi
40	119135403043	NEELI SAILAKSHMI	III B.Com	Yes	N-sailakshmi
41	119135403044	NELAPUDI RAMALAKSHMI	III B.Com	Yes	N- Ramalakshmi
42	119135403046	PANDURU RAVALI	III B.Com	Yes	P. Raval
43	119135403047	PERURI DIVYA	III B.Com	Yes	P. Divya
44	119135403048	PIKKI JYOTHI	III B.Com	Yes	p. Jyothi
45	119135403049	PUVVALA UMA	III B.Com	Yes	P. Uma
46	119135403050	RAJANA S. V. NAGA LAKSHMI	III B.Com	Yes	R. S. V. Naga Lakshmi
47	119135403051	SUMALA APPALARAJU	III B.Com	Yes	S. Appalaraju
48	119135403052	SARIPALLI ANURADHA	III B.Com	Yes	S. Anuradha
49	119135403053	SENAPATHI ANIL KUMAR	III B.Com	Yes	S. Anil Kumar
50	119135403056	THIRUVEEDHEELA SRAVANI	III B.Com	Yes	T. Sravani
51	119135403057	TUMMARADA MADHURI DIVYA	III B.Com	Yes	T.M. Divya
52	119135403059	VANTHEE RAVEENDRA	III B.Com	Yes	V. Raveendra
53	119135403060	VARADHA GAYATHI	III B.Com	Yes	V. Gayatri


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Abstract

S.NO	YEAR	GROUP	TITLE OF THE PROJECT	NO.OF STUDENTS COMPLETED	REMARKS
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2	2022	III B.Com	Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Achyuthapuram Mandal	18	
3	2022	III B.Com	Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Rambilli Mandal	17	


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CERTIFICATE

This is to certify that the project work entitled “ Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Yelamanchili Mandal“ is a bonafide work done by the following group of students and submitted for evaluation during April 2023 under the supervision of Sri V Chittibabu, Lecturer in Commerce

S.NO	REG.NO	STUDENT NAME	GROUP
1	119135403002	BANGARAU SANYASAMMA	III B.Com
2	119135403003	BARNIKANNA SAI	III B.Com
3	119135403004	BARRE MADHAVI	III B.Com
4	119135403005	BATHINA DHANA RAJU	III B.Com
5	119135403006	BODDAPU MANIKANTA	III B.Com
6	119135403007	BODDU TRIVENI	III B.Com
7	119135403008	BOGIREDDY RAJU	III B.Com
8	119135403009	BOTTA VASU	III B.Com
9	119135403010	CHANDANADA GAESH	III B.Com
10	119135403011	CHELAPAKA RAMALAKSHMI	III B.Com
11	119135403012	CHINNA RAMYA	III B.Com
12	119135403013	CHOKKA HAREESH	III B.Com
13	119135403014	CHOKKA TATAJI	III B.Com
14	119135403015	DASARI PUSHPA	III B.Com
15	119135403016	DEVULAPALLI SRILAKSHMI	III B.Com
16	119135403017	EGALA CHANTI	III B.Com
17	119135403018	GANAGALLA APPALARAJU	III B.Com
18	119135403019	GARLI DEVI	III B.Com


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DEPARTMENT OF COMMERCE

PROJECT NAME: Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Yellamanchili Mandal

1. Objectives:

- To understand the role of commercial banks in Development of DWACRA groups I rural areas
- To understand the development of leadership qualities in illiterate women rural areas
- To study the impact of the DWACRA loans in creating financial empowerment in rural women
- To examine the awareness about small businesses for DWACRA groups
- To understand the income generation level by using DWACRA loans

2. Methodology:

- The III B.Com students carried out the Project entitled "Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Yellamanchili Mandal" by Project Method.
- The methodology adopted for the present study was focus discussion, interview and close observation through in house study. Since the project is based on action research it was necessary to build rapport to collect maximum information from the DWACRA members. The Students independently reviewed the literature and collected the information about the project and successfully completed and submitted their project.

3. Outcome / Result:

- Students learnt the Knowledge about DWACRA Scheme.
- Students learnt the various DWACRA loans
- Students learnt the knowledge about how to overcome financial deficits by using DWACRA loans.


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CERTIFICATE

This is to certify that the project work entitled " **Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Achyuthapuram Mandal**" is a bonafide work done by the following group of students and submitted for evaluation during April 2023, under the supervision of **Sri V Chittibabu, Lecturer in Commerce**

S.NO	REG. NO	STUDENT NAME	GROUP
19	119135403020	GUTALA TEJASWANI	III B.Com
20	119135403022	RAYI HARIKA	III B.Com
21	119135403023	JAMI KRISHNA	III B.Com
22	119135403024	JUTHUKA KAVYA	III B.Com
23	119135403025	KANTAMREDDI MANIKUMARI	III B.Com
24	119135403026	KARANAM MAHESH	III B.Com
25	119135403027	KARNI DIVYA	III B.Com
26	119135403028	KASALA JEEVANANDAM	III B.Com
27	119135403029	KILLADI BHAGYASRI	III B.Com
28	119135403030	KILLADI KURMADEVI	III B.Com
29	119135403031	KOLLI PADMINI	III B.Com
30	119135403032	KOMMOJU SUPRIYA	III B.Com
31	119135403033	KOSURU POJITHA	III B.Com
32	119135403034	KOSURCE SANDHYARANI	III B.Com
33	119135403036	MADASI JAYANTH	III B.Com
34	119135403037	MADDLA SRAVANTHI	III B.Com
35	119135403038	MAHENDRA JAREESHA	III B.Com
36	119135403039	MALASALA SIRISHA	III B.Com


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DEPARTMENT OF COMMERCE

PROJECT NAME: Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Achyuthapuram Mandal

1. Objectives:

- To understand the role of commercial banks in Development of DWACRA groups in rural areas
- To understand the development of leadership qualities in illiterate women rural areas
- To study the impact of the DWACRA loans in creating financial empowerment in rural women
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CERTIFICATE

This is to certify that the project work entitled “ **Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Rambilli Mandal**” is a bonafide work done by the following group of students and submitted for evaluation during April 2023, under the supervision of **Sri V Chittibabu , Lecturer in Commerce**

S.NO	REG. NO	NAME OF THE STUDENT	GROUP
37	119135403040	MAMIDI GANESH	III B.Com
38	119135403041	MARKONDA NIREESHA KUMARI	III B.Com
39	119135403042	NADIMPALLI PARAVATHI	III B.Com
40	119135403043	NEELI SAILAKSHMI	III B.Com
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44	119135403048	PIKKI JYOTHI	III B.Com
45	119135403049	PUVVALA UMA	III B.Com
46	119135403050	RAJANA S. V. NAGA LAKSHMI	III B.Com
47	119135403051	SUMALA APPALARAJU	III B.Com
48	119135403052	SARIPALLI ANURADHA	III B.Com
49	119135403053	SENAPATHI ANIL KUMAR	III B.Com
50	119135403056	THIRUVEEDHEELA SRAVANI	III B.Com
51	119135403057	TUMMARADA MADHURI DIVYA	III B.Com
52	119135403059	VANTHEE RAVEENDRA	III B.Com
53	119135403060	VARADHA GAYATHI	III B.Com


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DEPARTMENT OF COMMERCE

PROJECT NAME: Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Rambilli Mandal

1. Objectives:

- To understand the role of commercial banks in Development of DWACRA groups I rural areas
- To understand the development of leadership qualities in illiterate women rural areas
- To study the impact of the DWACRA loans in creating financial empowerment in rural women
- To examine the awareness about small businesses for DWACRA groups
- To understand the income generation level by using DWACRA loans

2. Methodology:

- The III B.Com students carried out the Project entitled "Banking Services in Respect of DWACRA Loan Disbursement and Development of the DWACRA Groups with reference to Rambilli Mandal" by Project Method.
- The methodology adopted for the present study was focus discussion, interview and close observation through in house study. Since the project is based on action research it was necessary to build rapport to collect maximum information from the DWACRA members. The Students independently reviewed the literature and collected the information about the project and successfully completed and submitted their project.

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Project report on
BANKING SERVICES IN RESPECT OF DWACRA LOAN
DISBURSEMENT AND DEVELOPMENT OF THE DWACRA GROUPS
(With reference to Bhogapuram, Andhra Pradesh Grameena Vikas Bank)



SGA GOVT. DEGREE COLLEGE, YELLAMANCHILI
DEPARTMENT OF COMMERCE

Under the guidance of
V.Chittibabu
Lecturer in Commerce
M.Com, B.L.(Ph.d)

Submitted by
SARIPALLI ANURADHA
III B.Com (6th Sem)
Reg no : 119135403052

P.Chandra Sekhar M.Sc.,Ph.D
Principal
SGA Govt Degree College

Sri Rekha Rama Rao
M.Com, M.A(Litt) M.Phil, B.Ed
HOD of Commerce

Sri M. Kishore
M.Com(Ph.D)
Lecturer inCommerce

CERTIFICATE

This is to certify that the project work entitles A project Report on BANKING SERVICES IN RESPECT OF DWACRALOAN DISBURSEMENT AND DEVELOPMENT OF THE DWACRA GROUPS" with reference to Bhogapuram , Andhra Pradesh Grameena Vikas Bank is a genuine work done by Mr./Ms SARIPALLI ANURADHA. Reg No. 119135403052 student of Sri Gurajada Apparao Government Degree College, Yelamanchili for the award of Bachelor of Commerce from Andhra University under the guidance and supervision.

Place: Yelamanchili
Date: 30 Mar 2022


(V.CHITTIBABU)
Lecturer in Commerce

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05	FACTS AND FINDINGS		
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**TABULATION OF DWACRA MEMBER IN RESPECT OF APGVB
BOGAPURAM**

No of Responses to the question :

Do you agree people are earning more money by using DWACRA loan?

Strongly Disagree	Disagree	Can't Say	Strongly Agree	Agree
0	20	9	6	15

No of Responses to the question :Do you agree people are earning more money by using DWACRA loan?



maximum respondents have the given answer to the above question as strongly agreed and agreed in all together .[i.e 21 respondents out of 50 respondents] From the above data we can understand that DWACRA members are earning more by using the DWACRA loan.