

A Project Report on

## **PLANTATION**

Submitted in partial fulfillment of the requirements for the award of the degree of

### **BACHELOR OF TECHNOLOGY**

in

#### **CSE – DATA SCIENCE**

Submitted by

<b>G. LOKESH</b>	<b>23MH1A4417</b>
<b>M. CHAITHANYA</b>	<b>23MH1A4434</b>
<b>R. MADHAVI</b>	<b>23MH1A4453</b>
<b>K. BHAVAJ SATYA</b>	<b>23MH1A4431</b>
<b>R. CHINNARI</b>	<b>23MH1A4454</b>

**Under the esteemed supervision of**

**M.SRI DURGA, M .Tech  
ASSISTANT PROFESSOR**



**DEPARTMENT OF CSE-(DS)  
ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

**(AUTONOMOUS)**

**Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada**

**Accredited by NAAC (A+) and NBA**

**Surampalem, Kakinada District, Andhra Pradesh - 533 437  
2023-2027**

## **Community Service Project Report**

Submitted in accordance with the requirement for the degree of  
**Bachelor of Technology**

Name of the College : Aditya College Of Engineering & Technology(A)

Department : CSE – DS

Name of the Faculty Guide : Mrs. M.SRI DURGA, M.Tech

Duration of the CSP : 19-05-2024 to 04-06-2024

Name of the Student : G.LOKESH

Programme of Study : Bachelor of Technology

Register Number : 23MH1A4417

Year of Study : 2024 – 2025

Semester : 2-1

Date of Submission :

## **Community Service Project Report**

Submitted in accordance with the requirement for the degree of  
**Bachelor of Technology**

Name of the College : Aditya College Of Engineering & Technology(A)

Department : CSE – DS

Name of the Faculty Guide : Mrs. M.SRI DURGA, M.Tech

Duration of the CSP : 19-05-2024 to 04-06-2024

Name of the Student : M. CHAITANYA

Programme of Study : Bachelor of Technology

Register Number : 23MH1A4434

Year of Study : 2024 – 2025

Semester : 2-1

Date of Submission :

## **Community Service Project Report**

Submitted in accordance with the requirement for the degree of  
**Bachelor of Technology**

Name of the College : Aditya College Of Engineering & Technology(A)

Department : CSE – DS

Name of the Faculty Guide : Mrs. M.SRI DURGA, M. Tech

Duration of the CSP : 19-05-2024 to 04-06-2024

Name of the Student : R. MADHAVI

Programme of Study : Bachelor of Technology

Register Number : 23MH1A4453

Year of Study : 2024 – 2025

Semester : 2-1

Date of Submission :

## **Community Service Project Report**

Submitted in accordance with the requirement for the degree of  
**Bachelor of Technology**

Name of the College : Aditya College Of Engineering & Technology(A)

Department : CSE – DS

Name of the Faculty Guide : Mrs. M.SRI DURGA, M.Tech

Duration of the CSP : 19-05-2024 to 04-06-2024

Name of the Student : K. BHAVAJ SATYA

Programme of Study : Bachelor of Technology

Register Number : 23MH1A4431

Year of Study : 2024 – 2025

Semester : 2-1

Date of Submission :

## **Community Service Project Report**

Submitted in accordance with the requirement for the degree of  
**Bachelor of Technology**

Name of the College : Aditya College Of Engineering & Technology(A)

Department : CSE – DS

Name of the Faculty Guide : Mrs. M.SRI DURGA, M.Tech

Duration of the CSP : 19-05-2024 to 04-06-2024

Name of the Student : R. CHINNARI

Programme of Study : Bachelor of Technology

Register Number : 23MH1A4454

Year of Study : 2024 – 2025

Semester : 2-1

Date of Submission :

# **ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

**An AUTONOMOUS Institution**



Approved by AICTE, Permanently Affiliated to JNTUK, Accredited by NBA & NAAC with A+ Grade  
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956  
Aditya Nagar, ADB Road, Surampalem, Kakinada District - 533 437, A.P.  
Ph: 99591 76665, Email: office@acet.ac.in, www.acet.ac.in

## **VISION**

To induce higher planes of learning by imparting technical education with

- ✓ International standards
- ✓ Applied research
- ✓ Creative Ability
- ✓ Value based instruction and to emerge as a premiere institute

## **MISSION**

Achieving academic excellence by providing globally acceptable technical education by forecasting technology through

- ✓ Innovative Research And development
- ✓ Industry Institute Interaction
- ✓ Empowered Manpower



  
Principal  
**PRINCIPAL**  
Aditya College of  
Engineering & Technology  
SURAMPALAM- 533 437

**DEPARTMENT OF CSE - DS**  
**VISION & MISSION OF THE DEPARTMENT**

**VISION**

To be globally recognized in the fields of Data Science by producing competent professionals and conducting applied research, with the ultimate objective of meeting the technological challenges faced by the nation and society.

**MISSION**

**M1:** To develop practical, trained, and skilled professionals in the areas of Data Science to meet the demands of the corporate world.

**M2:** To collaborate with Industry and Research Laboratories through project-based learning and Internships, enabling the students to explore and apply various directions of learning at the national and international levels.

**M3:** To prepare students as Leaders of Tomorrow with a competent, innovative mind-set and socially responsible.

**M4:** To be recognized as a globally known centre of Excellence in emerging areas of Data Science.

**PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)**

<b>PEO1:</b>	Engage to work productively as design and development Engineers, cater to supportive and Leadership roles in multidisciplinary domains.
<b>PEO2:</b>	Learn and advance their careers by attaining professional certification and seeking higher education.
<b>PEO3:</b>	Possess skill in Data Science expertise ready to serve the society locally and internationally.

**PROGRAMME SPECIFIC OUTCOMES (PSOS)**

<b>PSO1:</b>	Ability to develop computational knowledge and project development skills using innovative tools and techniques to solve problems in the areas related to Data Science.
<b>PSO2:</b>	Apply the principal concepts of Data Engineering to design, develop, deploy and prototype subsystems.
<b>PSO3:</b>	Apply the knowledge gained pertaining to data storage , data analytics and Data Science to solve real world business problems.

*ICB Bhagat*  
HEAD OF THE DEPARTMENT

# **ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)**

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada Accredited by NAAC (A+) and NBA

## **DEPARTMENT OF CSE – DATA SCIENCE**



## **CERTIFICATE**

This is to certify that the Community Service Project work entitled, "**PLANTATION**", is a Bonafide work carried out by **G. LOKESH (23MH1A4417)**, in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CSE – DATA SCIENCE** from **Aditya College of Engineering and Technology (A)**, Surampalem, during the academic year 2024-2025.

This project work has not been submitted in full or part to any other University or Educational Institute for the award of any Degree or Diploma.

### **PROJECT SUPERVISOR**

Mrs. M.SRI DURGA, M.Tech  
Assistant Professor

### **HEAD OF THE DEPARTMENT/HEAD OF THE INSTITUTE**

Dr. K. Naga Bhargavi, Ph.D., M.Phil., Dr. K. Naga Bhargavi, Ph.D., M.Phil.  
Associate Professor Associate Professor Associate Professor

### **EXTERNAL EXAMINER**

# **ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

## **(AUTONOMOUS)**

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada

Accredited by NAAC (A+) and NBA

### **DEPARTMENT OF CSE – DATA SCIENCE**



### **CERTIFICATE**

This is to certify that the Community Service Project work entitled, "**PLANTATION**", is a Bonafide work carried out by **M. CHAITHANYA (23MH1A4434)**, in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CSE- DATA SCIENCE** from **Aditya College of Engineering and Technology (A)**, Surampalem, during the academic year 2024-2025.

This project work has not been submitted in full or part to any other University or Educational Institute for the award of any Degree or Diploma.

#### **PROJECT SUPERVISOR**

Mrs. M.SRI DURGA, M.Tech  
Assistant Professor

#### **HEAD OF THE DEPARTMENT**

Dr. K. Naga Bhargavi, M. Tech., Ph.D.  
Associate Professor

#### **EXTERNAL EXAMINER**

# **ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

## **(AUTONOMOUS)**

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada

Accredited by NAAC (A+) and NBA

### **DEPARTMENT OF CSE – DATA SCIENCE**



### **CERTIFICATE**

This is to certify that the Community Service Project work entitled, "**PLANTATION**", is a Bonafide work carried out by **R. MADHAVI (23MH1A4454)** in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CSE – DATA SCIENCE** from **Aditya College of Engineering and Technology (A)**, Surampalem, during the academic year 2024-2025.

This project work has not been submitted in full or part to any other University or Educational Institute for the award of any Degree or Diploma.

#### **PROJECT SUPERVISOR**

Mrs. M.SRI DURGA, M.Tech  
Assistant Professor

#### **HEAD OF THE DEPARTMENT**

Dr. K. Naga Bhargavi, M. Tech., Ph.D.  
Associate Professor

#### **EXTERNAL EXAMINER**

# **ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

## **(AUTONOMOUS)**

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada

Accredited by NAAC (A+) and NBA

### **DEPARTMENT OF CSE – DATA SCIENCE**



### **CERTIFICATE**

This is to certify that the Community Service Project work entitled, "**PLANTATION**", is a Bonafide work carried out by **K. BHAVAJ SATYA (23MH1A4431)** in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CSE - DATA SCIENCE** from **Aditya College of Engineering and Technology (A)**, Surampalem, during the academic year 2024-2025.

This project work has not been submitted in full or part to any other University or Educational Institute for the award of any Degree or Diploma.

#### **PROJECT SUPERVISOR**

Mrs. M. SRIDURGA, M. Tech

Assistant Professor

#### **HEAD OF THE DEPARTMENT**

Dr. K. Naga Bhargavi, M. Tech., Ph.D.

Associate Professor

#### **EXTERNAL EXAMINER**

# **ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

## **(AUTONOMOUS)**

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada

Accredited by NAAC (A+) and NBA

### **DEPARTMENT OF CSE – DATA SCIENCE**



### **CERTIFICATE**

This is to certify that the Community Service Project work entitled, "**PLANTATION**", is a Bonafide work carried out by **R. CHINNARI (23MH1A4454)** in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CSE – DATA SCIENCE** from **Aditya College of Engineering and Technology (A)**, Surampalem, during the academic year 2024-2025.

This project work has not been submitted in full or part to any other University or Educational Institute for the award of any Degree or Diploma.

#### **PROJECT SUPERVISOR**

Mrs. M.SRI DURGA, M.Tech  
Assistant Professor

#### **HEAD OF THE DEPARTMENT**

Dr. K. Naga Bhargavi, M.Tech., Ph.D.  
Associate Professor Assistant

#### **EXTERNAL EXAMINER**

## **Student's Declaration**

I, G. LOKESH, a student of B. TECH Program, Reg. No. 23MH1A4417 of the Department of CSE(DS), ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY College do hereby declare that, I have completed the mandatory community service project from 19-05-2024 to 04-06-2024 in KADIYAPULANKA under the Faculty Guideship of Mrs. M.SRI DURGA Department of CSE (DS) in College ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY.

**(Student Signature and Date)**

## **Endorsements**

Faculty Guide

Mrs. M.SRI DURGA, M. Tech, Assistant Professor

Head of the Department

Dr. K. NAGA BHARGAVI, M. Tech., Ph.D.

## **Student's Declaration**

I, M. CHAITHANYA, a student of B. TECH Program, Reg. No. 23MH1A4434 of the Department of CSE(DS), ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY College do hereby declare that, I have completed the mandatory community service project from 19-05-2024 to 04-06-2024 in KADIYAPULANKA under the Faculty Guideship of Mrs. M.SRI DURGA Department of CSE (DS) in College ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY.

**(Student Signature and Date)**

### **Endorsements**

Faculty Guide

Mrs. M.SRI DURGA, M. Tech, Assistant Professor

Head of the Department

Dr. K. NAGA BHARGAVI, M. Tech., Ph.D.

## **Student's Declaration**

I, R. MADHAVI, a student of B. TECH Program, Reg. No. 23MH1A4453 of the Department of CSE(DS), ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY College do hereby declare that, I have completed the mandatory community service project from 19-05-2024 to 04-06-2024 in KADIYAPULANKA under the Faculty Guideship of Mrs. M.SRI DURGA Department of CSE (DS) in College ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY.

**(Student Signature and Date)**

## **Endorsements**

Faculty Guide

Mrs. M.SRI DURGA, M. Tech, Assistant Professor

Head of the Department

Dr. K. NAGA BHARGAVI, M. Tech., Ph.D.

## **Student's Declaration**

I, K. BHAVAJ SATYA, a student of B. TECH Program, Reg. No. 23MH1A4431 of the Department of CSE(DS), ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY College do hereby declare that, I have completed the mandatory community service project from 19-05-2024 to 04-06-2024 in KADIYAPULANKA under the Faculty Guideship of Mrs. M.SRI DURGA Department of CSE(DS) in College ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY.

**(Student Signature and Date)**

### **Endorsements**

Faculty Guide

Mrs. M.SRI DURGA, M. Tech, Assistant Professor

Head of the Department

Dr. K. NAGA BHARGAVI, M. Tech., Ph.D.

## **Student's Declaration**

I, R. CHINNARI, a student of B. TECH Program, Reg. No. 23MH1A4454 of the Department of CSE(DS), ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY College do hereby declare that, I have completed the mandatory community service project from 19-05-2024 to 04-06-2024 in KADIYAPULANKA under the Faculty Guideship of Mrs. M.SRI DURGA Department of CSE (DS) in College ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY.

**(Student Signature and Date)**

### **Endorsements**

Faculty Guide

Mrs. M.SRI DURGA, M. Tech, Assistant Professor

Head of the Department

Dr. K. NAGA BHARGAVI, M. Tech., Ph.D.

## Certificate from Official of the Community

This is to certify that G. LOKESH (23MH1A4417), M. CHAITHANYA (23MH1A4434), R. MADHAVI (23MH1A4453), K. BHAVAJSATYA (23MH1A4431), R. CHINNARI (23MH1A4454) of Aditya college of engineering & technology underwent community service in KADIYAPULANKA from 16-05-2024 to 26-05-2024. The overall performance of the community service Volunteer during his/her community service is found to be GOOD (satisfactory/good).

*Authorized Signatory with Date and Seal*

*P. Anitha*  
Village Horticulture Associate  
Kadiyapulanka-III Village Society  
Ettikam Mandal, E.G.D.F.

## **AKNOWLEDGEMENTS**

It is with immense pleasure that we would like to express our indebted gratitude to my **project supervisor, Mrs. SRI DURGA, M. Tech, Assistant Professor Department of CSE – DS** who has guided us a lot and encouraged us in every step of project work, his valuable moral support and guidance has been helpful in successful completion of this Project.

We wish to express our sincere thanks to **Dr. K. Naga Bhargavi** MTech., Ph.D., **Head of the Department of CSE – DATA SCIENCE**, for her valuable guidance given to us throughout the period of the project work.

We feel elated to thank **Dr. A. Ramesh**, M. Tech., Ph. D., **Principal**, of Aditya College of Engineering and Technology (A) for his encouragement and support in completion of our project and throughout our course.

We feel delighted to thank **Dr. P. S.V.V. RAVI KUMAR** M. Tech., Ph.D., **Dean (Academics)** of Aditya College of Engineering and Technology (A) for his cooperation in completion of our project work.

We wish to express our sincere thanks to all faculty members, and lab programmers for their valuable guidance given to us throughout the period of the project.

We avail this opportunity to express our deep sense and heart full thanks to the **Management of Aditya College of Engineering & Technology (A)** for providing a great support to us by arranging the trainers, and facilities needed to complete our project and for giving us the opportunity to do this work.

**STUDENT NAME**

G. LOKESH-23MH1A4417

## **AKNOWLEDGEMENTS**

It is with immense pleasure that we would like to express our indebted gratitude to my **project supervisor, Mrs. SRI DURGA, M. Tech, Assistant Professor Department of CSE – DS** who has guided us a lot and encouraged us in every step of project work, his valuable moral support and guidance has been helpful in successful completion of this Project.

We wish to express our sincere thanks to **Dr. K. Naga Bhargavi** MTech., Ph.D., **Head of the Department of CSE – DATA SCIENCE**, for her valuable guidance given to us throughout the period of the project work.

We feel elated to thank **Dr. A. Ramesh**, M. Tech., Ph. D., **Principal**, of Aditya College of Engineering and Technology (A) for his encouragement and support in completion of our project and throughout our course.

We feel delighted to thank **Dr. P. S.V.V. RAVI KUMAR** M. Tech., Ph.D., **Dean (Academics)** of Aditya College of Engineering and Technology (A) for his cooperation in completion of our project work.

We wish to express our sincere thanks to all faculty members, and lab programmers for their valuable guidance given to us throughout the period of the project.

We avail this opportunity to express our deep sense and heart full thanks to the **Management of Aditya College of Engineering & Technology (A)** for providing a great support to us by arranging the trainers, and facilities needed to complete our project and for giving us the opportunity to do this work.

**STUDENT NAME**

M. CHAITHANYA-23MH1A4434

## **AKNOWLEDGEMENTS**

It is with immense pleasure that we would like to express our indebted gratitude to my **project supervisor, Mrs. SRI DURGA, M. Tech, Assistant Professor Department of CSE – DS** who has guided us a lot and encouraged us in every step of project work, his valuable moral support and guidance has been helpful in successful completion of this Project.

We wish to express our sincere thanks to **Dr. K. Naga Bhargavi** MTech., Ph.D., **Head of the Department of CSE – DATA SCIENCE**, for her valuable guidance given to us throughout the period of the project work.

We feel elated to thank **Dr. A. Ramesh**, M. Tech., Ph. D., **Principal**, of Aditya College of Engineering and Technology (A) for his encouragement and support in completion of our project and throughout our course.

We feel delighted to thank **Dr. P. S.V.V. RAVI KUMAR** M. Tech., Ph.D., **Dean (Academics)** of Aditya College of Engineering and Technology (A) for his cooperation in completion of our project work.

We wish to express our sincere thanks to all faculty members, and lab programmers for their valuable guidance given to us throughout the period of the project.

We avail this opportunity to express our deep sense and heart full thanks to the **Management of Aditya College of Engineering & Technology (A)** for providing a great support to us by arranging the trainers, and facilities needed to complete our project and for giving us the opportunity to do this work.

**STUDENT NAME**

R. MADHAVI-23MH1A4453

## **AKNOWLEDGEMENTS**

It is with immense pleasure that we would like to express our indebted gratitude to my **project supervisor, Mrs. SRI DURGA, M. Tech, Assistant Professor Department of CSE – DS** who has guided us a lot and encouraged us in every step of project work, his valuable moral support and guidance has been helpful in successful completion of this Project.

We wish to express our sincere thanks to **Dr. K. Naga Bhargavi** MTech., Ph.D., **Head of the Department of CSE – DATA SCIENCE**, for her valuable guidance given to us throughout the period of the project work.

We feel elated to thank **Dr. A. Ramesh**, M. Tech., Ph. D., **Principal**, of Aditya College of Engineering and Technology (A) for his encouragement and support in completion of our project and throughout our course.

We feel delighted to thank **Dr. P. S.V.V. RAVI KUMAR** M. Tech., Ph.D., **Dean (Academics)** of Aditya College of Engineering and Technology (A) for his cooperation in completion of our project work.

We wish to express our sincere thanks to all faculty members, and lab programmers for their valuable guidance given to us throughout the period of the project.

We avail this opportunity to express our deep sense and heart full thanks to the **Management of Aditya College of Engineering & Technology (A)** for providing a great support to us by arranging the trainers, and facilities needed to complete our project and for giving us the opportunity to do this work.

**STUDENT NAME**

**K. BHAVAJ SATYA-23MH1A4417**

## **AKNOWLEDGEMENTS**

It is with immense pleasure that we would like to express our indebted gratitude to my **project supervisor, Mrs. SRI DURGA, M. Tech, Assistant Professor Department of CSE – DS** who has guided us a lot and encouraged us in every step of project work, his valuable moral support and guidance has been helpful in successful completion of this Project.

We wish to express our sincere thanks to **Dr. K. Naga Bhargavi** MTech., Ph.D., **Head of the Department of CSE – DATA SCIENCE**, for her valuable guidance given to us throughout the period of the project work.

We feel elated to thank **Dr. A. Ramesh**, M. Tech., Ph. D., **Principal**, of Aditya College of Engineering and Technology (A) for his encouragement and support in completion of our project and throughout our course.

We feel delighted to thank **Dr. P. S.V.V. RAVI KUMAR** M. Tech., Ph.D., **Dean (Academics)** of Aditya College of Engineering and Technology (A) for his cooperation in completion of our project work.

We wish to express our sincere thanks to all faculty members, and lab programmers for their valuable guidance given to us throughout the period of the project.

We avail this opportunity to express our deep sense and heart full thanks to the **Management of Aditya College of Engineering & Technology (A)** for providing a great support to us by arranging the trainers, and facilities needed to complete our project and for giving us the opportunity to do this work.

**STUDENT NAME**

R. CHINNARI-23MH1A4454

## **ABSTRACT**

This project focuses on establishing a sustainable plantation of fruit-bearing and flowering plants in Kadiyapulanka to promote biodiversity, enhance ecological balance, and support the local community's economic and environmental well-being. By integrating a variety of native and climate-appropriate plants, we aim to create a green space that produces seasonal fruits, vibrant flowers, and offers medicinal benefits, especially considering the region's unique soil and climatic conditions.

The project emphasizes community involvement, particularly through partnerships with encouraging residents to actively engage in planting, maintenance, and harvesting activities. This collaborative approach aims to foster environmental stewardship while also generating awareness about the importance of native flora in supporting local pollinators, improving air quality, and reducing soil erosion.

By cultivating a diverse mix of fruit trees, such as mango, banana, guava, and flowering plants like marigold, hibiscus, and jasmine, the initiative not only provides aesthetic value but also potential income sources for the community through fruit and flower sales. The expected outcomes include a greener, healthier community environment, enhanced biodiversity, and an increased local interest in sustainable agricultural practices, contributing to the overall ecological health and resilience of Kadiyapulanka.

# **CONTENTS**

<b>CHAPTER</b>	<b>PAGE No.</b>
<b>ABSTRACT</b>	<b>xxv</b>
<b>LIST OF FIGURES</b>	<b>xxviii</b>
<b>LIST OF TABLES</b>	<b>xxix</b>
<b>1. EXECUTIVE SUMMARY</b>	<b>1-4</b>
1.1 Brief description of the Community	1
1.2 Summary of all the activities	2
1.3 Learning objectives	2-3
1.4 Project outcomes	3-4
<b>2. OVERVIEW OF THE COMMUNITY</b>	<b>5-7</b>
2.1 Historical profile of the community / habitation	5
2.2 Location of the village Kadiyapulanka.	6
2.3 Location of fields in Kadiyapulanka.	7
<b>3. COMMUNITY SERVICE PART</b>	<b>8-23</b>
3.1 What is plantation?	8
3.2 About Plants and Trees	8-12
3.2.1 Flowering plants	9-10
3.2.2 Fruit bearing plants	11-12
3.3 Advantages	13-14
3.3.1 Advantages of Flowers	13
3.2.2 Advantages of Fruits	14
3.4 Plants and Environment Education	15-16
3.5 Creating Awareness on people	17-18
3.6 Implementation of plant education	19
3.7 Logbook for week 1 Weekly report	20 21
3.8 Log book for week 2 Weekly report	22 23

<b>4 OUTCOMES DESCRIPTION</b>	<b>24-25</b>
Details of the Socio-Economic Survey of the Village/Habitation	
4.1 Questionaries prepared for the survey	<b>24-27</b>
4.2 Short-term and Long-term action plans for possible solutions	<b>28-31</b>
4.3 Community awareness programme(s) conducted	<b>32-35</b>
4.4 Report of the mini-project work done	<b>36-39</b>
<b>5 RECOMMENDATIONS AND CONCLUSIONS OF THE MINI PROJECT</b>	<b>40-41</b>
5.1 Feedback of survey	<b>40</b>
5.1.1 Bar Graph Representation	<b>40</b>
<b>CONCLUSION</b>	<b>41</b>
<b>RESULT</b>	<b>41</b>
<b>6 POSTER PRESENTATION</b>	<b>42-50</b>
<b>7 STUDENT SELF-EVALUATION FOR THE CSP</b>	<b>51-55</b>
<b>8 EVALUATION BY THE PERSON IN-CHARGE IN THE COMMUNITY /HABITATION</b>	<b>56-60</b>
<b>9 PHOTOS</b>	<b>61-63</b>
<b>10 INTERNAL ASSESSMENT STATEMENT</b>	<b>64-68</b>

## **LIST OF FIGURES**

<b>S.No.</b>	<b>NAME OF FIGURE</b>	<b>PAGE No.</b>
1.	2.2 MAP LOCATION	06
2.	2.3 FIELD LOCATION	07
3.	3.2.1.1 FLOWERING PLANTS	10
4.	3.2.1.2 FLOWERING PLANTS	10
5.	3.2.2.1 FRUIT BEARING PLANTS	12
6.	3.2.2.2 FRUIT BEARING PLANTS	12
7.	3.5 CREATING AWARNESS ON PEOPLE	18
8.	4.1 QUESTIONARIES PREPARED FOR THE SURVEY	27
9.	4.4.1 NURSERY LIVE APP	36
10.	4.4.2 HOME PAGE	37
11.	4.4.3 FLOW CHART	39
12.	5.1.1. BAR GARPH	40
13.	9.1 VILLAGE SECREATARIAT KADIYAPULANKA	61
14.	9.2 DAY-4	61
15.	9.3 DAY-6	62
16.	9.4 DAY-8	62
17.	9.5 DAY-10	63
18.	9.6 DAY-12	63

## **LIST OF TABLES**

<b>S.No.</b>	<b>NAME OF TABLE</b>	<b>PAGE No.</b>
3.7	ACTIVITY LOG BOOK FOR THE FIRST WEEK	<b>20</b>
3.8	ACTIVITY LOG BOOK FOR THE SECOND WEEK	<b>22</b>



# **CHAPTER 1: EXECUTIVE SUMMARY**

This community service project is a plantation initiative in Kadiyapulanka aimed at enriching the local environment by planting a variety of fruit and flowering plants. The project addresses key environmental and community needs, such as enhancing air quality, supporting biodiversity, and promoting food sustainability. By engaging local residents, the project aims to build shared commitment to environmental preservation and community well-being.

## **1.1 Brief Description of Community**

The selection of fruit and flowering plants is designed to ensure successful growth in Kadiyapulanka's climate, providing both ecological and social benefits. Fruit trees are chosen not only for their nutritional value but also to offer a sustainable source of fresh produce, potentially reducing local food costs and encouraging a healthy lifestyle. Flowering plants enhance the visual appeal of the area, creating a more pleasant environment and attracting pollinators, which are essential for a balanced ecosystem.

The project follows a phased approach, beginning with site preparation and planting, followed by regular maintenance and monitoring. A key element is community engagement, with workshops and educational sessions to teach residents about the benefits of fruit and flower plants, sustainable gardening practices, and environmental responsibility. This community involvement fosters a sense of ownership, ensuring the plantation's long-term success and upkeep.

In the short term, the project aims to create a vibrant green space that residents can enjoy, while promoting awareness of the value of fruit and flowering plants. Long-term, the plantation aspires to be a self-sustaining model of green community space, with benefits that extend to future generations. Success will be measured through the survival and productivity of the plants, as well as sustained community participation.

This plantation project represents a holistic effort to enhance both the environment and quality of life in Kadiyapulanka, setting the stage for a greener, more sustainable future.

## **1.2 Summary of activities done**

1. Plant Selection and Sourcing

2. Site Preparation

3. Planting

4. Education and Awareness

5. Ongoing Maintenance

6. Documentation and Reporting

## **1.3 Learning objectives**

1. Understand the Importance of Plantation and Greenery

Learn about the environmental, health, and social benefits of planting trees, particularly fruit and flowering plants. Recognize the role of greenery in improving air quality, supporting biodiversity, and enhancing community well-being.

2. Identify and Describe Selected Plants

Develop knowledge of different fruit and flowering plants, including their growth requirements, care needs, and ecological significance. Understand the nutritional and economic value of fruit trees and the aesthetic and ecological importance of flowering plants.

3. Learn Sustainable Planting and Gardening Techniques

Gain practical skills in soil preparation, planting methods, and basic gardening practices to ensure plant survival and growth. Understand sustainable techniques like water conservation, organic pest control, and soil health management.

4. Develop Community Engagement and Teamwork Skills

Learn the importance of teamwork and community participation in environmental projects. Build communication skills by working collaboratively with peers and engaging with community members to promote environmental awareness.

5. Recognize the Long-Term Impact of Green Spaces

Appreciate the role of fruit and flowering plants in creating sustainable and self-sufficient green spaces that benefit future generations. Understand the potential of community-led initiatives in contributing to long-term environmental health and resilience.

#### 6. Promote Environmental Stewardship and Responsibility

Develop a sense of responsibility for the environment and an understanding of how individual and collective actions impact the planet. Learn ways to inspire others in the community to participate in or initiate their own environmental projects.

#### 7. Monitor and Evaluate Project Success

Learn to set measurable goals, like plant survival rates and community involvement, and assess the project's effectiveness in achieving these outcome. Gain experience in tracking growth progress, problem-solving challenges, and adapting strategies to improve results.

### **1.4 Outcomes**

#### 1. Enhanced Environmental Quality

Improved air quality and reduced pollution levels due to the increased number of plants that absorb CO<sub>2</sub> and release oxygen. Enhanced biodiversity, as fruit and flowering plants attract pollinators and provide habitats for various species.

#### 2. Increased Access to Fresh Produce

Availability of fresh, locally grown fruit for the community, promoting healthier food choices and reducing dependence on store-bought produce. Potential for surplus fruit to be distributed within the community, fostering a culture of sharing and support.

#### 3. Improved Aesthetic and Recreational Value

Creation of a visually appealing green space that enhances the beauty of the area, making it a more enjoyable and peaceful environment for residents. A pleasant area for community gatherings, relaxation, and activities, fostering a stronger sense of community.

#### 4. Increased Environmental Awareness and Community Engagement

Greater awareness among community members of the benefits of plants and sustainable practices, inspiring ongoing care and respect for green spaces. Strengthened community bonds and collaboration, as people work together to care for and maintain the plantation.

## **5. Development of Practical Skills and Knowledge**

Participants gain hands-on experience in planting, maintaining, and caring for fruit and flowering plants, building skills in horticulture and sustainability. Improved knowledge of eco-friendly gardening techniques and plant care, which can be applied in future gardening or environmental projects.

## **6. Long-Term Ecological and Economic Benefits**

Establishment of a sustainable green space that requires minimal resources over time, reducing maintenance costs and creating a self-sustaining environment. Increased property value and quality of life in the community due to the presence of well-maintained green spaces.

## **7. Model for Future Community-Led Green Initiatives**

The project serves as a successful model for other community-led green initiatives, inspiring similar projects in nearby areas or neighborhoods . Potential for the project to expand, with new plants added over time, and for more people to take leadership roles in community environmental projects.

## **CHAPTER 2: OVER VIEW OF THE COMMUNITY**

A Community Plantation Community Service Project typically involves organizing efforts to plant trees, shrubs, and other greenery in a specific area to benefit both the environment and the community. These projects often focus on improving the local ecosystem and promoting environmental awareness. The project could be initiated by local areas ,fields and nursery area.

### **2.1 Socio Economic Survey of the Village /Habitation**

#### **OUTLINE OF THE SURVEY**

Kadiyapulanka is a Village in Kadiam Mandal in East Godavari District of Andhra Pradesh State, India. It belongs to Andhra region . It is located 51 KM towards west from District headquarters Kakinada. 1 KM from Kadiam. Kadiyapulanka Pin code is 533126 and postal head office is Kadiyam.An important industry for Kadiyapulanka is horticulture, with the area's nurseries exporting flowers throughout India. Another is tourism. The place hosted the Eighth All-India Nurserymen's Convention.

According to Census 2011 information the location code or village code of Kadiyapulanka village is 587550. Kadiyapulanka village is located in Kadiam mandal of East Godavari district in Andhra Pradesh, India. It is situated 60km away from district headquarter Kadiam. Kadiam is the sub-district headquarter of Kadiyapulanka village. As per 2009 stats, Kadiyapulanka is the gram panchayat of Kadiyapulanka village.

The total geographical area of village is 2033 hectares. Kadiam has a total population of 37,149 peoples, out of which male population is 18,527 while female population is 18,622. Literacy rate of kadiyapulanka village is 61.10% out of which 63.47% males and 58.74% females are literate. There are about 10,067 houses in kadiyapulanka village. Pincode of kadiyapulanka village locality is 533126.

They observe the specific character of a plant with regard to its size, color, shape of leaf, and other details and graft them with other plants and re-graft them to develop unique plants that have a good demand in the international market.

## SCHEDULE OF SURVEY

The Village Socio Economic Survey is conducted in the villages Kadiyapulanka Village. The farmers inherited the art of plantation from their forefathers, knowledge that they are perpetuating from generation to generation. We observed common. The state government has decided to set up a Regional Research Centre for Agriculture under the aegis of the Indian Council for Agriculture Research at Kadiyapulanka and a quarantine station too.

### 2.2. Location of Kadiyapulanka village

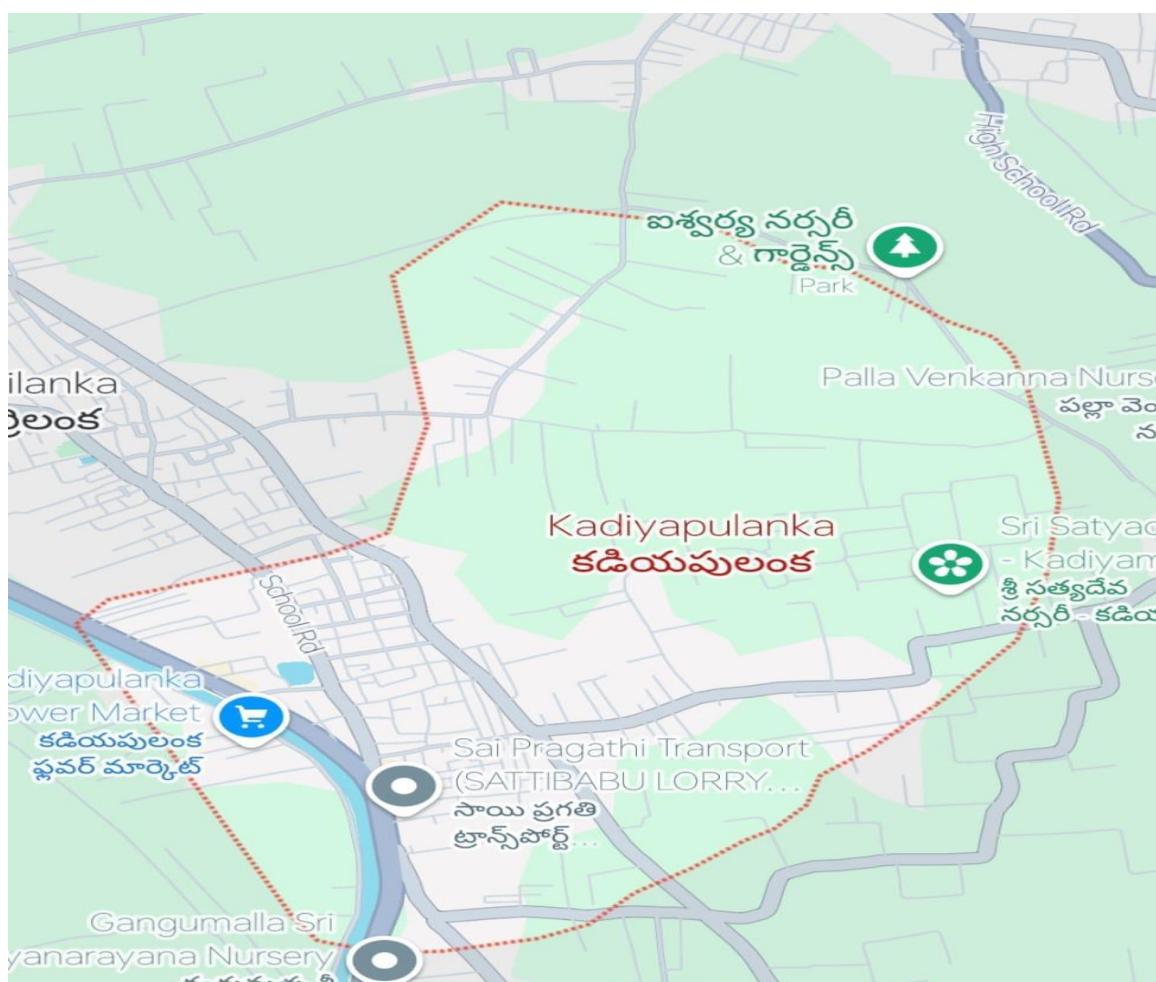


FIG 2.2 MAP LOCATION

### **2.3 Fields in Kadiyapulanka**

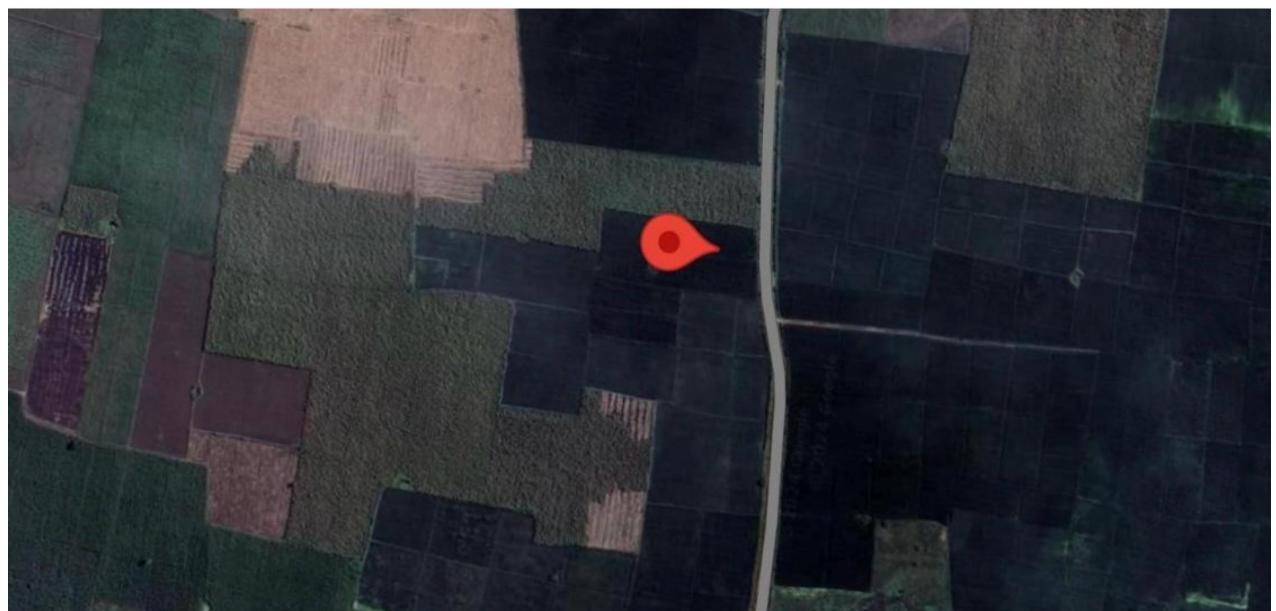


FIG 2.3 FIELD LOCATION

## **CHAPTER 3: COMMUNITY SERVICE PART**

Description of the Activities undertaken in the Community during the Community Service Project. This part could end by reflecting on what kind of values, life skills, and technical skills the student

### **3.1 What is Plantation?**

Plantation refers to the process of planting and growing large numbers of trees, plants, or crops in a designated area. This can be done for a variety of purposes, including agriculture, forestry, environmental conservation, or beautification. Plantations can vary in scale and focus, but typically involve organized, systematic planting and maintenance.

Plantations play a significant role in agriculture, economy, and environmental health, depending on the type and purpose of the planting.

### **3.2 About Plants and Trees**

Plants and trees are essential organisms in Earth's ecosystems, serving critical roles in environmental, economic, and health-related aspects of life. Here's an overview of their importance, types, functions, and benefits:

#### **1. Classification of Plants and Trees:**

**Plants:** Plants include a wide range of species, from small grasses and flowers to shrubs and vines. They can be classified as:

**Herbs:** Small plants with soft stems, like basil and mint.

**Shrubs:** Bushy plants with multiple woody stems, like hibiscus and rose.

**Climbers and Creepers:** Plants that require support, like ivy and pumpkin.

**Trees:** Larger, woody plants with a single main trunk and branches, such as oak, pine, and mango. Trees are classified into:

**Deciduous:** Trees that shed their leaves seasonally, like maple and birch.

**Evergreen:** Trees that retain their leaves year-round, such as pine and spruce.

**Fruit Trees:** Trees cultivated for edible fruits, like apple, mango, and cherry.

#### **2. Functions and Importance of Plants and Trees:**

**Photosynthesis:** Plants convert sunlight into energy, producing oxygen and absorbing carbon dioxide, which is essential for life on Earth.

### **3.2.1. FLOWERING PLANTS**

Flowering plants are cultivated primarily for their colorful, fragrant, and beautiful blooms. They are often used in gardens, landscaping, and as decorative indoor plants.

1. Rose (*Rosa*): Available in many colors, roses are highly popular for their beauty and fragrance, often used in gardens and bouquets.
2. Jasmine (*Jasminum*): Known for its sweet fragrance, jasmine is used in gardens and as an ornamental plant and is also used in perfumes and teas.
3. Marigold (*Tagetes*): Bright yellow and orange flowers make marigolds a popular choice for gardens and ceremonial decorations.
4. Hibiscus (*Hibiscus rosa-sinensis*): Known for its large, vibrant flowers, commonly used in tropical and ornamental gardens.
5. Sunflower (*Helianthus*): Famous for its large, sun-like blooms, sunflowers are not only decorative but also produce edible seeds.
6. Lotus (*Nelumbo nucifera*): A symbol of purity and beauty, the lotus is often grown in ponds and water gardens.
7. Tulip (*Tulipa*): Tulips come in various colors and are popular in ornamental gardens, especially in spring.
8. Lavender (*Lavandula*): Known for its calming scent, lavender has purple flowers and is used in gardens, dried arrangements, and essential oils.
9. Petunia: These versatile, colourful flowers are often used in hanging baskets, window boxes, and garden beds.
10. Orchid: Orchids have unique and exotic blooms, making them a popular indoor plant for decorative purposes.



FIG 3.2.1.1. FLOWERING PLANTS



FIG 3.2.1.2. FLOWERING PLANTS

### **3.2.2. FRUIT BEARING PLANTS**

Fruit-bearing plants are cultivated for the edible fruits they produce. They can be grown in gardens, orchards, or containers, depending on their type.

1. Apple Tree (*Malus domestica*): Apple trees produce crisp, nutritious fruits and are commonly grown in temperate regions.
2. Mango Tree (*Mangifera indica*): Known as the "king of fruits," mango trees produce sweet, juicy fruits, especially popular in tropical regions.
3. Banana Plant (*Musa*): Bananas grow on large, herbaceous plants and are a staple fruit in tropical climates.
4. Orange Tree (*Citrus sinensis*): Orange trees are known for their sweet, juicy fruits rich in vitamin C.
5. Papaya (*Carica papaya*): This tropical plant produces sweet, orange-fleshed fruits that are rich in enzymes beneficial for digestion.
6. Grapevine (*Vitis vinifera*): Grapevines produce grapes, which can be eaten fresh or used to make wine and raisins.
7. Pomegranate (*Punica granatum*): Pomegranate trees bear fruits filled with edible seeds known for their antioxidants.
8. Pineapple (*Ananas comosus*): A tropical plant with spiky leaves, it produces a juicy, sweet fruit with a unique flavor.
9. Cherry Tree (*Prunus avium*): Cherry trees produce small, sweet or sour fruits that are popular for snacking and baking.
10. Lemon Tree (*Citrus limon*): Known for its sour, acidic fruits, lemons are used widely for culinary and medicinal purposes.



FIG 3.2.2.1. FRUIT BEARING PLANTS



FIG 3.2.2.2. FRUIT BEARING PLANTS

### **3.3 ADVANTAGES**

#### **3.3.1. ADVANTAGES OF FLOWERS**

1. Aesthetic and Cultural Value: Flowers add color, fragrance, and beauty to gardens, landscapes, and homes, enhancing spaces and uplifting moods. They hold cultural significance in ceremonies, celebrations, and traditions.
2. Attraction of Pollinators: Flowers attract pollinators such as bees, butterflies, and hummingbirds, which are essential for the reproduction of many plant species and support agricultural productivity.
3. Mental Health and Well-being: Flowers are known to have a positive impact on mental health. Studies show that being around flowers reduces stress, enhances mood, and promotes relaxation.
4. Environmental Benefits: Flowering plants contribute to a balanced ecosystem by supporting insects and wildlife. They also help prevent soil erosion and improve air quality.
5. Economic Opportunities: The floriculture industry, including flower farming, arrangements, and sales, provides jobs and economic benefits, especially in regions known for flower production.
6. Symbolic and Therapeutic Uses: Flowers have symbolic meanings (such as roses for love) and are used in aromatherapy and natural medicine (e.g., lavender for relaxation).
7. Improvement of Microclimates: Flowering plants in gardens and landscapes help moderate temperature, increase humidity, and create pleasant environments, both indoors and outdoors.

### **3.3.2. ADVANTAGES OF FRUITS**

1. Nutritional Value: Fruits are rich in essential nutrients, vitamins, minerals, and antioxidants, which are crucial for a balanced diet and overall health. For example, oranges are high in vitamin C, and bananas are a great source of potassium.
2. Health Benefits: Regular consumption of fruits can lower the risk of chronic diseases, such as heart disease, diabetes, and certain cancers, and improve immune function.
3. Economic Value: Fruit-bearing plants contribute significantly to local and global economies through agriculture, providing income to farmers and creating jobs across the supply chain.
4. Sustainability: Growing fruit trees can enhance environmental sustainability. Trees reduce soil erosion, increase carbon sequestration, and contribute to biodiversity.
5. Food Security: Fruit-bearing plants provide a reliable source of food, helping to support food security in communities and promoting self-sufficiency when grown in home gardens.
6. Culinary Uses: Fruits are versatile in cooking, used in juices, salads, desserts, and main dishes, adding natural sweetness and flavor to diets.
7. Wildlife Support: Fruit trees and plants provide food for animals, birds, and insects, supporting local ecosystems and biodiversity.

### **3.4 PLANTS AND ENVIRONMENT EDUCATION**

Plants play a vital role in environmental education by serving as tangible examples of key ecological and sustainability principles. Educating people about plants and their role in the environment can foster a deeper appreciation for nature, promote sustainable practices, and encourage environmental stewardship.

Importance of Plants in Environmental Education:

1. Understanding Ecosystems and Biodiversity: Teaching about plants helps people understand ecosystems, as plants are primary producers that form the foundation of food chains. Learning about plant diversity (from grasses and shrubs to trees and vines) highlights the importance of biodiversity and how each species contributes to ecological balance.
2. Climate Change Awareness: Plants play a critical role in climate regulation by absorbing carbon dioxide and producing oxygen. Environmental education programs often use plants to illustrate the importance of carbon sequestration, photosynthesis, and how deforestation affects climate change.
3. Promoting Conservation and Sustainable Practices: Educating about plants encourages practices like afforestation (planting new forests), sustainable agriculture, and reducing deforestation. By understanding the environmental benefits of plants, people are more likely to engage in actions that protect forests, conserve water, and promote biodiversity.
4. Learning About Native and Invasive Species: Teaching about native plant species helps people understand their role in supporting local wildlife and ecosystems. It also raises awareness about invasive plant species that threaten biodiversity, which can lead to informed actions to protect native habitats.
5. Water Cycle and Soil Health: Plants are essential in the water cycle, helping with water retention, soil stabilization, and erosion prevention. Environmental education on this topic shows how plants improve soil health and water quality, demonstrating sustainable land management practices.
6. Urban Green Spaces: Environmental education can emphasize the benefits of urban green spaces, teaching about the positive impact of plants on air quality, reducing urban heat, and improving residents' mental well-being. Urban greening programs can inspire students and communities to engage in planting initiatives and city beautification projects.

7. Hands-On Learning and Gardening: School and community gardens provide hands-on opportunities for environmental education, allowing students to learn about plant growth, food production, and ecosystem management directly. These activities also teach patience, responsibility, and a respect for nature.

8. Health and Well-being: Teaching about plants that contribute to health, such as medicinal herbs, highlights the connection between the environment and personal well-being

Students can learn how plants are used for traditional and modern medicine, connecting biodiversity with health.

9. Ecological Awareness and Environmental Stewardship: By learning about plants' role in ecosystems, students develop ecological awareness and are more likely to act as environmental stewards. Environmental education fosters respect for nature and a commitment to sustainable lifestyles.

10. Engagement in Conservation Projects: Environmental education programs often incorporate real-world conservation projects, like tree planting, habitat restoration, or recycling drives. These projects teach environmental responsibility and the positive impact individuals can make in protecting plants and ecosystems.

#### **Examples of Environmental Education Programs Involving Plants:**

- Tree-Planting Initiatives: Schools and communities organize tree-planting events to promote awareness of reforestation and the environmental benefits of trees.
- School and Community Gardens: Gardens provide interactive learning about plant growth, pollination, composting, and sustainable food production.
- Botanical Gardens and Nature Reserves: Visits to botanical gardens and reserves help people learn about plant diversity, endangered species, and conservation efforts.
- Workshops on Native Plants and Pollinators: Programs teach the importance of planting native species to support local wildlife and protect biodiversity.

### **3.5 CREATING AWARENESS ON PEOPLE**

Creating awareness about flowers and fruit plants involves educating communities on the benefits and importance of these plants, both for personal well-being and environmental health. Effective awareness campaigns can encourage people to grow these plants, appreciate their ecological roles, and incorporate sustainable practices.

#### **1. Community Workshops and Seminars:**

**Educational Talks:** Organize talks about the health, economic, and environmental benefits of flowers and fruit plants, focusing on topics like nutrition, ecosystem support, and mental well-being.

**Gardening Workshops:** Teach practical skills for growing fruit and flower plants at home, including planting, pruning, and pest management. These sessions can emphasize the benefits of homegrown produce and organic gardening.

#### **2. Public Awareness Campaigns:**

**Posters and Flyers:** Distribute informational materials on the benefits of flowers and fruits for health, the environment, and biodiversity. Highlight native and beneficial species.

**Social Media Campaigns:** Use social media platforms to share engaging content, including the benefits of flowers and fruit plants, how to grow them, and success stories of community projects.

**Public Events:** Host flower and fruit festivals where people can see various species, learn about their uses, and even taste or buy local produce.

#### **3. Collaborations with Local Organizations:**

**Community Centers and NGOs:** Partner with local organizations to promote awareness on growing fruit and flower plants. They can help reach a broader audience and organize joint initiatives.

**Local Nurseries and Garden Centers:** Collaborate to provide discounts or free samples of seeds and saplings, along with care instructions, to encourage people to start their own gardens.

#### **4. Tree-Planting and Gardening Drives:**

**Fruit Tree Planting Drives:** Organize community events where fruit trees are planted in public spaces, schools, or community gardens, showing participants the long-term benefits of fruit-bearing trees.

Flower Planting in Public Spaces: Host events to plant flowering shrubs and plants in parks, roadsides, and public areas, which beautify the space, attract pollinators, and inspire others to do the same.

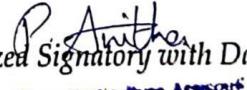
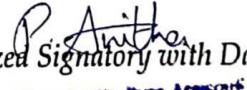
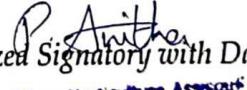
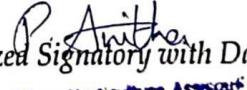


FIG 3.5 CREATING AWARNESS ON PEOPLE

### **3.6 IMPLEMENTATION OF PLANTEDUCATION**

1. Curriculum Development: Create age-appropriate plant education content, covering topics like plant biology, ecosystems, and sustainability.
2. School and Community Gardens: Set up gardens where students and communities can learn about growing and caring for plants.
3. Hands-On Activities: Use seed germination, plant anatomy, and composting as practical learning tools in the classroom.
4. Public Events: Organize tree planting, gardening competitions, and plant identification walks to raise awareness.
5. Collaborations: Partner with botanical gardens, NGOs, and environmental experts for workshops, tours, and guest speakers.
6. Digital Resources: Use apps, online courses, and videos to make plant education accessible.
7. Home Gardening: Distribute gardening kits and provide plant care guides for individuals to start growing at home.
8. Art Integration: Use art projects like drawing plants and photography to connect creativity with plant education.
9. Educational Materials: Provide books, posters, and growth journals to reinforce learning.
10. Assessment and Reflection: Use projects and discussions to assess learning and improve programs.
11. Hands-On Learning: Create school and community gardens for practical experience in planting and caring for plants.
12. Workshops and Events: Organize tree planting, gardening competitions, and plant identification walks to raise awareness.
13. Collaboration: Partner with botanical gardens and environmental organizations for educational tours and workshops.
14. Digital Resources: Use apps and online courses to make plant education accessible to all.

### 3.7 ACTIVITY LOG BOOK FOR THE FIRST WEEK

<b>Day &amp; Date</b>	<b>Brief description of the daily activity</b>	<b>Learning Outcome</b>	<b>Person In-Charge Signature</b>
Day - 1	Discussed about what project we have to do our community service project.	Decided to go awareness plantation for locality people.	 Village Horticulture Assistant Kadiyapulanka-III Village Seva Eontham Mandal, E.G.D.F
Day - 2	Discussed about the people.	Decided to go to nursery and fields kadiyapulanka.	 Village Horticulture Assistant Kadiyapulanka-III Village Seva Eontham Mandal, E.G.D.F
Day - 3	Went to permission for the sachivalayam to do project in the area.	They granted permission with some suggestions.	 Village Horticulture Assistant Kadiyapulanka-III Village Seva Eontham Mandal, E.G.D.F
Day - 4	Discussed about the topics we have to explained about the topic.	Decided the topics which helpful for our project.	 Village Horticulture Assistant Kadiyapulanka-III Village Seva Eontham Mandal, E.G.D.F
Day - 5	Prepared an index topics and ordered in a sequential way.	Planned about topics needed to be explained which sequence.	 Village Horticulture Assistant Kadiyapulanka-III Village Seva Eontham Mandal, E.G.D.F
Day - 6	Discussed the roles of each team members.	Decided the roles of each team members.	 Village Horticulture Assistant Kadiyapulanka-III Village Seva Eontham Mandal, E.G.D.F

## WEEKLY REPORT

<b>Objective of the Activity</b>	<b>Awareness about plantation</b>
<b>Done:</b>	
<b>Detailed Report:</b>	<p><b>Activities Completed:</b></p> <ol style="list-style-type: none"> <li>1. <b>Site Preparation:</b> Cleared and prepared the soil, adding organic compost to enrich it.</li> <li>2. <b>Plant Selection:</b> Chose an initial batch of fruit bearing plants (mango, Guava) and some flowering plants.</li> <li>3. <b>Planting Activities:</b> Conducted a community planting day with volunteers from local community and organizations. Successfully planted 50 seedlings.</li> <li>4. <b>Community Engagement:</b> Organized an awareness session to educate community members on the health benefits of medicinal plants.</li> </ol> <p><b>Challenges Faced:</b></p> <p><b>Irrigation:</b> Identified a need for an improved irrigation system to manage water use more efficiently.</p> <p><b>Weather Conditions:</b> Unusually hot days affected some of the younger plants, leading to a few losses.</p> <p><b>Next Steps:</b></p> <ol style="list-style-type: none"> <li>1. Install a simple drip irrigation system to address water issues.</li> <li>2. Plan another community planting event for the next batch of plants.</li> <li>3. Engage more community members by setting up workshops on plant care.</li> </ol>

### 3.8 ACTIVITY LOG BOOK FOR THE SECOND WEEK

<b>Day &amp; Date</b>	<b>Brief description of the daily activity</b>	<b>Learning Outcome</b>	<b>Person In-charge Signature</b>
Day – 1	Prepared inter-duration on community service project.	Gathered key points about community service.	 P. Anitha zea Signatory with I Village Horticulture Assoca kadiyapulanka-III Village Seci Kotham Mandal, E.G.D
Day - 2	Discussed about questions related to PLANTATION.	Prepared key notes on what imulator said.	 P. Anitha zea Signatory with D Village Horticulture Assoca kadiyapulanka-III Village Seci Kotham Mandal, E.G.D
Day – 3	Reffered some points on benefits of plantation on internet.	Prepared key notes on what we concluded from them.	 P. Anitha zea Signatory with I Village Horticulture Assoca kadiyapulanka-III Village Seci Kotham Mandal, E.G.D
Day – 4	Explained our about various types of PLANTATION on flowered and fruits plants.	Prepared key notes on plantation methods.	 P. Anitha zea Signatory with I Village Horticulture Assoca kadiyapulanka-III Village Seci Kotham Mandal, E.G.D
Day – 5	Explored about process of PLANTATION practice.	Prepared key notes on process of plantation awareness practice.	 P. Anitha zea Signatory with I Village Horticulture Assoca kadiyapulanka-III Village Seci Kotham Mandal, E.G.D
Day – 6	Concluded the community service project with my teammates.	We completed our community serve project of PLANTATION in kadiyapulanka.	 P. Anitha zea Signatory with I Village Horticulture Assoca kadiyapulanka-III Village Seci Kotham Mandal, E.G.D

## WEEKLY REPORT

<b>Objective of the Activity Done:</b>	Awareness about floriculture
<b>Detailed Report:</b>	<p><b>Activities Completed:</b></p> <p><b>1. Planting:</b> Planted an additional 150 flowering plants like roses, jasmine along with 100 fruit bearing plants such as mango, guava, papaya. Expanded the planting area by clearing more space and preparing the soil for upcoming planting.</p> <p><b>2. Community Engagement:</b> Held a community meeting to inform and engage residents in the benefits of flowering plants and fruit bearing plants. Conducted a workshop for 25 local youth on the care and maintenance of plants</p> <p><b>3. Awareness Campaign:</b> Distributed leaflets with information on how to use the flowering plants and their benefits. Posted updates and educational content on social media to encourage wider participation and awareness.</p> <p><b>4. Partnership Development:</b> Reached out to local community to collaborate on future educational sessions about the importance of plant conservation. Established a partnership with a local nursery for a steady supply of plants for the next phase of the project.</p> <p><b>Conclusion:</b> This week saw significant progress in planting and community engagement. Despite minor weather disruptions and limited resources, the project is moving forward successfully, and we are excited for the continued growth and positive impact on Kadiyapulanka</p>

## CHAPTER 4: OUTCOMES DESCRIPTION

### **Details of the Socio -Economic Survey of the Village/Habitation**

The Socio-Economic Survey of a village or habitation is a comprehensive assessment aimed at understanding the social, economic, and cultural fabric of the community. This survey evaluates key aspects of the village, including demographics, education, health, livelihood, infrastructure, and access to basic services. Demographic details such as population size, gender ratio, age distribution, and household composition are analyzed to provide insights into the community's structure. Economic activities, including agriculture, livestock rearing, wage labor, and small-scale industries, are studied to identify primary sources of income and employment trends. The survey assesses educational levels, literacy rates, school enrollment, and dropout rates to gauge access to and quality of education. Health indicators, such as access to healthcare facilities, prevalence of diseases, maternal and child health, and sanitation, are also examined to understand the overall well-being of residents.

Additionally, the survey focuses on the availability and condition of infrastructure like roads, electricity, water supply, sanitation facilities, and housing. It also investigates the socio-cultural aspects, including caste composition, traditions, festivals, and social cohesion, which play a significant role in shaping the community's identity. Special attention is given to marginalized groups, such as women, children, elderly individuals, and people with disabilities, to evaluate their socio-economic status and access to resources. The survey also explores issues like migration patterns, indebtedness, landholding patterns, and access to government schemes and welfare programs. This helps identify challenges faced by the community and the level of integration with developmental initiatives.

Environmental factors, such as water availability, agricultural productivity, and vulnerability to natural disasters, are assessed to understand their impact on the livelihood and resilience of the population. By capturing the interplay of social and economic factors, the survey provides a detailed profile of the habitation, enabling policymakers and stakeholders to design targeted interventions for sustainable development. It identifies gaps in services and infrastructure while highlighting the strengths and potential opportunities of the village. The findings are crucial for planning and implementing developmental programs that address the unique needs and aspirations of the community, fostering equitable growth and improved quality of life for all residents.

#### **4.1 Questionaries prepared for the survey**

1.How would you rate your knowledge of flowering plants?

2.How often do you purchase flowering plants?

3.What type of flowering plants do you prefer to grow?

4.How much time do you dedicate to caring for your fruit plants each week?

5.How do you feel about the use of pesticides in fruit plant cultivation?

6.What factors influence your choice of fruit plants?

7.What is your preferred method for controlling pests on lowering plants and fruits plants?

8.What types of gardening events would you be interested in attending?

9.What types of fruit plants would you like to learn more about?

10. How would you rate your knowledge of flowering plants?

- Beginner
- Intermediate
- Advanced

11.What challenges do you face when growing flowering plants?

- Pests
- Diseases
- Weather conditions
- Soil quality
- Time commitment

12.Are you aware of native flowering plants in your region?

- Yes
- No

13.What factors influence your choice of fruit plants?

- Taste
- Size

- Color
- Nutritional value
- Maintenance requirements
- Seasonal availability

14.What is your primary source of information about fruit plants?

- Books
- Online articles
- Social media
- Workshops/classes
- Friends/family

15.Are you aware of native fruit plants in your region?

- Yes
- No

### **Answers Given by the Community**

1. Intermediate
2. Occasionally, usually once or twice a year.
3. I prefer growing perennials like lavender, roses, and daisies, as well as some annuals like marigolds and petunias.
4. About 1-2 hours a week, depending on the season.
5. I prefer organic methods and try to minimize pesticide use, but I understand it may be necessary in certain situations.
6. Taste, size, and nutritional value are my top factors.
7. I typically use natural methods like introducing beneficial insects (e.g., ladybugs) and organic pest control options such as neem oil.
8. I'd love to attend workshops, plant sales, and garden tours focused on sustainable gardening and fruit cultivation.
9. I'm interested in learning more about berry bushes (e.g., raspberries, blueberries) and tropical fruits that can be grown in cooler climates.
10. Intermediate
11. Soil quality and time commitment are the main challenges.
12. Yes

13. Taste, size, and nutritional value.
14. Online articles and workshops/classes.
15. Yes



FIG 4.1 QUESTIONARIES PREPARED FOR THE SURVEY

## **4.2 Short-term and Long -term action plans for possible solutions**

### **Short -term action plan**

Short-term goals for the plantation of fruits and flowers focus on initiating sustainable green practices while ensuring quick, visible results. The first step is identifying suitable land and preparing it for planting through soil enrichment and weed removal. Choosing fast-growing fruit trees like guava or papaya and seasonal flowers like marigold or hibiscus ensures early benefits. Planting should align with optimal climatic conditions, with provisions for regular watering, mulching, and protection. Community involvement and awareness drives foster collective responsibility. The goal is to enhance greenery, provide nutritional and economic benefits, and beautify the area, laying the foundation for long-term environmental and social impact.

#### **1.Site Selection and Preparation:**

Identify suitable areas for planting, considering factors like soil quality, sunlight, and water availability. Clear the land of weeds and debris, and prepare the soil by plowing and adding organic compost or fertilizers.

#### **2.Selection of Plant Species:**

Choose fruit and flower species that are well-suited to the local climate and soil conditions. Opt for fast-growing and high-yield varieties, such as mango, guava, papaya, marigold, or jasmine.

#### **3.Procurement of Saplings:**

Source healthy saplings or seeds from reliable nurseries. Ensure the plants are disease-free and of good quality.

#### **4.Plantation Layout & Planting Process:**

Plan the layout to maintain proper spacing between plants for growth and air circulation. Mark the planting spots accordingly. Conduct planting during the optimal season (preferably the monsoon for better water availability). Dig appropriate-sized pits, plant the saplings, and cover them with soil, ensuring firm anchoring.

#### **5.Watering and Mulching:**

Provide adequate water immediately after planting and set up a regular irrigation schedule. Use mulching to retain soil moisture and prevent weed growth.

**6.Fencing and Protection:**

Install fencing to protect the plants from animals or human disturbance. Use tree guards for individual saplings if necessary.

**7.Monitoring and Maintenance:**

Regularly inspect the plantation for pests, diseases, and nutrient deficiencies. Apply organic or chemical fertilizers and pesticides as needed.

**8.Community Involvement:**

Engage local community members, schools, or organizations in the plantation drive to ensure better care and ownership of the plants.

**9.Awareness Campaigns:**

Conduct awareness programs to educate people about the benefits of fruit and flower plantations and encourage active participation.

**10.Documentation and Reporting:**

Maintain a record of the plantation process, including the number of saplings planted, species, and growth progress. Share updates to build momentum for future initiatives.

## **Long-term action plan**

A long-term action plan for the plantation of fruits and flowers focuses on fostering sustainable agriculture, increasing biodiversity, enhancing community livelihoods, and contributing to environmental conservation. This plan involves a systematic approach to site selection, species choice, planting methods, and long-term management. The steps are detailed below:

### **1. Site Assessment and Planning:**

Conduct a detailed survey to evaluate soil quality, water availability, climate conditions, and topography. Identify suitable areas for fruit orchards and flower gardens, ensuring proximity to water sources and adequate sunlight. Divide the plantation area into zones based on soil fertility, drainage, and land gradient to optimize plant growth.

### **2. Selection of Species:**

Choose fruit and flower species that are native or well-adapted to the local climate and soil conditions. For fruits, prioritize high-yielding, disease-resistant varieties of mango, guava, citrus, papaya, or pomegranate. For flowers, select both ornamental and commercially viable species like roses, marigolds, jasmine, or gerberas. Consider a mix of seasonal and perennial species to ensure year-round production.

### **3. Soil Preparation and Fertilization:**

Enrich the soil with organic compost, farmyard manure, and bio-fertilizers. Implement techniques like plowing, leveling, and mulching to improve soil structure, moisture retention, and fertility. Incorporate natural pest management methods, such as intercropping with pest-repellent plants, to maintain soil health.

### **4. Community Engagement and Capacity Building:**

Involve local communities, self-help groups, and farmers in the planning and implementation process. Conduct training programs on sustainable farming practices, grafting techniques, pruning, and post-harvest management. Create awareness about the economic and environmental benefits of fruit and flower plantations.

### **5. Plantation and Irrigation Systems:**

Develop a phased planting schedule, starting with hardy species to stabilize the soil and gradually expanding to more sensitive species. Use advanced irrigation methods, such as drip irrigation and

rainwater harvesting systems, to optimize water usage and ensure consistent growth during dry spells.

#### 6.Maintenance and Monitoring:

Establish a long-term maintenance plan, including regular weeding, pruning, pest and disease management, and fertilization. Implement periodic monitoring to assess plant health and growth rates. Introduce agroforestry practices by integrating fruits and flowers with other crops to enhance biodiversity and resource efficiency.

#### 7.Value Addition and Marketing:

Develop facilities for processing fruits into jams, juices, or dried products and flowers into essential oils, perfumes, or decorative items. Create marketing strategies to connect local farmers with regional and global markets, focusing on organic and sustainable produce branding.

#### 8.Environmental and Social Impact:

Encourage the plantation of trees and shrubs around fruit orchards and flower beds to act as windbreaks, enhance microclimate, and attract pollinators. Promote eco-tourism and educational tours to generate additional revenue and raise environmental awareness.

#### 9.Policy Support and Funding:

Collaborate with government agencies, non-profits, and private organizations to access grants, subsidies, and technical assistance. Align the action plan with national and regional programs on afforestation, horticulture, and climate change adaptation.

#### 10.Monitoring and Evaluation:

Set measurable goals, such as increases in yield, income, biodiversity, and tree cover. Conduct periodic evaluations to assess the progress and impact of the plantation program. Document successes and challenges to refine future strategies.

## **4.3 Community awareness programmes Conducted**

### **Fruit Bearing Plants**

Fruit-bearing plants offer nutritious produce and can help improve food security while providing environmental benefits. Here are some that are relatively easy to grow and maintain:

#### **1. Papaya**

**Benefits:** Papaya is rich in vitamins A, C, and E, which are great for immunity and skin health. Its enzymes also aid digestion.

**Growing Tips:** Papaya trees thrive in tropical climates, need plenty of sunlight, and are relatively fast-growing, often bearing fruit within a year.

#### **2. Banana**

**Benefits:** Bananas are a good source of potassium, vitamins, and dietary fiber. They are also versatile for cooking and easy to consume as a snack.

**Growing Tips:** Banana plants grow well in warm, humid climates and require well-drained soil and regular watering. They're ideal for regions with high rainfall.

#### **3. Guava**

**Benefits:** Guava is packed with vitamin C, dietary fiber, and antioxidants, supporting immune health and digestion.

**Growing Tips:** This fruit tree is hardy, tolerates various soil types, and requires moderate watering, making it ideal for regions with dry and wet seasons.

#### **4. Mango**

**Benefits:** Mangoes provide a good amount of vitamin C, A, and E, along with antioxidants that help support eye and skin health.

**Growing Tips:** Mango trees thrive in tropical and subtropical climates. They grow best in deep, well-drained soil and require full sunlight to produce well.

#### **5. Lemon/Lime**

**Benefits:** Citrus fruits like lemon and lime are high in vitamin C, beneficial for immunity, and commonly used for both culinary and medicinal purposes.

Growing Tips: These trees require plenty of sunlight and prefer slightly acidic, well-drained soil. They're hardy and relatively easy to care for.

## 6. Pomegranate

Benefits: Known for its high antioxidant content, pomegranate supports heart health and has anti-inflammatory properties.

7. Growing Tips: Pomegranate trees are drought-tolerant and thrive in sunny, dry climates. They're adaptable to various soils but need good drainage.

## Flowering plants

Flowering plants add beauty, attract pollinators, and can also have cultural and economic value. Here are some popular options that are commonly used in community gardens:

### 1. Rose

Benefits: Roses are valued for their beauty and fragrance. They also have uses in herbal teas and skincare products.

Growing Tips: Roses prefer well-drained soil, regular pruning, and sunlight. They need consistent watering and occasional fertilizing for healthy blooms.

### 2. Jasmine

Benefits: Jasmine is highly fragrant and often used in teas, perfumes, and essential oils. It's known to relieve stress and promote relaxation.

Growing Tips: Jasmine thrives in warm climates with full sun to partial shade. It needs well-drained soil and regular watering during the growing season.

### 3. Hibiscus

Benefits: Hibiscus flowers are often used in teas and are known for their vitamin C content and antioxidant properties.

Growing Tips: Hibiscus plants grow well in warm climates with regular watering. They require sunlight and slightly acidic soil for vibrant blooms.

#### 4. Sunflower

Benefits: In addition to their beauty, sunflowers attract pollinators and produce seeds that are rich in nutrients.

Growing Tips: Sunflowers are easy to grow, requiring full sun and well-drained soil. They are drought-resistant and grow quickly.

#### 5. Marigold

Benefits: Marigolds are hardy and repel pests naturally, making them useful for companion planting. They also have cultural significance in many regions.

Growing Tips: Marigolds are adaptable to various soil types and require full sun. They're low-maintenance and ideal for beginners.

#### 6. Bougainvillea

Benefits: Bougainvillea is a drought-resistant plant with vibrant flowers that add a splash of color to any garden.

Growing Tips: Bougainvillea thrives in dry, sunny areas and requires minimal water. It's ideal for warm climates and can be used for hedges or walls.

## **Benefits of Growing Fruit and Flowering Plants in Community Gardens**

Growing fruit and flowering plants in community gardens offers numerous environmental, social, economic, and health benefits. These gardens promote sustainable living and enhance the quality of life for community members. Fruit plants provide a source of fresh, organic produce, reducing dependence on store-bought fruits and encouraging healthier eating habits. Flowering plants, on the other hand, beautify the space, improve mental well-being, and create an aesthetically pleasing environment. Together, these plants enhance biodiversity by attracting pollinators like bees and butterflies, which play a vital role in maintaining ecological balance.

- Nutritional Value: Fruit plants provide fresh, healthy food sources for the community, contributing to overall nutrition.
- Environmental Impact: Fruit and flowering plants help improve air quality, provide shade, and reduce soil erosion.
- Pollinator Support: Flowering plants attract bees, butterflies, and other pollinators, which support biodiversity and local ecosystems.
- Aesthetic and Psychological Benefits: Flowers beautify spaces and can enhance mental well-being, reducing stress and encouraging relaxation.
- Economic Opportunities: Fruit and flowers can be sold or used in local products (e.g., floral arrangements, essential oils), generating income for community members.
- For your project in Kadiyapulanka, you could consider creating dedicated sections for fruit trees and flowering plants, organizing workshops on planting and maintenance, and highlighting the nutritional and cultural importance of each plant. This can help promote community engagement and increase awareness about the diverse uses and benefits of these plants.

Community gardens with fruit and flowering plants help improve air quality by absorbing carbon dioxide and releasing oxygen, contributing to a healthier environment. The greenery acts as a natural coolant, mitigating the urban heat island effect and making the surroundings more comfortable.

## 4.4. MINI PROJECT

### NURSERY LIVE APP

We suggest people install an Nursery live is an e-commerce platform and app dedicated to plants, gardening supplies, and landscaping solutions. It's popular in India and offers a range of plant-related products that can be useful for gardening enthusiasts, home gardeners, and professionals. Here's an overview of what the Nursery Live app provides:

#### Use of Nursery App

The Nursery live app is an online gardening store that allows users to buy plants, seeds, pots, tools, and other gardening accessories. Nursery live sells a wide range of stock keeping units (SKUs) of plants, seeds and garden accessories, across India. Nursery live has grown immensely in a short span of time, incurring a high volume of sales and building a huge customer base. They deliver over 6000 varieties of plants, seeds, bulbs, pebbles, pots and all other gardening related accessories across India. Apart from retail, through our multiple platforms, we also strive to bring our consumers the best and the up-to-date content from the world of gardening. These include ask.nurserylive.com which is a forum to address garden lovers queries, concerns & daily challenges, wiki.nurserylive.com is a forum for sharing gardening related information, experiences & recommendations, Green TV is a forum for sharing gardening related information in form of informative videos and blog.nurserylive.com is a place for customers and gardening enthusiastic blogger to sharing their gardening-related experiences & recommendations.

#### Figure of Nursery live app



Fig 4.4.1 NURSERY LIVE APP

## Steps to log in to the Nursery Live app

1. Download the App: Go to the App Store (iOS) or Google Play Store (Android) and search for "Nursery Live." Download and install the app on your device.
2. Open the App: Launch the Nursery Live app by tapping on its icon.
3. Go to Login: On the main screen, you should see options like "Login" or "Sign In." Tap on it to begin.
4. Enter Your Details:  
If you already have an account, enter your registered email address or phone number and password.  
If you're new, tap on "Sign Up" to create a new account. Follow the instructions to set up an account.
5. Use SocialMedia or Google (optional): Some apps offer login via Google, Facebook, or Apple. If you prefer, you can use one of these options to log in quickly.
6. Verification: If this is your first time logging in, the app may send an OTP (One-Time Password) to your email or phone number for verification. Enter the OTP to confirm your identity.
7. Login Complete: Once you've entered all details correctly, tap on "Login" or "Sign In." You should now have access to the app.

## HOME PAGE OF NURSERY LIVE APP

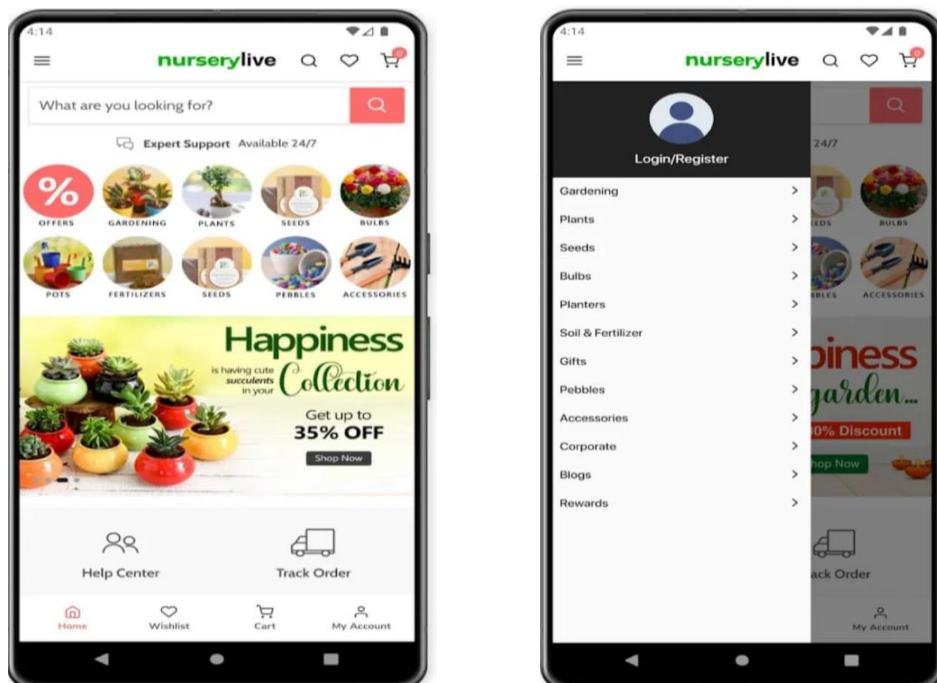


FIG 4.4.2 HOME PAGE

## **TOPICS THAT ARE AVAILABLE ON HOME PAGE**

The Nursery Live app focuses on gardening and plant-related topics, offering a wide variety of resources for plant lovers and gardeners. While I don't have real-time access to the app's current homepage, based on general content and features typical of such platforms, the following topics are commonly available or featured on the homepage of a plant-focused app like Nursery Live:

### **1. Popular Plants**

- Featured indoor and outdoor plants.
- Seasonal recommendations (e.g., plants for winter or summer).

### **2. Plant Care Tips**

- Guides on how to care for specific plants.
- Troubleshooting common plant problems (yellowing leaves, pests, etc.).

### **3. New Arrivals**

- Newly added plants to the nursery catalog.
- Trending plants or rare plant species.

### **4. Gardening Tools & Supplies**

- Recommendations for essential gardening tools.
- Fertilizers, pots, and other accessories.

### **5. Plant Categories**

- Divided by types: indoor, outdoor, succulents, air-purifying plants, etc.
- Specific plant needs: low-light plants, flowering plants, etc.

### **6. Plant Recommendations**

- Expert plant recommendations based on specific needs (e.g., pets, air purifiers, easy-care plants).

### **7. DIY Gardening Projects**

- Creative gardening ideas or how-to projects (e.g., vertical gardens, repotting, terrariums).

### **8. Plant Subscription Service**

- Information on monthly plant delivery services.

### **9. Seasonal Offers & Discounts**

- Special offers on plants, pots, and garden supplies.
- Discounts
- for app users or first-time customers.

## 10. Community & Expert Advice

- Tips and FAQs from experienced gardeners.
- User stories or success stories shared by other plant enthusiasts.

## 11. Health Benefits of Plants

- Information on how plants contribute to well-being, such as improving indoor air quality or boosting mood.

## 12. Gift Ideas

- Plants that make great gifts for special occasions like birthdays, anniversaries, or housewarming parties.

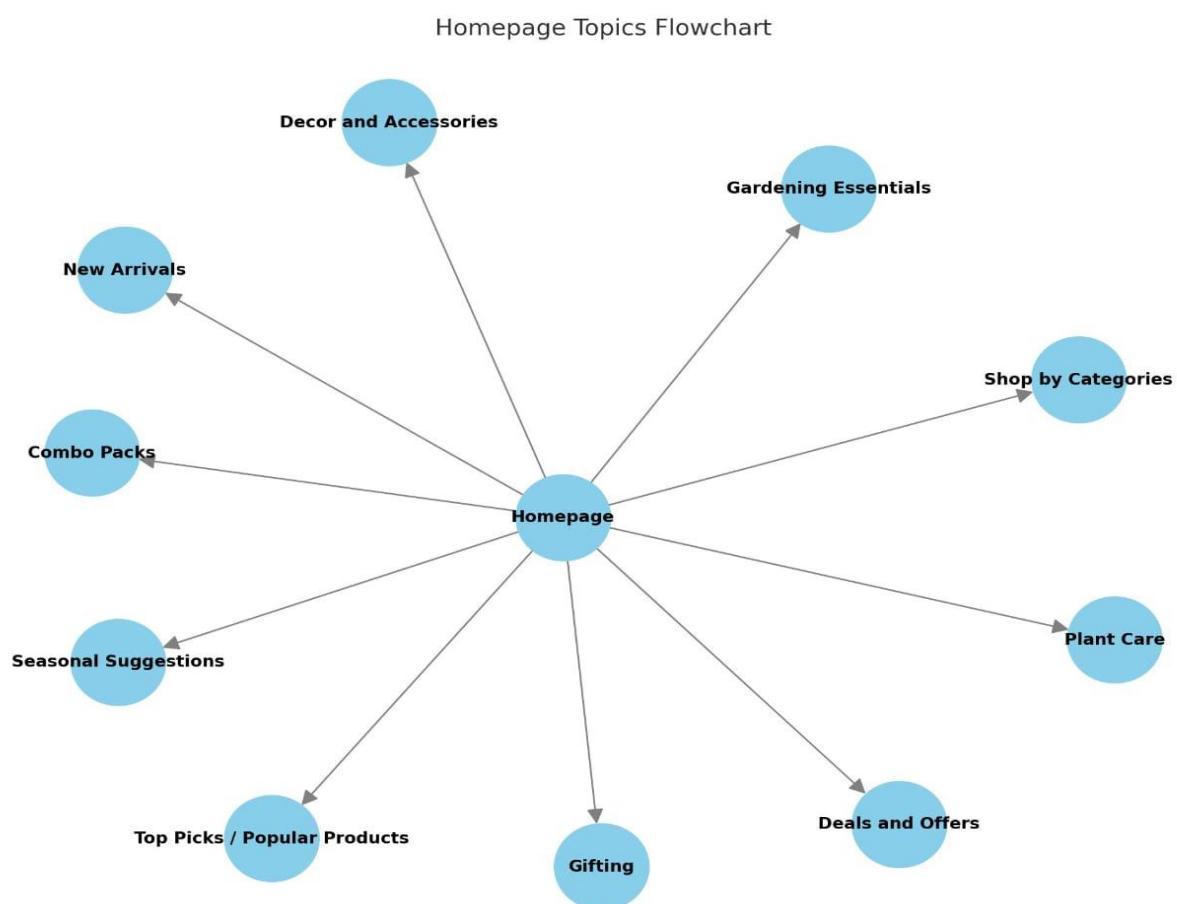


FIG.4.4.3 FLOW CHART

# CHAPTER 5: RECOMMENDATIONS AND CONCLUSIONS OF THE MINI PROJECT

## 5.1 Feedback of Survey

- ♣ We collected feedback from the Nursery workers in the villages.
- ♣ The whole purpose of feedback is to improve performance.
- ♣ It can be used to encourage people to learn, to raise their morale and motivation, and improve their performance.

### 5.1.1 Bar Graph Representation

Here is the bar graph representing the hypothetical growth of nursery plantations in India from 2015 to 2021. The growth percentage shows an increasing trend over the years, reflecting the growing demand for nursery plants, including those for medicinal, decorative, and environmental purposes. Let me know if you'd like to adjust the data or further customize the graph.

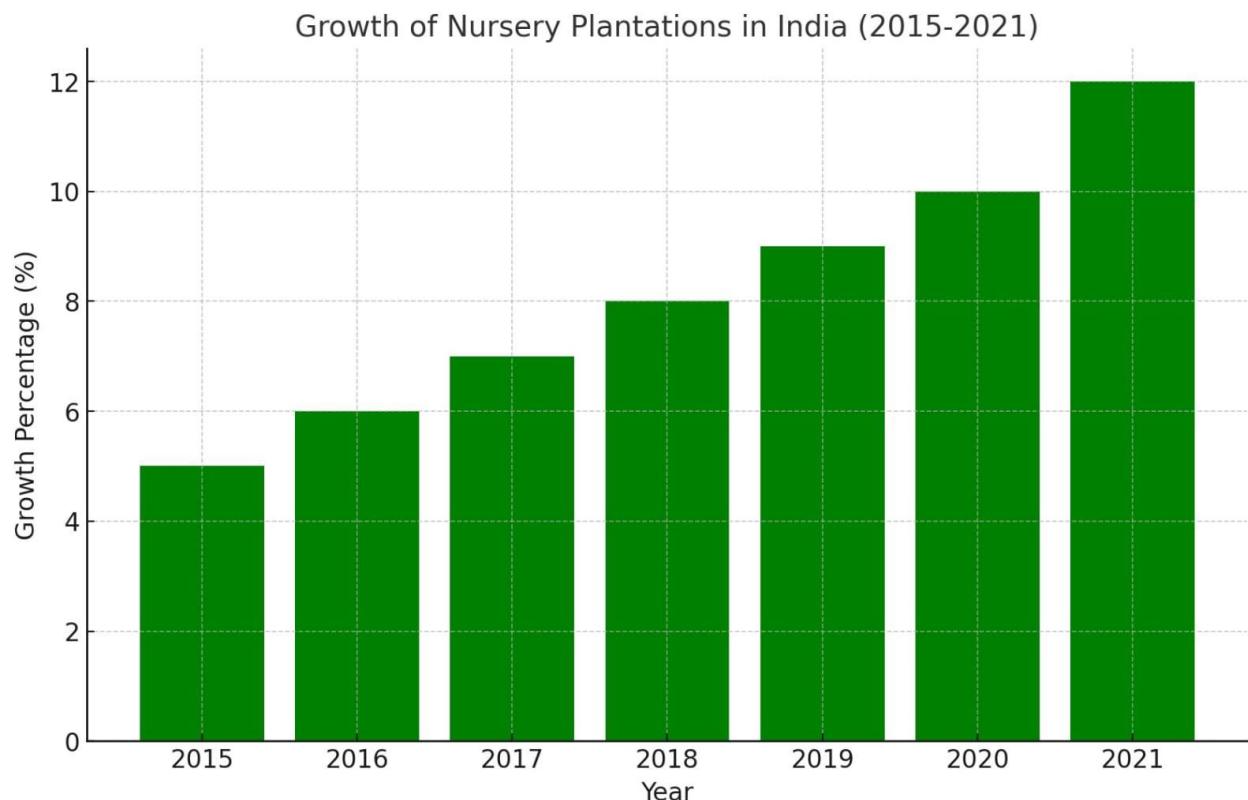


FIG.5.1.1. BAR GARPH

## **CONCLUSION**

In conclusion, fruit and flower plants are essential to our health, environment, and quality of life. Fruit plants provide nutritious food, support local economies, and improve air and soil quality, contributing to self-sufficiency and sustainability. Flower plants not only beautify spaces and uplift our spirits but also play a vital role in supporting pollinators and enhancing biodiversity. Together, these plants help create healthier communities, richer ecosystems, and a deeper connection to nature, ultimately promoting a more balanced and sustainable way of life.

Fruit and flower plants play vital roles in promoting health, environmental sustainability, and community well-being.

**Fruit Plants:** Fruit-bearing plants like citrus, apple, and banana trees provide essential nutrients that contribute to a healthy diet, supporting immune function and reducing the risk of chronic diseases. Growing fruit plants locally helps reduce dependency on imported produce, encouraging self-sufficiency and supporting local economies. Additionally, fruit trees contribute to environmental health by absorbing carbon dioxide, improving air quality, preventing soil erosion, and providing habitats for various wildlife.

**Flower Plants:** Flowering plants, such as roses, marigolds, and sunflowers, enhance the beauty of our surroundings and contribute to mental well-being. Studies show that flowers can reduce stress, boost mood, and create a sense of calm, making them valuable in spaces for relaxation and healing. Flowers also play a critical role in ecosystems by attracting pollinators like bees, butterflies, and birds, supporting biodiversity and aiding in the reproduction of numerous plant species.

Overall, both fruit and flower plants provide essential environmental benefits, such as supporting biodiversity, improving air quality, and promoting soil health. By cultivating these plants, communities can enjoy the dual benefits of fresh, nutritious food and beautiful, vibrant landscapes, fostering healthier, more sustainable lifestyles.

## **RESULT**

- ♣ We conducted survey in a positive way to create and encourage the people about Apps and Technologies.
- ♣ The people gain some knowledge regarding floriculture and benefits from government.

## Chapter 6: Poster Presentation



Department of COMPUTER SCIENCE AND ENGINEERING  
(DATA SCIENCE)

**ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY(A)**

Approved by AICTE, Permanently affiliated to JNTUK & accredited by NAAC Recognized by UGC under the sections 2(f) and 12(B) of the UGC act 1956 Aditya Nagar, AD Road , Surampalem, E.G. Dt- 533437

Aditya College of Engineering and Technology



## **Our Mentor**

Mrs. M. Sri Durga

## **Team members**

❖ G. Lokesh	23MH1A4417
❖ R. Madhavi	23MH1A4453
❖ M. Chaithanya	23MH1A4434
❖ R. Chinnari	23MH1A4454
❖ K. Bhavaj Satya	23MH1A4431

Aditya College of Engineering and Technology



## **Contents**

- 1. Introduction of Plantation**
- 2. Overview Of Community**
- 3. Abstract**
- 4. Project Log Book**
- 5. Sample survey Questions**
  - a. Flowering plants
  - b. Fruit plants
- 6. Questionaries ?**
- 7. Interacting With people in Nursery**
- 8. Short Term Goals**
- 9. Long Term Goals**
- 10. Awareness on people for growing flowering plants and fruit plants**
- 11. What we learn ?**
- 12. Conclusion**

Aditya College of Engineering and Technology



## **Introduction Of Plantation**

Plantation of flowering plants and fruit plants means growing many flowers or fruit trees in an organized way, either in a garden or on a farm. For flowering plants, the goal is to grow beautiful flowers that bloom in different seasons, which can be used for decoration or sold.

For fruit plants, the aim is to grow trees or plants that produce fruits like apples, mangoes, or berries, which can be harvested and eaten or sold. In both cases, the plants need proper care, like watering, fertilizing, and protection from pests, so they grow well and provide flowers or fruits for many years.



Aditya College of Engineering and Technology



## OVERVIEW OF COMMUNITY

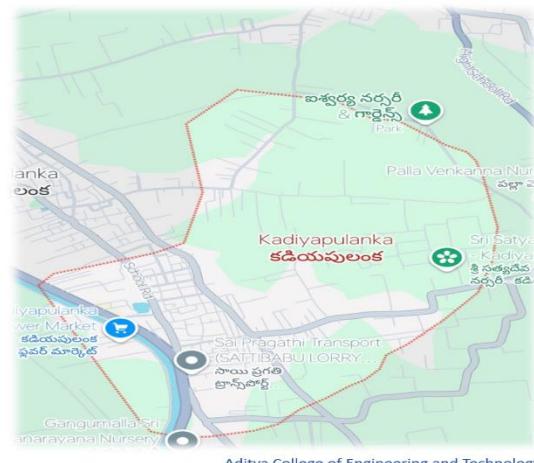
Kadiyapulanka is a Village in Kadiam Mandal in East Godavari District of Andhra Pradesh State, India. It belongs to Andhra region . It is located 51 KM towards west from District head quarters Kakinada. 1 KM from Kadiam. 418 KM from State capital Hyderabad.Kadiyapulanka Pin code is 533126 and postal head office is Kadiyam.

An important industry for Kadiyapulanka is horticulture, with the area's nurseries exporting flowers throughout India. Another is tourism. The place hosted the Eighth All-India Nurserymen's Convention.

**Overall population: 37149**

**Males: 18527**

**Females:18622**



Aditya College of Engineering and Technology



## Abstract

Plantations of multi-purpose tree species can play an important role in restoring productivity, eco- system stability, and biological diversity to degraded tropical lands. The plantation of flowering plants and fruit plants involves growing these plants in a planned way to produce flowers and fruits. Flowering plants are grown to enhance beauty and provide blooms for decoration, while fruit plants are cultivated to produce healthy, delicious fruits.

This type of plantation requires good care, including regular watering, feeding the plants with nutrients, and protecting them from pests and diseases. The goal is to have a sustainable source of flowers and fruits that can be enjoyed, shared, or sold over time.



Aditya College of Engineering and Technology



## Project Log Book

### WEEK -1

Date	Brief description of the daily activity	Learning Outcome	Person inCharge Signature
DAY-1	Discussed about what project we have to do our community service Project.	Decided to go to Kadiyapulanka for plantation for locality people	P.Anitha
DAY-2	Discussed about the place where to go to nursery and field c	Decided to go to Kadiyapulanka	P.Anitha
DAY-3	went to permission for the Sankarla Yarn to do project in that area	they granted permission with some suggestions	P.Anitha
DAY-4	Discussed about the topics which helped for our project	Decided the topics which helped for our project	P.Anitha
DAY-5	prepared our index topics and ordered in a sequential way	Planned about topics needed to be explained in which sequence	P.Anitha
DAY-6	Discussed the roles of each team member	Decided the roles of each team member	P.Anitha

### WEEK -2

Date	Brief description of the daily activity	Learning Outcome	Person inCharge Signature
DAY-1	Prepared poster about our community service project.	Gathered key points about community service	P.Anitha
DAY-2	Discussed about questions related to plantation	prepared key notes on what is plantation	P.Anitha
DAY-3	Offered some points on benefits of plantation or its importance	prepared key notes on what we concluded from them.	P.Anitha
DAY-4	Explained our various types of planting on fruit and flower plants	prepared key notes on planting methods.	P.Anitha
DAY-5	Explained about process of plantation practice.	prepared key notes on process of plantation awareness practice.	P.Anitha
DAY-6	Concluded the community service project with my teammates.	We completed our community service project with KADIYAPULANKA KARNAVALA MANUAL	P.Anitha.

Aditya College of Engineering and Technology



## Sample survey Questions

### ❖ Flowering plants

#### • **Question no.2**

- What challenges do you face when growing flowering plants?
- Pests
  - Diseases
  - Weather conditions
  - Soil quality
  - Time commitment



#### • **Question no.1**

How would you rate your knowledge of flowering plants?

- Beginner
- Intermediate
- Advanced



#### ▪ **Question no. 3**

Are you aware of native flowering plants in your region?

- Yes
- No

Aditya College of Engineering and Technology



## Fruit plants

### **Question no.2**

What is your primary source of information about fruit plants?

- Books
- Online articles
- Social media
- Workshops/classes
- Friends/family



#### **Question no.1**

What factors influence your choice of fruit plants?

- Taste
- Size
- Color

Nutritional value

Maintenance requirements

Seasonal availability



#### **Question no.3**

Are you aware of native fruit plants in your region?

- Yes
- No

Aditya College of Engineering and Technology



## Questionaries ?



- 1.How would you rate your knowledge of flowering plants?
- 2.How often do you purchase flowering plants?
- 3.What type of flowering plants do you prefer to grow?
- 4.How much time do you dedicate to caring for your fruit plants each week?
- 5.How do you feel about the use of pesticides in fruit plant cultivation?
- 6.What factors influence your choice of fruit plants?
- 7.What is your preferred method for controlling pests on lowering plants and fruits plants?
- 8.What types of gardening events would you be interested in attending?
- 9.What types of fruit plants would you like to learn more about?

Aditya College of Engineering and Technology



## Interacting With people in Nursery

- We are interacting with farmers are working in the Nursery
- He has years of experience for growing plants in the Nursery specially in flowering plants and fruit plants.
- He is explaining us how to grow flowering plants and fruit plants at outskirts and fields.
- Also, he teaching us what's the use of flowering plants and fruit plants.



Aditya College of Engineering and Technology



## Short Term Goals

1. **Pollinator Support\*\*:** They provide essential nectar and pollen for pollinators like bees, butterflies, and hummingbirds, which are crucial for ecosystem health.
2. **Biodiversity\*\*:** Flowering plants contribute to biodiversity, supporting various species and promoting ecological balance.
3. **Soil Erosion Control\*\*:** Their root systems help stabilize soil, reducing erosion and promoting soil health.
4. **Habitat Creation\*\*:** Flowering plants create habitats for various wildlife, offering food and shelter for birds, insects, and small mammals.
5. **Medicinal Uses\*\*:** Many flowering plants have medicinal properties and are used in traditional and modern medicine to treat various ailments.
6. **Cultural Significance\*\*:** They hold cultural and symbolic meanings in many societies, playing roles in rituals, celebrations, and traditions.
7. **Stress Reduction\*\*:** Interacting with flowering plants has been shown to reduce stress and promote mental well-being.



Aditya College of Engineering and Technology



## Long Term Goals

Here are some simple long-term goals for a plantation:

1. **Grow Sustainably:** Keep the plantation healthy for many years by protecting the soil, saving water, and using eco-friendly methods.
2. **Increase Harvest:** Over time, work on getting more and better crops by improving how you plant and care for them.
3. **Make more Profit :** Turn the plantation into a successful business by cutting costs, being efficient, and finding good buyers.
4. **Expand the Plantation:** Plan to grow your business by getting more land or planting more types of crops.
5. **Use Modern Tools:** Over time, add new technology like better machines or farming apps to make work easier and more effective. These goals focus on growing and improving the plantation for the future.



Aditya College of Engineering and Technology



## Awareness on people for growing flowering plants and fruit plants

**Workshops and Seminars:** Organize community-based workshops on the benefits of growing flowering and fruit plants, including how they contribute to biodiversity, clean air, and healthy diets.

**Online Resources:** Develop easy-to-access websites or social media pages offering gardening tips, plant care guides, and the environmental and health benefits of growing these.

[naturelive](#)

**Urban Gardening Projects:** Create community gardens in urban areas where space is limited. These projects can allow residents to grow their own fruits and flowers while fostering a sense of community.

**Green Zones:** Encourage the establishment of green zones in residential areas by planting fruit trees and flowering plants in public spaces, parks, and along roadsides.

**Health and Nutrition:** Share information about how fruit plants can provide fresh, organic food sources and how flowering plants improve mental well-being through aesthetics and reduced stress.

**Environmental Impact:** Raise awareness of how flowering plants attract pollinators like bees and butterflies, which are crucial for healthy ecosystems, and how fruit trees absorb carbon dioxide, reducing the carbon footprint.

Aditya College of Engineering and Technology



## What we learn ?

- Plant Care Basics:** Understanding how to care for different types of plants, including watering, light, soil, and fertilization.
- Propagation Techniques:** Learning how to propagate plants, whether through seeds, cuttings, or other methods.
- Pest and Disease Management:** Identifying common pests and diseases that affect medical and decorative plants, along with prevention and treatment strategies.
- Medical Uses of Plants:** Researching the medical properties of various plants and how they can be used in traditional and modern medicine
- Sustainability Practices:** Learning about eco-friendly practices in planting and maintaining plants.
- Botany Basics:** Familiarizing yourself with plant biology and anatomy to better understand how plants grow and thrive.



Aditya College of Engineering and Technology



## Interaction with Official



Aditya College of Engineering and Technology



## Conclusion

In conclusion, planting flowering plants and fruit plants is a rewarding activity that brings beauty and benefits to our lives.

By growing flowers, we can enjoy their colors and fragrances, while fruit plants provide us with fresh and healthy produce. With proper care, including watering, fertilizing, and pest control, these plants can thrive for many years.

Whether for personal enjoyment, decoration, or selling, the plantation of flowering and fruit plants contributes to a healthier environment and can be a fulfilling way to connect with nature.

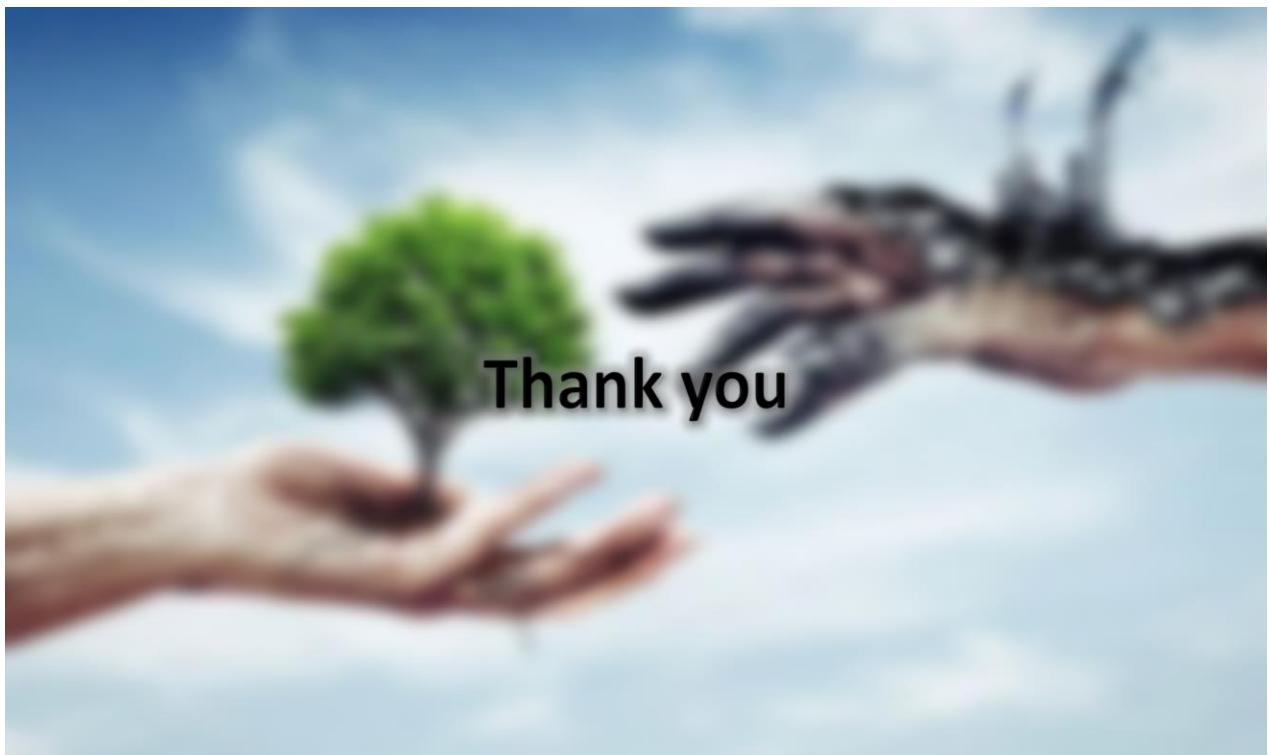


Aditya College of Engineering and Technology

FOR A BETTER TOMORROW,  
PLANT MORE TREES AND MAKE  
THIS PLANET A BETTER  
PLACE TO LIVE IN.



Thank you



## **Student Self-Evaluation for the Community Service Project**

**Student Name : G. LOKESH**

**Registration No:23MH1A4417**

**Period of CSP: From: 19/05/2024 To: 04/06/2004**

**Date of Evaluation:**

**Please rate your performance in the following areas:**

**Rating Scale: Letter grade of CGPA calculation to be provided**

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Student**

## **Student Self-Evaluation for the Community Service Project**

**Student Name : M. CHAITHANYA**

**Registration No:23MH1A4434**

**Period of CSP: From:19/05/2024 To: 04/06/2024**

**Date of Evaluation:**

**Please rate your performance in the following areas:**

**Rating Scale: Letter grade of CGPA calculation to be provided**

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Student**

## **Student Self-Evaluation for the Community Service Project**

**Student Name: R. MADHAVI**

**Registration No:23MH1A4453**

**Period of CSP: From: 19/05/2024 To: 04/06/2024**

**Date of Evaluation:**

**Please rate your performance in the following areas:**

**Rating Scale: Letter grade of CGPA calculation to be provided**

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Student**

## **Student Self-Evaluation for the Community Service Project**

**Student Name: K. BHAVAJ SATYA**

**Registration No: 23MH1A4431**

**Period of CSP: From: 19/05/2024 To: 04/06/2024**

**Date of Evaluation:**

**Please rate your performance in the following areas:**

**Rating Scale: Letter grade of CGPA calculation to be provided**

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Student**

## **Student Self-Evaluation for the Community Service Project**

**Student Name: R. CHINNARI**

**Registration No: 23MH1A4454**

**Period of CSP: From: 19/05/2024 To: 04/06/2024**

**Date of Evaluation:**

**Please rate your performance in the following areas:**

**Rating Scale: Letter grade of CGPA calculation to be provided**

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Student**

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

**Student Name : G. LOKESH**

**Registration No : 23MH1A4417**

**Period of CSP: From: 19-05-2024 To 04-06-2024**

**Date of Evaluation:**

**Name of the Person incharge:**

**Address with Mobile number:**

**Please rate the student's performance in the following areas:**

Please note that your evaluation shall be done independent of the Student's self- evaluation

**Rating Scale: 1 is lowest and 5 is highest rank**

<b>1</b>	<b>Oral communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>2</b>	<b>Written communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>3</b>	<b>Proactiveness</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>4</b>	<b>Interaction ability with community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>5</b>	<b>Positive Attitude</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>Self-confidence</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>7</b>	<b>Ability to learn</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>8</b>	<b>Work Plan and organization</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>9</b>	<b>Professionalism</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>10</b>	<b>Creativity</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>11</b>	<b>Quality of work done</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>12</b>	<b>Time Management</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>13</b>	<b>Understanding the Community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>14</b>	<b>Achievement of Desired Outcomes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Person in-charge:**

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

**Student Name:** M.CHAITHANYA

**Registration No:** 23MH1A4434

**Period of CSP:** From: 19-05-2024 To 04-06-2024

**Date of Evaluation:**

**Name of the Person in charge:**

**Address with Mobile number:**

**Please rate the student's performance in the following areas:**

Please note that your evaluation shall be done independent of the Student's self-evaluation

**Rating Scale: 1 is lowest and 5 is highest rank**

<b>1</b>	<b>Oral communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>2</b>	<b>Written communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>3</b>	<b>Proactiveness</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>4</b>	<b>Interaction ability with community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>5</b>	<b>Positive Attitude</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>Self-confidence</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>7</b>	<b>Ability to learn</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>8</b>	<b>Work Plan and organization</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>9</b>	<b>Professionalism</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>10</b>	<b>Creativity</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>11</b>	<b>Quality of work done</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>12</b>	<b>Time Management</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>13</b>	<b>Understanding the Community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>14</b>	<b>Achievement of Desired Outcomes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Person in-charge:**

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

**Student Name:** R. MADHAVI

**Registration No:** 23MH1A4453

**Period of CSP:** From: 19-05-2024 To 04-06-2024

**Date of Evaluation:**

**Name of the Person in charge:**

**Address with Mobile number:**

**Please rate the student's performance in the following areas:**

Please note that your evaluation shall be done independent of the Student's self-evaluation

**Rating Scale: 1 is lowest and 5 is highest rank**

<b>1</b>	<b>Oral communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>2</b>	<b>Written communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>3</b>	<b>Proactiveness</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>4</b>	<b>Interaction ability with community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>5</b>	<b>Positive Attitude</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>Self-confidence</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>7</b>	<b>Ability to learn</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>8</b>	<b>Work Plan and organization</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>9</b>	<b>Professionalism</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>10</b>	<b>Creativity</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>11</b>	<b>Quality of work done</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>12</b>	<b>Time Management</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>13</b>	<b>Understanding the Community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>14</b>	<b>Achievement of Desired Outcomes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Person in-charge:**

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

**Student Name:** K. BHAVAJ SATYA

**Registration No:** 23MH1A4431

**Period of CSP:** From: 19-05-2024 To 04-06-2024

**Date of Evaluation:**

**Name of the Person in charge:**

**Address with Mobile number:**

**Please rate the student's performance in the following areas:**

Please note that your evaluation shall be done independent of the Student's self-evaluation

**Rating Scale: 1 is lowest and 5 is highest rank**

<b>1</b>	<b>Oral communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>2</b>	<b>Written communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>3</b>	<b>Proactiveness</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>4</b>	<b>Interaction ability with community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>5</b>	<b>Positive Attitude</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>Self-confidence</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>7</b>	<b>Ability to learn</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>8</b>	<b>Work Plan and organization</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>9</b>	<b>Professionalism</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>10</b>	<b>Creativity</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>11</b>	<b>Quality of work done</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>12</b>	<b>Time Management</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>13</b>	<b>Understanding the Community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>14</b>	<b>Achievement of Desired Outcomes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Person in-charge:**

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

**Student Name:** R. CHINNARI

**Registration No:** 23MH1A4454

**Period of CSP:** From: 19-05-2024 To 04-06-2024

**Date of Evaluation:**

**Name of the Person in charge:**

**Address with Mobile number:**

**Please rate the student's performance in the following areas:**

Please note that your evaluation shall be done independent of the Student's self-evaluation

**Rating Scale: 1 is lowest and 5 is highest rank**

<b>1</b>	<b>Oral communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>2</b>	<b>Written communication</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>3</b>	<b>Proactiveness</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>4</b>	<b>Interaction ability with community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>5</b>	<b>Positive Attitude</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>Self-confidence</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>7</b>	<b>Ability to learn</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>8</b>	<b>Work Plan and organization</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>9</b>	<b>Professionalism</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>10</b>	<b>Creativity</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>11</b>	<b>Quality of work done</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>12</b>	<b>Time Management</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>13</b>	<b>Understanding the Community</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>14</b>	<b>Achievement of Desired Outcomes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>15</b>	<b>OVERALL PERFORMANCE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Date:**

**Signature of the Person in-charge:**

## CHAPTER 9: PHOTOS



FIG 9.1 VILLAGE SECRETARIAT KADIYAPULANKA



FIG 9.2 DAY-4



FIG 9.3 DAY-6



FIG 9.4 DAY-8



FIG 9.5 DAY-10



FIG 9.6 DAY-12

## **INTERNAL ASSESSMENT STATEMENT**

**(To be used by the Examiners)**

**Name of the Student:** G. LOKESH

**Program of Study:** B. TECH

**Year of Study:** 2023-2027

**Group:** CSE-DATA SCIENCE

**Register No/H.T. No:** 23MH1A4417

**Name of the College:** ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

**University:** JNTUK

<b>Sl. No</b>	<b>Evaluation Criterion</b>	<b>Maximum Marks</b>	<b>Marks Awarded</b>
1.	Activity Log	20	
2.	Community Service Project Implementation	30	
3.	Mini Project Work	25	
4.	Oral Presentation	25	
	<b>GRAND TOTAL</b>	100	

**Date:  
Guide**

**Signature of the Faculty**

**Date:  
Seal:**

**Signature of the Head of the Department/Principal**

**Certified by**

## **INTERNAL ASSESSMENT STATEMENT**

**(To be used by the Examiners)**

**Name of the Student:** M. CHAITHANYA

**Program of Study:** B. TECH

**Year of Study:** 2023-2027

**Group:** CSE-DATA SCIENCE

**Register No/H.T. No:** 23MH1A4434

**Name of the College:** ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

**University:** JNTUK

<b>Sl. No</b>	<b>Evaluation Criterion</b>	<b>Maximum Marks</b>	<b>Marks Awarded</b>
1.	Activity Log	20	
2.	Community Service Project Implementation	30	
3.	Mini Project Work	25	
4.	Oral Presentation	25	
	<b>GRAND TOTAL</b>	100	

**Date:  
Guide**

**Signature of the Faculty**

**Certified by**

**Date:**

**Signature of the Head of the Department/Principal**

**Seal:**

## **INTERNAL ASSESSMENT STATEMENT**

**(To be used by the Examiners)**

**Name of the Student:** R. MADHAVI

**Program of Study:** B. TECH

**Year of Study:** 2023-2027

**Group:** CSE-DATA SCIECNCE

**Register No/H.T. No:** 23MH1A4453

**Name of the College:** ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

**University:** JNTUK

<b>Sl. No</b>	<b>Evaluation Criterion</b>	<b>Maximum Marks</b>	<b>Marks Awarded</b>
1.	Activity Log	20	
2.	Community Service Project Implementation	30	
3.	Mini Project Work	25	
4.	Oral Presentation	25	
	<b>GRAND TOTAL</b>	100	

**Date:  
Guide**

**Signature of the Faculty**

**Certified by**

**Date:**

**Signature of the Head of the Department/Principal**

**Seal:**

## **INTERNAL ASSESSMENT STATEMENT**

**(To be used by the Examiners)**

**Name of the Student:** K. BHAVAJ SATYA

**Program of Study:** B. TECH

**Year of Study:** 2023 -2027

**Group:** CSE-DATA SCIENCE

**Register No/H.T. No:** 23MH1A4431

**Name of the College:** ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

**University:** JNTUK

<b>SI. No</b>	<b>Evaluation Criterion</b>	<b>Maximum Marks</b>	<b>Marks Awarded</b>
1.	Activity Log	20	
2.	Community Service Project Implementation	30	
3.	Mini Project Work	25	
4.	Oral Presentation	25	
	<b>GRAND TOTAL</b>	100	

**Date:  
Guide**

**Signature of the Faculty**

**Certified by**

**Date:**

**Signature of the Head of the Department/Principal**

**Seal:**

## **INTERNAL ASSESSMENT STATEMENT**

**(To be used by the Examiners)**

**Name of the Student:** R. CHINNARI

**Program of Study:** B. TECH

**Year of Study:** 2023 -2027

**Group:** CSE-DATA SCIENCE

**Register No/H.T. No:** 23MH1A4454

**Name of the College:** ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

**University:** JNTUK

<b>SI.No</b>	<b>Evaluation Criterion</b>	<b>Maximum Marks</b>	<b>Marks Awarded</b>
1.	Activity Log	20	
2.	Community Service Project Implementation	30	
3.	Mini Project Work	25	
4.	Oral Presentation	25	
	<b>GRAND TOTAL</b>	100	

**Date:  
Guide**

**Signature of the Faculty**

**Certified by**

**Date:**

**Signature of the Head of the Department/Principal**

**Seal:**