

# **FEAST RESPONSIBLY SUSTAINABLE DINNING CHOICES IN SINGALURU**

**A Community Service Project Report**

Submitted to the Faculty of Engineering of  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA,  
KAKINADA**

In partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF TECHNOLOGY**  
In  
**COMPUTER SCIENCE AND ENGINEERING**

By

**KANTUMAJJI KOTESWARARAO**  
**(21481A0598)**

Under the EnviablE and Esteemed Guidance of

**Mrs. D. Priyanka, M.Tech,**

Assistant Professor, Department of CSE



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE**

**(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)**

**SESHADRIRAO KNOWLEDGE VILLAGE**

**GUDLAVALLERU – 521356**

**ANDHRA PRADESH 2023-24**

# **Program Book for Community Service Project**



**Name of the Student:** Kantumajji Koteswararao

**Name of the College:** Seshadri Rao Gudlalleru Engineering College

**Registration Number:** 21481A0598

**Period of CSP:** 15-05-2023 To: 3-06-2023 (3 weeks)  
14-08-2023 To: 26-08-2023 (2 weeks)  
28-08-2023 To: 16-09-2023 (3 weeks)

**Name & Address of the Community/Habitation:** Singaluru,  
Gudlalleru Mandal, Krishna District 521356.

# **Community Service Project Report**

Name of the College: **Seshadri Rao Gudlavalleru Engineering College**

Department: **COMPUTER SCIENCE AND ENGINEERING**

Name of the Faculty Guide: **Mrs. D. Priyanka** (Assistant professor of CSE)

Duration of the CSP: From 15-05-2023 To 03-06-2023 (3 weeks)

From 14-08-2023 To 26-08-2023 (2 weeks)

From 28-08-2023 To 16-09-2023 (3 weeks)

Name of the Student: Kantumajji Koteswararao

Programme of Study Year of Study: B.Tech 3<sup>rd</sup> Year

Register Number: 21481A0598

Date of Submission: 20-12-2023

### **Student's Declaration**

I **Kantumajji Koteswararao (21481A0598)** student of BACHELOR OF TECHNOLOGY, of the COMPUTER SCIENCE AND ENGINEERING Department of Seshadri Rao Gudlavalleru Engineering College do hereby declare that I have completed the mandatory community service From: 15-05-2023 To 03-06-2023 (3 weeks), 14-08-2023 To 26-08-2023 (2 weeks), 28-08-2023 To 16-09-2023 (3 weeks) in Singaluru Community under the Faculty Guideship of **Mrs. D. Priyanka**, M.Tech Assistant Professor in the Department of Computer Science And Engineering Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru.

(Signature and Date)

### **Endorsements**

Faculty Guide

Master of Trainer(S):

Head of the Department

Principal

### **Certificate from Official of the Community**

This is to certify that **Kantumajji Koteswararao(21481A0598)** of SeshadriRao Gudlavalleru Engineering College underwent community service in Singaluru From:15-05-2023 To: 03-06-2023 (3 weeks), 14-08-2023To: 26-08-2023 (2 weeks), 28-08-2023 To: 16-09-2023 (3 weeks)

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

Authorized Signatory with Date and Seal

## **ACKNOWLEDGEMENT**

I would like to express my deep sense of gratitude and sincere thanks to **Mrs.D.Priyanka, M.Tech**, Department of Computer Science and Engineering Seshadri Rao Gudlavalleru Engineering College for her constant guidance, supervision, and motivation in completing the project work.

I feel elated to express my floral gratitude and sincere thanks to **Dr. M. Babu Rao**, Head of the Department, Computer Science and Engineering for his encouragements all the way during analysis of the project. His annotations, insinuations and criticisms are the key behind the successful completion of the project work.

I would like to take this opportunity to thank our beloved principal **Dr. B. Karuna Kumar**, for providing a great support for me in completing our project and giving me the opportunity for doing project.

My Special thanks to the faculty of our department and programmers of our computer lab. Finally, I thank our family members, non-teaching staff and our friends, who had directly or indirectly helped and supported me in completing our project in time.

**Kantumajji Koteswararao(21481A0598)**

## **Chapter 1 : Executive summary**

### **Project Title: Feast Responsibly Sustainable Dinning choices in singaluru village**

The project focuses on establishing a factory in Singaluru village dedicated to the manufacturing of eco-friendly eating plates. The initiative not only provides employment opportunities for the local community but also contributes to sustainable practices by producing plates from natural materials.

The manufacturing of eco-friendly eating plates in Singaluru village serves as a beacon of sustainable development. Through the establishment of a factory, the project addresses economic, social, and environmental aspects. By utilizing eco-friendly materials and implementing sustainable manufacturing practices, the project not only produces high-quality eating plates but also fosters community engagement, economic growth, and environmental responsibility. This initiative aligns with the principles of sustainable development, creating a positive impact on both the local community and the broader ecological landscape.

### **Learning Objectives:**

- ❖ Understand and implement eco-friendly manufacturing processes.
- ❖ Enhance community involvement and provide job opportunities.
- ❖ Implement stringent quality control measures.
- ❖ Conduct market research and position the product effectively.
- ❖ Evaluate the environmental impact of the manufacturing process.
- ❖ Educate the local community on sustainable living.

### **Outcomes:**

- ❖ Reduced environmental impact through the use of sustainable materials and energy-efficient production methods.
- ❖ Improved economic conditions in Singaluru village, with increased employment and skills development for local residents.
- ❖ Consistent production of high-quality, durable eco-friendly plates, ensuring customer satisfaction and market competitiveness.
- ❖ Identification of target markets, competitive pricing, and successful product positioning, leading to increased market share.
- ❖ Establish and maintain a transparent eco-friendly supply chain, promoting corporate responsibility and accountability.

## **Chapter 2 : Overview of the community**

### **About the community:**

Singaluru is known for its diverse and harmonious community. The residents represent a blend of cultural, linguistic, and religious backgrounds, contributing to a vibrant tapestry of traditions and customs. This diversity is a source of strength, fostering a spirit of unity and shared identity. The community in Singaluru holds deep-rooted traditions, ethical values, and cultural practices. These play a pivotal role in shaping the daily lives of its residents. The village is likely to uphold strong ethical standards, guided by values that emphasize community welfare, respect for elders, and environmental consciousness.

### **Historic Profile:**

Singaluru boasts a rich historical legacy, witnessing the evolution of culture and lifestyle over the years. This historical background shapes the identity of the community and provides context for understanding its traditions and values.

### **Socio Economic Conditions:**

The socio-economic conditions in Singaluru reflect a spectrum of opportunities and challenges. The introduction of an eco-friendly plate manufacturing project is a positive step that has the potential to improve living standards, create employment, and align with the community's values of environmental responsibilities.

The introduction of eco-friendly manufacturing contributes to community empowerment, fostering a sense of ownership and participation. The community takes pride in the sustainable practices of the project, strengthening social cohesion.

In summary, Singaluru is a community with a rich history, diverse demographics, and strong cultural values. The introduction of eco-friendly plate manufacturing not only addresses economic aspects but also aligns with the community's ethos, contributing to environmental sustainability and community empowerment.



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

### **Activities Undertaken in the Community:**

community project to prepare eco-friendly eating plates using fresh small leaves. This outline consists of five steps:

#### **1.Step: Leaf Collection and Preparation (Days 1-5):**

- Identify and select suitable fresh small leaves from local sources.
- Organize a community gathering for leaf collection, involving volunteers from the community.
- Inspect and clean the collected leaves to ensure they are free from debris and contaminants.



#### **2.Stitching and Shapeing(days6-10):**

- Conduct workshops or training sessions on the proper stitching and shaping techniques.
- Community members stitch the leaves together in specific patterns to create desired

plate shape.

- Emphasize uniformity and precision in stitching to ensure a consistent final product.



### **3.Step:Paper Covering(days 10-15):**

- Provide instruction on covering the stitched leaves with a layer of eco-friendly paper.
- Demonstrate proper techniques for applying the paper cover to enhance the structural integrity of the plate.
- Encourage creativity in the choice of paper designs to add aesthetic value.



Fig-3 shows layering of paper

### **4.Step:Layering For Strength(days 15-20):**

- Instruct community members on the layering process to reinforce the plate's strength.
- Demonstrate the application of additional layers using eco-friendly and biodegradable materials
- Highlight the importance of layering for durability and longevity of the eating Plates.





**5.Step:Machine Shapeing and Quality Check(days 21-25):**

- Introduce the use of shaping machines for uniformity in the final product.
- Train individuals to operate the machines safely and efficiently.
- Implement a quality check process to ensure that the plates meet the desired standards before distribution.





#### **6.Optimal Step:Community Workshop and Feedback(days 26-30):**

- Host a community workshop to showcase the completed eco-friendly plates.
- Gather feedback from community members on the project and the quality of the plates.
- Use feedback to make any necessary improvements and adjustments for future produc



## CHAPTER-5 : OUTCOMES DESCRIPTION

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

<ul style="list-style-type: none"><li>• What is your primary source of income?</li></ul>
<ul style="list-style-type: none"><li>• How many family members reside in your household?</li></ul>
<ul style="list-style-type: none"><li>• What is the level of education attained by the head of the household?</li></ul>
<ul style="list-style-type: none"><li>• Do you have access to clean drinking water?</li></ul>
<ul style="list-style-type: none"><li>• How often do power outages affect your daily life?</li></ul>
<ul style="list-style-type: none"><li>• What is the main occupation of the villagers?</li></ul>
<ul style="list-style-type: none"><li>• Is there a healthcare facility easily accessible in the village?</li></ul>
<ul style="list-style-type: none"><li>• How would you describe the condition of local roads?</li></ul>
<ul style="list-style-type: none"><li>• What are the common crops grown in the village?</li></ul>
<ul style="list-style-type: none"><li>• Are there any sanitation facilities in your household?</li></ul>
<ul style="list-style-type: none"><li>• How frequently does your community face water shortages?</li></ul>
<ul style="list-style-type: none"><li>• What transportation means are available locally?</li></ul>
<ul style="list-style-type: none"><li>• Is there access to formal financial services in the village?</li></ul>
<ul style="list-style-type: none"><li>• How has the village been affected by recent environmental changes?</li></ul>
<ul style="list-style-type: none"><li>• Are there educational opportunities for children in the village?</li></ul>
<ul style="list-style-type: none"><li>• What types of social or community events are prevalent?</li></ul>
<ul style="list-style-type: none"><li>• How do residents perceive the overall safety of the village?</li></ul>
<ul style="list-style-type: none"><li>• Are there any ongoing community development projects?</li></ul>
<ul style="list-style-type: none"><li>• Have you or your family been involved in any entrepreneurial activities?</li></ul>
<ul style="list-style-type: none"><li>• What challenges do you think the village is currently facing?</li></ul>

**Describe the problems you have identified in the community.**

➤ Insufficient funding for project implementation.
➤ Lack of access to essential resources like materials and tools.
➤ Difficulty in involving all community members.
➤ Resistance or apathy towards project participation.
➤ Inadequate local infrastructure (roads, electricity, water supply).
➤ Limited access to healthcare and educational facilities.
➤ Impact of the project on the local environment.
➤ Lack of sustainable practices in the community.
➤ Language barriers hindering effective communication.
➤ Limited access to communication technologies.
➤ Low levels of education and skill development.
➤ Limited awareness of the project's objectives and benefits.
➤ Poor sanitation practices leading to health issues.
➤ Limited access to clean water and sanitation facilities.
➤ Cultural differences affecting project acceptance.
➤ Difficulty in aligning project goals with local customs.
➤ Local political influences impacting project implementation.
➤ Social divisions hindering collaborative efforts.
➤ Vulnerability to natural disasters affecting project continuity.
➤ Unpredictable weather patterns impacting agriculture or infrastructure.

**Short-term and Long term Action plans for possible Solutions for the problems identified and that could be recommended to the concerned authorities for implementation**

<b>❖ <u>Short-Term Action Plans:</u></b>
✓ Immediate fundraising initiatives to address financial gaps.
✓ Mobilize volunteers to collect and distribute essential resources.
✓ Conduct targeted outreach campaigns for community engagement.
✓ Organize workshops to address resistance and increase participation.
✓ Prioritize quick repairs and maintenance of local infrastructure.
✓ Facilitate medical camps and educational awareness programs.
✓ Introduce quick-win sustainability practices in the project.
✓ Implement multilingual communication strategies for better understanding.
✓ Provide temporary technology solutions for communication access.
<b>❖ <u>Long-Term Action Plans:</u></b>
✓ Develop a sustainable funding model for ongoing project support.
✓ Establish community committees for continuous involvement.
✓ Invest in comprehensive infrastructure development projects.
✓ Collaborate with healthcare and education authorities for long-term solutions.
✓ Integrate eco-friendly practices as a permanent project component.
✓ Establish language and technology training programs for the community.
✓ Implement long-term education and skill development initiatives.
✓ Formulate a community-led sanitation and health improvement plan.
✓ Develop a cultural sensitivity training program for project sustainability.

### Description of the community Awareness conducted w.r.t the problems & outcome

Conducted a comprehensive awareness campaign addressing prevalent issues within the
community, utilizing a multi-channel approach, including community meetings, pamphlets, and digital
communication. Emphasized the importance of active participation and collaboration to garner community
support for proposed solutions.

❖ Learning Objectives:

- |   |
|---|
| ➤ Understand project goals and community challenges.        |
| ➤ Develop effective communication and collaboration skills. |
| ➤ Apply sustainable practices in community development.     |
| ➤ Enhance problem-solving abilities in real-world contexts. |

❖ Outcomes:

- |   |
|---|
| ➤ Improved project awareness and goal comprehension.                  |
| ➤ Strengthened communication and collaboration within the community.  |
| ➤ Application of sustainable practices for positive community impact. |
| ➤ Enhanced problem-solving skills in addressing community challenges. |




## **Report of the mini-project work done in the related subject w.r.t thehabitation/village.**

The mini-project focused on implementing sustainable practices related to the production of eco-friendly eating plates in the village of Singaluru. The aim was to promote environmental consciousness, community involvement, and economic growth through the establishment of a local industry.

Mini-Project Report on Handmade Ecofriendly eating plates in Singaluru village.

### **INTRODUCTION:**

The Mini-Project on Handmade Eco-friendly Eating Plates in Singaluru emerges as a holistic initiative rooted in sustainability, community development, and environmental consciousness. Nestled in the picturesque village of Singaluru, this project seeks to revolutionize traditional plate manufacturing, blending age-old craftsmanship with modern eco-friendly practices.

### **Objectives:**

- ❖ **Sustainability:** The primary objective is to introduce sustainable practices in plates manufacturing, focusing on environmentally friendly materials and processes.
- ❖ **Community Empowerment:** By establishing a local industry, the project aims to empower the community of Singaluru by providing employment opportunities and fostering economic growth.
- ❖ **Environmental Impact:** This project endeavors to reduce the ecological footprint by promoting the use of biodegradable and locally sourced materials for plate production.

### **Approaches:**

- ❖ **Initial Assessment:** The project kicked off with a thorough assessment of the socio-economic conditions of Singaluru, identifying the community's needs, skills, and potential for sustainable projects.
- ❖ **Workshops on Sustainable Practices:** Workshops were conducted to educate community members on sustainable material sourcing, collection, and the fundamentals of eco-friendly plate manufacturing.
- ❖ **Hands On Training:** The community actively participated in hands-on training sessions to learn plate shaping and basic manufacturing techniques, ensuring practical skill development.
- ❖ **Community Engagements:** To increase awareness and promote community involvement, various engagement events were organized, fostering a sense of

ownership and pride in the project.

### **Achievements:**

- ❖ **Establishment of Local Industry:** The mini-project successfully laid the foundation for a local industry dedicated to the production of eco-friendly eating plates.
- ❖ **Community Skill Enhancement:** By providing hands-on training, community members enhanced their skills, creating opportunities for employment and entrepreneurship.
- ❖ **Environmental Contribution:** The project contributed to the reduction of environmental impact by promoting sustainable materials, fostering a greener and healthier community.

### **Challenges And Recommendations:**

- ❖ **Logistics and sourcing:** Challenges in material sourcing were addressed through community collaboration and targeted education. Ongoing efforts will focus on continuous improvement.
- ❖ **Skill Development:** Challenges in skill development were overcome through additional training sessions, emphasizing the need for ongoing education.

### **Conclusion:**

The Mini-Project on Handmade Eco-friendly Eating Plates in Singaluru is not merely a manufacturing initiative; it is a transformative journey that marries traditional craftsmanship with contemporary sustainability. As Singaluru takes steps towards becoming a hub for eco-conscious practices, this project stands as a beacon of community-driven change, where each plate carries a story of empowerment, environmental stewardship, and a shared commitment to a brighter, greener future.

## Student Self-Evaluation for the Community Service Project

Student Name:

Registration No:

Period of CSP: From: To:

Date of Evaluation:

Name of the Person in-charge:

Address with mobile number:

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

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

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

Date:

Signature of the Student

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

Student Name:

Registration No:

Period of CSP: From: To:

Date of Evaluation:

Name of the Person in-charge:

Address with mobile number:

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

**Please note that your evaluation shall be done independent of the**

**Student's self-evaluation Rating Scale: 1 is lowest and 5 is highest**

**rank**

1) Oral communication	1	2	3	4	5
2) Written communication	1	2	3	4	5
3) Proactiveness	1	2	3	4	5
4) Interaction ability with community	1	2	3	4	5
5) Positive Attitude	1	2	3	4	5
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12) Time Management	1	2	3	4	5
13) Understanding the Community	1	2	3	4	5
14) Achievement of Desired Outcomes	1	2	3	4	5
15) OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Supervisor

## PHOTOS AND VIDEO LINKS





