

**COMMUNITY SERVICE PROJECT
ON
KONDAPALLI VILLAGE PROFILE**

A project report submitted in the partial fulfillment of

Requirements for the award of the Degree of

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

Name of the Student: **Damerla Navya**

Registration Number: **20501A0535**

Name of the College: **Prasad V. Potluri Siddhartha Institute of Technology**

Period of CSP: **6 weeks**

From: **31. Oct. 2022**

To: **10. Dec. 2022**

**Under the Esteemed Guidance of
Dr. B. Lakshmi Ramani M.Tech., Ph.D.
Assistant Professor,
Department of CSE**



Department of Computer Science and Engineering

PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

(Permanently affiliated to JNTU: Kakinada, Approved by AICTE)

(An NBA &NAAC A+ accredited and ISO 9001:2015 certified Institution)

**Kanuru, Vijayawada -520007
2022-2023**

Certificate from Official of the Community

This is to certify that the community service project entitled "**WASTE MANAGEMENT & DONATION**" is submitted by "**Damerla Navya (20501A0535)**", Department of Computer Science and Engineering, Prasad V. Potluri Siddhartha Institute of Technology underwent community service in Kondapalli from 31. October. 2022 to 10. December. 2022.

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


P. Dr. A. D.
COMMISSIONER
KONDAPALLI MUNICIPALITY
Authorised Signatory Date 21/12/2022

17/12/2022
C.I.

PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

Autonomous & Permanent Affiliation to JNTUK-Kakinada, AICTE approved

An NBA & NAAC accredited and ISO 9001:2015 Certified Institution

KANURU, VIJAYAWADA – 520007

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the community service project entitled "**WASTE MANAGEMENT & DONATION**" is submitted by "Damerla Navya (20501A0535)", III B.Tech Ist Semester in partial fulfillment of the requirement for the award of **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE AND ENGINEERING** From 31.Oct.2022 To 10.Dec.2022 (6 Weeks) in the academic year 2022-2023.

Submitted on: 15-12-2022

Signature of the Guide

DR B. Lakshmi Ramani,

Assistant Professor,

Dept. of CSE, PVPSIT.

Signature of the HOD,

Dr. A. Jayalakshmi,

Professor & HOD,

Dept. of CSE, PVPSIT.

HEAD

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PRASAD V.POTLURI

SIDDHARTHA INSTITUTE OF TECHNOLOGY

KANURU,VIJAYAWADA-520007.

Student's Declaration

I, Damerla Navya, a student of B.Tech Program, Reg. No. 20501A0535 of the Department of Computer Science and Engineering, Prasad V. Potluri Siddhartha Institute of Technology do hereby declare that I have completed the mandatory community service from 31. Oct. 2022 to 10. Dec. 2022 in Kondapalli under the guidance of DR B. Lakshmi Ramani, Assistant Professor Department of Computer Science and Engineering, PVPSIT.

D. Navya
(Signature and Date)
15/12/2022

Acknowledgement

I would like to thank the **Government of Andhra Pradesh** and **JNTUK Kakinada** for their support and initiation of community service project.

I would like to thank the **Mr. P. SRIDHAR (KONDAPALLI Municipal Commissioner)** for providing a great support for me in completing my community service project.

I would like to take this opportunity to thank our beloved Principal, **Dr. K. Sivaji Babu**, for providing a great support for me in completing my project and for giving me the opportunity of doing the project.

At the same time, I feel elated to thank our Professor and Head of the Department, **Dr. A. Jayalakshmi**, and for inspiring me all the way and arranging all the facilities and resources needed for the project.

I am also thankful for my project In charge **Y.Ayyappa**, Assistant Professor, Computer Science & Engineering, for their constant encouragement and valuable support throughout the course of the project.

It is with the immense pleasure that i would like to express my indebted gratitude to my guide **DR B. Lakshmi Ramani, Assistant Professor**, Computer Science & Engineering, who has guided me a lot and encouraged me in every step of the project work. Her support throughout the project helped me to complete the project within the time.

I am very much grateful to all the staff and faculty of Department of CSE for their cooperation during the course of this project work. Finally, I would like to express my sincere thanks to each and every one of my college, who have contributed their help and guidance for the successful completion of this project.

Project Associate

D.Navya

20501A0535

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CHAPTER 1: EXECUTIVE SUMMARY

The community service report shall have only a one-page executive summary. It shall include a brief description of the Community and summary of all the activities done by the student in CSP and five or more learning objectives and outcomes.

Kondapalli is a Village in Ibrahimpatnam Mandal in Krishna District of Andhra Pradesh State, India. It belongs to Andhra region . It is located 93 KM towards west from District head quarters Machilipatnam. 5 KM from Ibrahimpatnam. 274 KM from State capital Hyderabad.Kondapalli, in Andhra Pradesh, is famous world over for its exquisite wooden toys – each one carefully created by master craftsmen. The fort that lies just a stone's throw from Kondapalli village. Kondapalli Fort, also called Kondapalli Kota or Kondapalli Killa, dates back to the 13th century and boasts of a rich history.

Some of the places that can be concentrated are:

- Kondapalli Fort
- Dr Narla Tata Rao Thermal Power Station
- Shirdi Sai Baba Temple

I visited the areas and collected information interacting with people about their life conditions. In this project I tried to have a proper waste management that can result in the availability of valuable materials to reuse. This can save money while potentially creating new jobs and business opportunities. Reducing, reusing and recycling your waste is important for the environment, but it can also be profitable for the needy people.

After gathering the information, I created a website that can help people know the socio-economic conditions of Kondapalli. I learnt the application of Web technologies like HTML, CSS, JAVASCRIPT, BOOTSTRAP. This project helped me in learning new technologies and helped me in developing knowledge.

OBJECTIVES & OUTCOMES :

- To Raise Awareness, Education and Promotion.
- To Encourage donations and sign-ups.
- To Promote volunteering.
- To Engage and inspire people to make difference.
- To Maintain relationship with donators.

CHAPTER 2: OVERVIEW OF THE COMMUNITY

About the Community/Village/Habitation including historical profile of the community / habitation, community diversity, traditions, ethics and values.Brief note on Socio-Economic conditions of the Community/Habitation.

Kondapalli is a industrial and residential hub located in western part of Vijayawada in the Indian state of Andhra Pradesh. It is a municipality in Ibrahimpatnam mandal in Vijayawada revenue division of NTR district. It is closest to Ibrahimpatnam at a distance of 5 km. Dr Narla Tata Rao Thermal Power Station, one of the major Thermal Power stations of the state is located in between Ibrahimpatnam and Kondapalli. It is home for many industries like Andhra Pradesh Heavy Machinery & Engineering Limited (APHMEL), BPCL, HPCL, IOC, Reliance Industries, Lanco Infratech are located here. Kondapalli Toys are very famous in the state. Kondapalli Fort also known as Kondapalli Kota is located towards west of kondapalli. There is a proposal to merge this place into Vijayawada Municipal Corporation (VMC) to form a Greater Vijayawada Municipal Corporation.

The village is known for Kondapalli Toys . The toys are chiselled from local light softwoods (*Tella Poniki*) and painted with vegetable dyes, and vibrant enamel colours. They are made by local wooden and lay artisans. The most popular toys include *Dasavatarams* (ten incarnations of Lord Vishnu) elephants with Ambari, palanquin-bearers carrying the bride and bridegroom, set of village craftsmen, as well as various animals. The papier mache swinging doll is a favourite with many. Kondapalli is an industrial suburb of Vijayawada.



It has one of the largest industrial estates (industrial parks) in Andhra Pradesh, spread over 450 acres (1.8 km^2) and supporting over 800 industrial enterprises. Second largest wagon workshop Indian

Railways is present in Rayanapadu (Guntupalli) about 3 km (1.9 mi) from Kondapalli. In addition to a 1760 MW Dr Narla Tata Rao Thermal Power Station (NTTPs) and 368.144 MW gas based Lanco power plant which is under expansion to 768.144 MW are located here. Andhra Pradesh Heavy Machinery & Engineering Limited (APHMEL) factory is present in Kondapalli. Kondapalli is hub for storage, bottling and transportation of petroleum products of all major companies.

Kondapalli Fort, also locally known as Kondapalli Kota, lies to the west of Kondapalli. This historical fort also known as Kondapalli Quilla was built by Prolaya Vema Reddy during the 14th century CE. It was initially built as a leisure place and business center and later served as a military training base for the British rulers. According to some other historians it was built in 1360 CE by Anna Vema Reddy after he captured Kondapalli from Mudigonda Chalukyas, the fort has been home to several dynasties, from the Reddi rulers to the Nizam Nawabs, and then the East India Company.

CHAPTER 3: COMMUNITY SERVICE PART

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

Initially we focused on a common goal of developing the ideas to provide some helpful service to the community. At the beginning of this stage, all members of the group were getting together regularly and were constructing and expanding ideas for the project as well as for the presentation. There were many ideas from the group at the outset of the project, however, there was no real development of these ideas. And finally, we got an idea for our project, to reduce wastage by reusing them and giving to people who need it. We broke complex tasks into parts and steps, planned and managed time to do the project. We developed stronger communication skills. We developed accountability towards our work and voice and perspectives in relation to peers

A feeling of social conscience was the most widely-cited reason to give to charity. We felt a moral duty to use what we had to help others – a sentiment very much rooted in our personal values and principles. Aid provides those living in extreme poverty with the essential resources necessary to attain a better standard of living. While working on this project our knowledge on Web Technologies increased a lot.

ACTIVITY LOG FOR THE FIRST WEEK

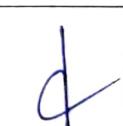
| Day & Date | Brief description of the daily activity | Learning Outcome | Person In-charge Signature |
|-----------------------|---|--|---|
| Day – 1 31.10.2022 | Selecting the topic for Community Service Project. | Decided to do on the topic “WASTAGE MANAGEMENT & DONATION”. |  |
| Day – 2 01.11.2022 | selected a village to complete the project. | After considering various opinions and finally decided to select “KONDAPALLI” for the project. |  |
| Day – 3 02.11.2022 | I discussed about the reasons and some information about wastage. | Gathered the information about wastage areas. |  |
| Day – 4 03.11.2022 | Surveying people about their thoughts on food wastage. | I Came to know their views. |  |
| Day – 5 04.11.2022 | I visited the nearby Restaurants and Hotels to find out about their food wastage. | Gathered the information successfully. |  |
| Day – 6 05.11.2022 | Explained various project themes to our faculty. | Acquired permission for the project from the faculty after explaining the themes of the project ideas. |  |

WEEKLY REPORT

WEEK – 1 (From Dt - 31.Oct.2022 to Dt - 05.Nov.2022)

| | |
|--|---------------------------------|
| Objective of the Activity Done: | RESTAURANTS & HOTELS |
| Detailed Report: <p>I decided to do Project on “Waste Management & Donation”. I discussed about the reasons and some information about food wastage and make sure to select the village to perform the project and finally decided it as Kondapalli. I gathered information about food wastage and even surveyed people about their thoughts on wastage sources that are being generated in the community. To make the project better and more sensible, I even visited the hotels which is located near my community and interacted with people. Finally, got to know about their food wastage. On Final day of the week, I explained various project themes to our Faculty. Visited near Hotels and Restaurants and observing the excess food that has been generated during the daily basis and gathered information about what they are doing with the left over food everyday by Collecting about the information regarding.</p> | |

ACTIVITY LOG FOR THE SECOND WEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In-Charge Signature |
|-----------------------|--|--|---|
| Day – 1 07.11.2022 | Permission to do project in the village. | Permission is taken from the village Municipal Commissioner by sharing my views on project |  |
| Day – 2 08.11.2022 | Visited near by orphanage and observed and interacted with people. | Gathered the information needs of the orphanage. |  |
| Day – 3 09.11.2022 | Discussed among ourselves to even include some other basic needs along with food. | Decided to add some more needs in our project. |  |
| Day – 4 10.11.2022 | Surveyed and researched about other waste that can be reused like old clothes, footwear, electronic gadgets etc. | Gathered the information on all the different types of wastages. |  |
| Day – 5 11.11.2022 | Prepared the Paper work required for the project. | Paper work is done. |  |
| Day – 6 12.11.2022 | Continued on Report making. | Report is made. |  |

WEEKLY REPORT

WEEK – 2 (From Dt - 07.Nov.2022 to Dt - 12.Nov.2022)

| | |
|--|---------------------------|
| Objective of the Activity Done: | Orphanage Visiting |
| Detailed Report: I went to Municipal Commissioner and explain the purpose of visit and share our views and thoughts about the project and asked for the cooperation to complete the project. Later, I visited an Orphanage which is near by to our community, interacted with the people there, observed their Lifestyle and got to know how they are being struggling with lack of proper nutritious food and other necessities that required to live. Then I decided to even include some other basic needs along with food. There can be many other factors that are related with each other in order to live happily with proper health. Then I surveyed and researched about other waste that can be reused which can be made to donate for the people who are really in need of those like old clothes, footwear, electronic gadgets etc. I discussed our ideas to implement, gathered the best ideas and did some paper work on it. | |

ACTIVITY LOG FOR THE THIRD WEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In-charge Signature |
|-----------------------|--|---|---|
| Day – 1 14.11.2022 | The template is selected according to my topic. | I learned how to select the template according to my data. |  |
| Day – 2 15.11.2022 | I decided to divide the web page into different sections. | Known to collect the information for that particular section. |  |
| Day – 3 16.11.2022 | I collected information about Key points and some photos to be remembered before starting Waste Management and Donation project. | I Got to know various important points. |  |
| Day – 4 17.11.2022 | I created a Home section using HTML. | I learnt how to get structure using HTML. |  |
| Day – 5 18.11.2022 | I included some photos and added beautification by using CSS in the home section. | I learnt beautification of images using CSS |  |
| Day – 6 19.11.2022 | Updating the documentation part | Completed 3rd week documentation |  |

WEEKLY REPORT

WEEK – 3 (From Dt - 14.Nov.2022 to Dt - 19.Nov.2022)

| | |
|---|--------------------------|
| Objective of the Activity Done: | Website Designing |
| Detailed Report: In this week, based on the information I gathered by visiting Restaurants, hotels and the situation about the people in orphanages and along roadside. I and started to doing a html page to create a website. Then I gone through the information and the Key points to be remembered before staring the project on Waste Management & Donation. I continued with the html code in building the website and did some modifications in the website to make it look better. Then I worked on the website construction by analyzing the information that I had and created the home section of the website and adding the quotes and images to the Home Section. I continued the code and updated the documentation. | |

ACTIVITY LOG FOR THE FORTH WEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In-Charge Signature |
|-----------------------|--|---|---|
| Day – 1 21.11.2022 | I created a button named as "Donate now" Which will navigate to the contact section. | I learnt how to navigate from one section to another section. |  |
| Day – 2 22.11.2022 | I searched images for different sections. | Known to collect the information for that particular section. |  |
| Day – 3 23.11.2022 | I created a "Donation section" using HTML and CSS. | Learned more CSS properties. |  |
| Day – 4 24.11.2022 | I discussed about the transport of products being donated with my team members. | I decided to take help of volunteers to deliver the product |  |
| Day – 5 25.11.2022 | I places images in the "Donation section" and decided to make the images hover | Learned how to hover the images |  |
| Day – 6 26.11.2022 | Continued on CSS part and updated documentation | Completed 4 th week documentation |  |

WEEKLY REPORT

WEEK – 4 (From Dt - 21.Nov.2022 to Dt - 26.Nov.2022)

| | |
|---|---|
| Objective of the Activity Done: | Adding Donation Section to Website |
| Detailed Report: | |
| <p>In this week I linked CSS style sheet file to the HTML code. Now not only the structure But even beautification is done to the website. We even started to work on the JavaScript code and linked that in the HTML code. Later we discussed about the transportation of products that are being donated it the people. Initially, was no good of idea. And after having a lot of discussion we concluded to take help of volunteers to deliver the Product.</p> <p>In this week I created a button named as “Donate now” which will navigate to the contact section. Then I started working on Donation section. For the donation section I collected some images. I placed the images in donation section and these images represent the items that I want to donate such as clothes, food, foot ware, fund, stationary, gadgets etc. I created a button on the images and the button is navigated to the contact section. And I discussed about the transport of products being donated and I decided to take help of volunteers to deliver the product</p> <p>Later we continued developing HTML and CSS and updated the documentation of Week 4.</p> | |

ACTIVITY LOG FOR THE FIFTH WEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In-Charge Signature |
|-----------------------|---|---|---|
| Day – 1 28.11.2022 | Briefly Explained project idea to the people of Orphanages and Old age homes asked if this could help them, then made a note of improvisations. | Prepared the list of improvisations. |  |
| Day – 2 29.11.2022 | I created a “Missions section” using HTML and CSS. | Learned more CSS properties. |  |
| Day – 3 30.11.2022 | I added some images and decided to hover the images. | Learned how to adjust dimensions of image and view the image by clicking on it. |  |
| Day – 4 01.12.2022 | I created “About section” using HTML and CSS. | Learned different ways to develop sections. |  |
| Day – 5 02.12.2022 | I placed some information about “What we Do and Why we do?” | I learnt heading and paragraph tags and learned ways to change the font size and style. |  |
| Day –6 03.12.2022 | Included image in About section. | I learned how to adjust the dimensions using the CSS |  |

WEEKLY REPORT

WEEK – 5 (From Dt - 28.Nov.2022 to Dt - 03.Dec.2022)

| | |
|--|--|
| Objective of the Activity Done: | Adding Missions and About Section to website. |
|--|--|

| |
|-------------------------|
| Detailed Report: |
|-------------------------|

In this week I briefly explained the project idea to the people in Orphanages and Old age homes and asked if that could help them, then made a note of improvisations provided. Depending of the improvisations that I noted I again started to work on the web page. Then I started to give finishing touches to the cover page and made. The website more beautiful by developing CSS part of code. Then I worked on adding a link section to the website so donors can fill details. Later I checked if our website is properly functioning or not and updated the documentation.

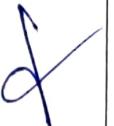
I created a “Missions section” using HTML and CSS. In this section I placed the images selected earlier. I used CSS so that the images can be viewed when they are hovered. Then i started working on the “about section” and gave information about “What we Do and Why we do?”

In this section we included information about:

- 1.Help a stranger and make their day.
- 2.Teach your kids about giving.
- 3.Donate blankets, gloves, coats etc.
4. Be a booble hat hero.

And finally I added a image.

ACTIVITY LOG FOR THE SIXTH WEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In-Charge Signature |
|-----------------------|---|---|---|
| Day – 1 05.12.2022 | I created “Contact section” using HTML and CSS. | I learnt more about HTML and CSS. |  |
| Day – 2 06.12.2022 | I created a donation form so that people can donate. | I learnt how to use forms using HTML and CSS. |  |
| Day – 3 07.12.2022 | I created a option list so that they can choose what they want to donate. | I learnt about option tag in select list. |  |
| Day – 4 08.12.2022 | I included my details at the bottom of the webpage. | I learnt more about div tag. |  |
| Day – 5 09.12.2022 | I linked my social media accounts. | I learnt about href . |  |
| Day –6 10.12.2022 | I checked the complete project and summarizing them. | My project is ready with the Web page and documentation part. |  |

WEEKLY REPORT

WEEK – 6 (From Dt - 05.Dec.2022 to Dt - 10.Dec.2022)

| Objective of the Activity Done: | Project Completion and Documentation |
|--|---|
| Detailed Report: I added the “Contact section” to the webpage and created a contact form so that people can their Name, Address, Phone number, Message and submit their details who willing to donate in order to help the children and the poor people who are living in rural areas, Orphanages and old age homes. Then I included my details such as Address, Name ,Mail and the social media Id's so that they can contact me. I checked my complete project once again and completed the documentation. | |

CHAPTER 5: OUTCOMES DESCRIPTION

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

Q. What are the rules and regulations guiding waste management in your area?

Q. What are the common methods of waste disposal?

Q. Which waste management processes are used in your village / town / city?

Q. We value accountability at Waste Management. If a customer sent a formal complaint about an interaction with you, how would you handle it?

Q. In your point of view, what environmental issue will require the most attention in ten years?

Q. What is the TYPICAL WASTE REMOVAL SCHEDULE in your area?

Q. Do you offer any SUSTAINABLE WASTE REMOVAL SERVICES?

Q. Where does the waste go?

Q. How can we train the people to reduce food wastage and increase food donation?

Q. Are you donating any used clothes ,foot wear and waste food as charity?

Q. What are the common barriers to implement waste management in your area?

Describe the problems you have identified in the community

Wastage at Restaurants: The nature of their work, hotels and restaurants are bound to generate considerable amounts of food waste. Food waste can arise at various stages of hotel and restaurant operations. Activities relating to handling and preparation of food materials can cause food waste due to such reasons as unidentified demand, overstocking, inefficient production, poor communication, staff behaviour, unskilled trimming, over-merchandising, expires among other causes.

After the food is consumed, waste may also arise due to large portion sizes ordered, inefficient service methods, and consumer menu acceptance. The types of waste generated in hotels and restaurants vary according to the types of food materials used. Examples include egg shells, potato and fruit peelings, bones, food leftovers, and packaging materials.

Old and Unsold clothes from Shops, Malls etc as they are being unused for a long time being wasted could serve the poor people who do not proper protection to cover their body. Global clothing production has been doubled over the last decade. The average lifetime of a garment product is approximately 3 years. The average person buys 50% more items of clothing every year and keeps them for about half as long as 15 years ago which generating a huge amount of textile waste.

The people in present generation are being to go with the trend and manufacturers are also designing the clothes in such a manner that is being sold very fast. Due to this the mass production and frequent buying of clothes can become the waste before they become torn or fade.

Old and Torn Footwear Now a days youth are addicted to fashionwear. When they buy new ones, if the old footwear were damaged or become shorten, they just dump them as the waste, which is creating a lot of wastage.

Short-term and long-term action plan for possible solutions for the problems identified and that could be recommended to the concerned authorities for implementation.

Solutions to the Problems:

Short term Solution for the waste management is following the 3R principle which is reduce, reuse and recycle. As different types of wastes are produced day by day we in person can minimize it to some extent by following 3R principle. Reuse is another concept of waste management in which the product instead of being disposed of should be reused in a more creative way. Waste management also means using a product till it completely becomes unusable to avoid excess waste disposal. Recycle is the concept of converting the waste into the raw material so that they can be used again for the manufacturing process.

This method of waste management will reduce the cost of production, pollution and will be of better quality. Production of unwanted materials should be reduced to help in creating a better waste management hierarchy. We humans should be more careful in using and disposing of products after its use. Feed People, Not Landfills – Instead of feeding landfills, we should be feeding people in our communities. You can donate a variety of foods to many different types of organizations. Contact Feeding America or your local food rescue organizations for information about where you can donate and what types of food your local organization is able to accept.

Our long term solution is By donating your unwanted clothes to charity, you're not only helping the environment, you're also supporting brilliant causes. In fact, donated clothing is one of the biggest sources of funds raised by charities. The best part is that you can choose which charity you want to give that coat, dress or top to. Donating clothes and other home goods ensures that you're keeping your home clutter-free. Rather than having all those clothes in your closet that you never wear, donating gets rid of them and gives your home the space it needs to breathe!

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

Effective communication between waste management organisations and citizens is essential to the efficient operation of waste management services. Citizens need to know what services are available to them, and the schedule and requirements of that service, in order for those services to be efficiently used. Citizens are also more likely to undertake waste sorting and recycling activities if they know what happens to waste that is sent for recycling, and the associated environmental benefits.

An effective way to improve attitudes towards waste reuse and recycling is to integrate waste management education into school curriculum and particularly teaching children about the causes and consequences of waste disposal and highlighting the importance of waste prevention, reuse and recycling. Local authorities and/or waste management organisations can facilitate this by undertaking outreach activities, sending representatives to local schools or inviting schoolchildren to facility tours or open days, etc.

Best practice in awareness-raising is to effectively encourage waste prevention, reuse and recycling behaviour within the waste collection catchment area. Ultimately, this should translate into improved performance across key waste generation and separation indicators. Particular emphasis is placed on reaching all stakeholders, including non-native speakers via multilingual or pictorial communication ad via school activities. Best practices for awareness-raising campaigns need to:

- ensure continuity, consistency, complementarity and clarity of all communications with well-defined aims and objectives;
- create clear messages appropriate to, and directed at, well-defined target audiences;
- ensure efficient delivery through the integration of activities and clear lines of responsibility.

Well designed and developed awareness campaigns may contribute to the overcome of the two main barriers to recycling; the lack of knowledge where information about proper waste segregation is communicated to the citizens and changing attitudes and perceptions and keep people motivated to avoid and sort waste.

The awareness campaigns for citizens can be delivered directly by the waste management organisation, by professional agencies on their behalf, or by partner organisations (including stakeholders in other sectors). A whole range of communication channels can be used, which can include advertising, public relations, direct marketing, community engagement, online engagement, social media and product labelling.

COMMUNITY AWARENESS PROGRAMMES :

- **Wear It**

Clothing and accessories such as t-shirts, caps, rubber or silicone wristbands, and button pins are among the most common items you can use to display your support for a cause. Bright colors are effective in catching one's attention, as do bold, solid fonts. If you're planning to make your own merchandise, try going for a balance of witty and daring statements to tickle the imagination.

- **Raise Funds**

You can organize bake sales or garage sales, mini concerts, or a fun run, or start a crowdfunding campaign. There are so many options for raising funds these days; all you need is the right motivation and a little creativity.

- **Donate**

Do you feel like you don't have the necessary skills to conduct a fundraising activity? Don't worry – you can always choose to donate. Some organizations give you the option of making a one-time donation or contributing a specific amount of money for a number of months. And don't think that donations are limited to cash – you can donate stocks, vehicles, ingredients (for soup kitchens, for example), clothes, and more. Check with the organization on the types of donations they accept.

- **Volunteer and Participate**

If you have the time, volunteer for your cause or participate in events. You can join medical missions in and out of your city or state, for example, or purchase items from your non-profit during a bazaar. Sign up as part of the organizing committee if you feel like you can't helm an event on your own.

- **Talk About It Online**

Social media is a powerful tool for spreading awareness. You can easily find like-minded individuals through forums, Facebook groups, and Twitter hashtags, to name a few, and start a healthy conversation with them. You can even connect with people from overseas to create an even wider network of advocates.

Tech developments also allow people to discuss ideas and information on different platforms. You can host a live video Q&A, conduct surveys, and create different materials like animated GIFs to further grab your audience's attention and let them know more about your cause.

- **Research**

A well-informed advocate is the best kind. You can answer questions from interested parties, debunk myths from naysayers, and further educate your fellow supporters. A wealth of information is available both online and offline. Just remember to verify the credibility of your sources so that you're always equipped with the correct information.

- **Recruit**

Like-minded persons in your social circle may be interested in forming or joining a group that supports your cause. You can talk to them and keep them informed of the activities and campaigns where they can help out.

You can also discuss your advocacies with friends and family members so that they can understand it better. The more people who know about and support your cause, the more it's going to grow and be able to further its mission. You can even use your online network to reach and inform even more people

- **Start a Social Media Campaign**

For the playful, creative types – why not start a campaign that grows through engagement? Remember the ALS Ice Bucket Challenge? Take inspiration from this viral campaign that's as informative as it is fun. This particular campaign has been effective not only in raising awareness but also in generating funds for ALS research.

It doesn't have to be as far-reaching, but it should be relevant to your cause. You can't start an awareness campaign by focusing on just the fun part and forgetting about what your cause is really about.

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

A mini-project work in the related subject w.r.t the habitation/village. (For ex., a student of Botany may do a project on Organic Farming or Horticulture or usage of biofertilizers or biopesticides or effect of the inorganic pesticides, etc. A student of Zoology may do a project on Aquaculture practices or animal husbandry or poultry or health and hygiene or Blood group analysis or survey on the Hypertension or survey on the prevalence of diabetes, etc.

Kondapalli-Village Profile Report

Kondapalli is a industrial and residential hub located in western part of Vijayawada in the Indian state of Andhra Pradesh. It is a municipality in Ibrahimpatnam mandal in Vijayawada revenue division of NTR district. It is closest to Ibrahimpatnam at a distance of 5 km. Dr Narla Tata Rao Thermal Power Station, one of the major Thermal Power stations of the state is located in between Ibrahimpatnam and Kondapalli.

It is home for many industries like Andhra Pradesh Heavy Machinery & Engineering Limited (APHMEL), BPCL, HPCL, IOC, Reliance Industries, Lanco Infratech are located here. Kondapalli Toys are very famous in the state. Kondapalli Fort also known as Kondapalli Kota is located towards west of kondapalli.

There is a proposal to merge this place into Vijayawada Municipal Corporation (VMC) to form a Greater Vijayawada Municipal Corporation.

List of week studies:

1. Orphanages
2. Streets
3. Old age homes



Fig. 5.1: Old Age Home

These days, in highly populated countries like India, food wastage is a big issue. A lot of food is thrown away in garbage bins, streets, and landfills have proof to prove it.

Marriages, canteen, restaurants, social and family get-together and functions expel out so much of food. Food wastage is not only an indication of pollution or hunger, but also of many economic problems. Instead of wasting food we can put them in use by donating them to various organizations such as orphanages, old age home, NGOs, etc. participants to ensure the delivery.

Waste collection is the basis for all subsequent managerial measures and treatment technologies. The early stages we hope to envisage comprise the establishment of a basic regulatory framework, of collection schemes, and of appropriate treatment and disposal facilities to prevent further damage to the environment. Training of operators and staff is a key element in this context. Local operators and authorities can definitely benefit considerably from international support and the transfer of know-how, so that they can run at least basic collection and recycling operations, landfills or compost plants in the best possible way under the given circumstances.



Fig. 5.2: People on Streets



Fig. 5.3: Children

There are several ways to encourage citizens to take action in waste management, most importantly segregating the waste at source and recycling. Contributions of individual citizens can be increased by raising public awareness. For example, public information programs can improve the social participation of households, individuals, just as maintainers of **the waste collection system** and **proper disposal of waste**.

Another action that can be taken is increasing citizens' willingness towards **the three R's rule**: Reduce, Reuse, Recycle waste management. Even though raising awareness is a great point to start, it isn't enough. Citizens need to see how they can contribute and how easy and effective their efforts would be with recycling and reducing waste. For example, **the zero-waste movement**, which is based on preventing waste generation and a minimal lifestyle, continues to inspire many citizens to handle growing waste problems with recycling and environmentally friendly consumption

CHAPTER 6: RECOMMENDATIONS AND CONCLUSIONS OF THE MINIPROJECT

Life in rural areas is thought to be slower-paced, resulting in lower levels of anxiety and a greater sense of relaxation. For these and other reasons, rural residents exhibit better mental health on the average than do urban residents.

The nature of their work, hotels and restaurants are bound to generate considerable amounts of food waste. Food waste can arise at various stages of hotel and restaurant operations. Activities relating to handling and preparation of food materials can cause food waste due to such reasons as unidentified demand, overstocking, inefficient production, poor communication, staff behaviour, unskilled trimming, over-merchandising, expires among other causes.

Recycle is the concept of converting the waste into the raw material so that they can be used again for the manufacturing process. This method of waste management will reduce the cost of production, pollution and will be of better quality. Production of unwanted materials should be reduced to help in creating a better waste management hierarchy.

We humans should be more careful in using and disposing of products after its use. Feed People, Not Landfills – Instead of feeding landfills, we should be feeding people in our communities. You can donate a variety of foods to many different types of organizations. Contact Feeding America or your local food rescue organizations for information about where you can donate and what types of food your local organization is able to accept.

Education and awareness. Educating people, especially businessmen and employers, about the ill effects can help prevent child labor. Talk to them about the impact of child labor on children's mental and physical health and how it can affect their future. Also, inform them about the laws and their penalties.

In health facilities, water, energy, sanitation, hand hygiene, and waste disposal centers ought to all be practical, dependable, and safe. To provide for seclusion and facilitate the provision of quality services, the area must be planned, arranged, and maintained. Medicines, supplies, and equipment must all be sufficient supply at the facilities.

The generation of solid wastes is inevitable because all products have an end of life and humans and animals create wastes that have to be managed to maintain hygienic, healthy and tidy urban and open country environments.

Having a proper waste management can result in the availability of valuable materials to reuse. This can save money while potentially creating new jobs and business opportunities. Reducing, reusing and recycling your waste is important for the environment, but it can also be profitable for the needy people.

Student Self-Evaluation for the Community Service Project

Student Name: Damerla Navya

Registration No: 20501A0535

Period of CSP: From: 31-10-2022 to 10-12-2022

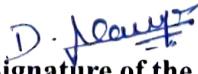
Date of Evaluation: 15-12-2022

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

Date: 15-12-2022


Signature of the Student

Student Name: Damerla Navya

Registration No: 20501A0535

Period of CSP: From: To: 31-10-2022 to 10-12-2022

Date of Evaluation: 15-12-2022

Name of the Person in-charge: Y. AYYAPPA

Address with mobile number: 9291444345

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

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

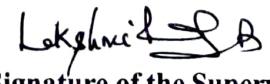
Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

| | | | | | | |
|----|------------------------------------|---|---|---|---|---|
| 1 | Oral communication | 1 | 2 | 3 | 4 | 5 |
| 2 | Written communication | 1 | 2 | 3 | 4 | 5 |
| 3 | Proactiveness | 1 | 2 | 3 | 4 | 5 |
| 4 | Interaction ability with community | 1 | 2 | 3 | 4 | 5 |
| 5 | Positive Attitude | 1 | 2 | 3 | 4 | 5 |
| 6 | Self-confidence | 1 | 2 | 3 | 4 | 5 |
| 7 | Ability to learn | 1 | 2 | 3 | 4 | 5 |
| 8 | Work Plan and organization | 1 | 2 | 3 | 4 | 5 |
| 9 | Professionalism | 1 | 2 | 3 | 4 | 5 |
| 10 | Creativity | 1 | 2 | 3 | 4 | 5 |
| 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: 15-12-2022


Signature of the Supervisor

PHOTOS & VIDEO LINKS

The screenshot shows a web browser window titled "Waste Management & Donation". The URL is 127.0.0.1:5500/index.html. The page has a dark header with the title "Waste Management & Donation" and a navigation bar with links to Home, Donations, Missions, About, and Contact. Below the header is a contact number: "Contact No.: +91 8985821675". On the right side of the header are social media icons for Facebook, Instagram, YouTube, LinkedIn, and Email. The main content area features two sections: "Think us Before you throw" and "We students of PVPSIT manage wastage and donate it for needy people". A paragraph explains the project's purpose: "The basic concept of this project entitled "Web based application for Waste Management And Donation" is to collect the excess/leftover various forms, including food, clothing, books,money, toys, etc, and distribute to the needy people through NGOs.This web-based application for waste". To the right of the text is a photograph of several children sitting on the ground, eating from a bowl.

Think us Before you throw

We **students of PVPSIT** manage wastage and donate it for needy people

The basic concept of this project entitled "Web based application for Waste Management And Donation" is to collect the excess/leftover various forms, including food, clothing, books,money, toys, etc, and distribute to the needy people through NGOs.This web-based application for waste



Fig. 6.1.1: Home Section

The screenshot shows a web browser window titled "Waste Management & Donation". The URL is 127.0.0.1:5500/index.html. The page has a dark header with the title "Waste Management & Donation" and a navigation bar with links to Home, Donations, Missions, About, and Contact. Below the header is a contact number: "Contact No.: +91 8985821675". On the right side of the header are social media icons for Facebook, Instagram, YouTube, LinkedIn, and Email. The main content area features a large paragraph explaining the project's purpose: "management can assist in collecting the leftover food, clothing, books,money, toys, from hotels,restaurants,marriage events, shopping malls, general stores, etc to distribute among those who are in need.NGOs,that are helping poor communities to battle against starvation and malnutrition, can raise a request for supply of excess/left-over food from restaurants through this application. In this way this web-based application for waste management and donation will help the donors to reduce wastage of food,clothing,etc, and help to the poor and needy people.". At the bottom left is a "Donate now" button. To the right of the text is a graphic titled "Helping Hands" showing multiple hands of different skin tones joined together in a circle.

Fig. 6.1.2: Home Section

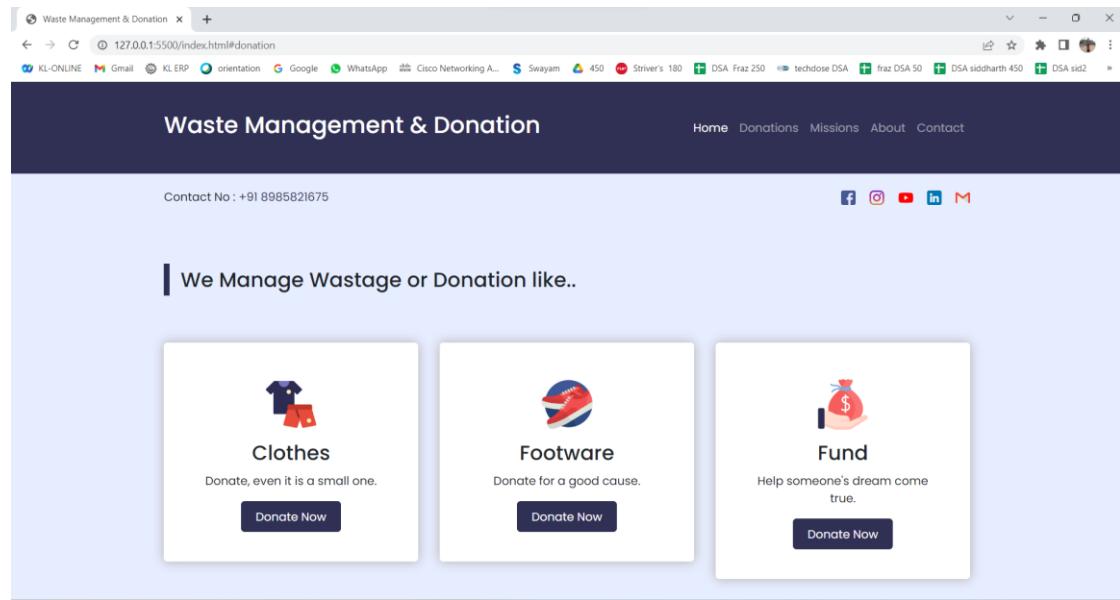


Fig. 6.2.1: Donations Section

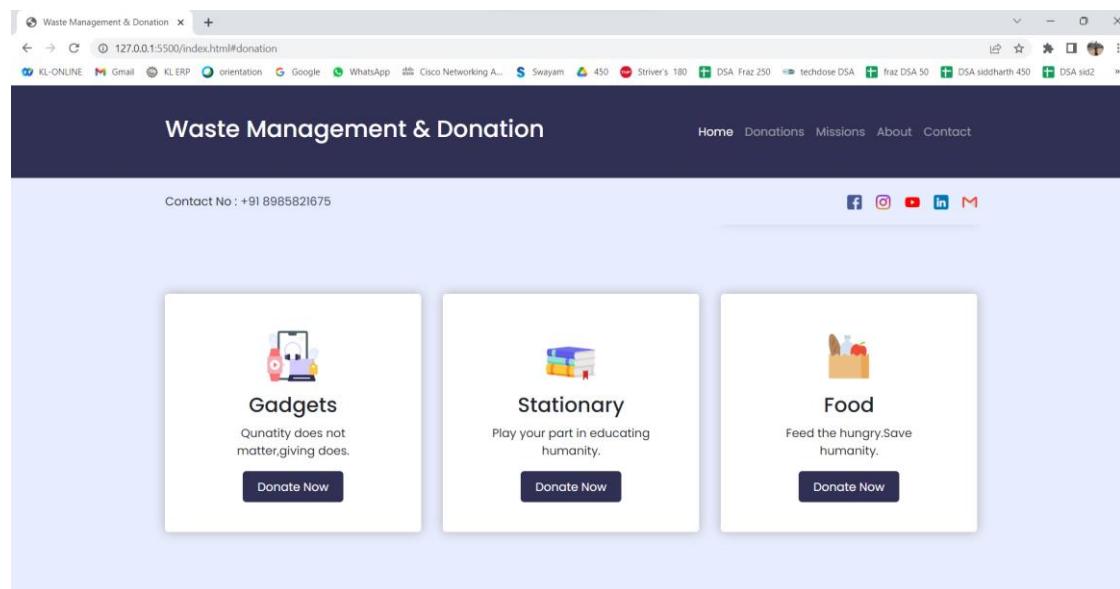


Fig. 6.2.2: Donations Section

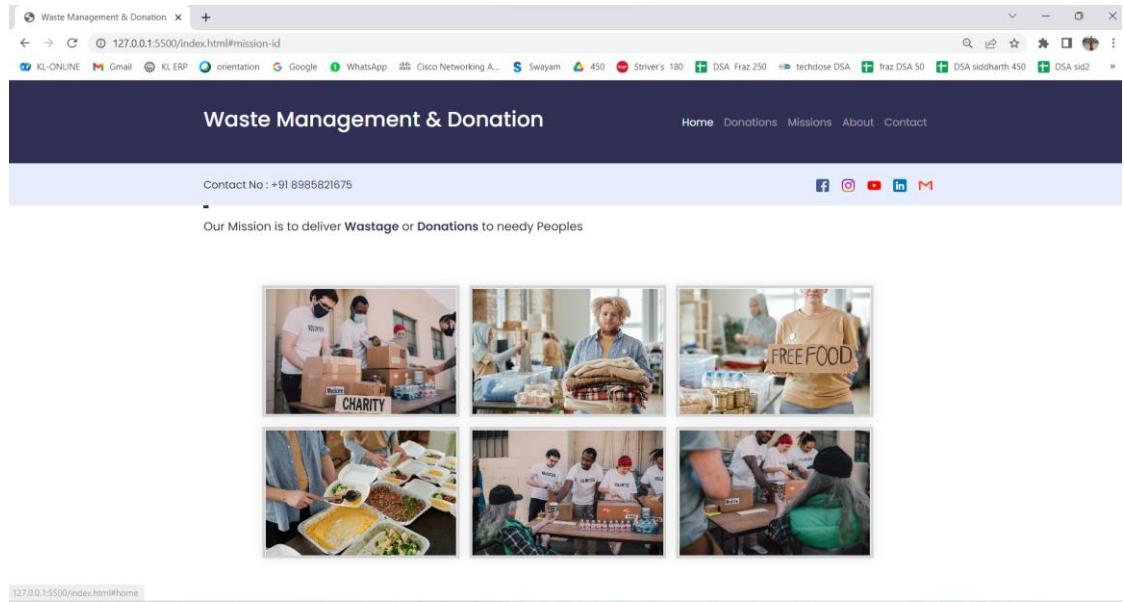


Fig. 6.3.1: Missions Section

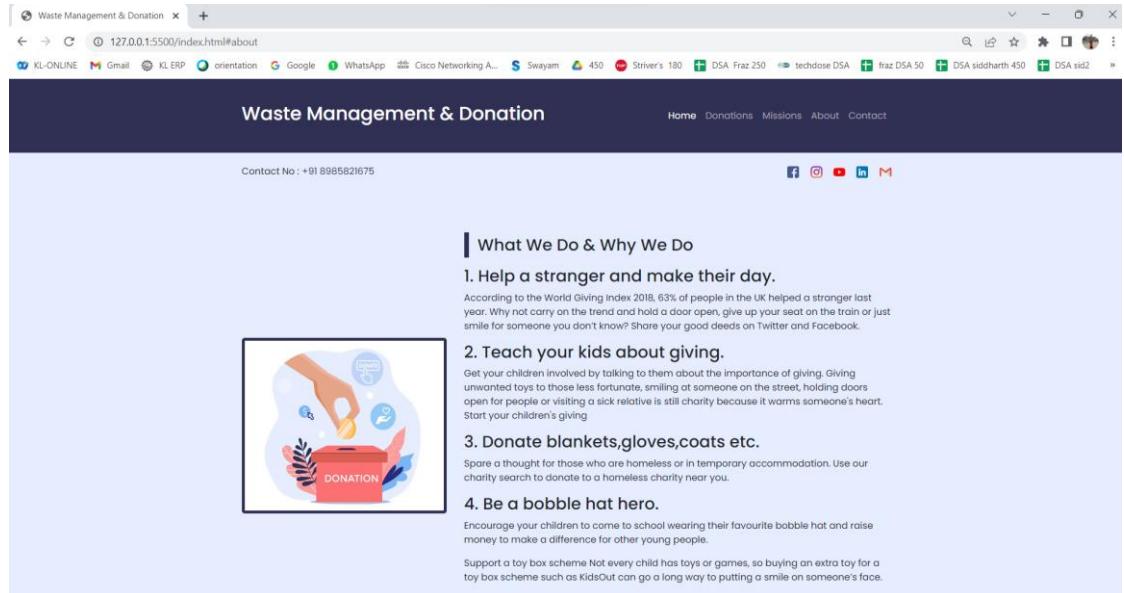


Fig. 6.4: About Section

The screenshot shows a web browser window with the title 'Waste Management & Donation'. The address bar displays '127.0.0.1:5500/index.html#contact'. The page header includes the website name and navigation links for Home, Donations, Missions, About, and Contact. A contact number '+91 8985821675' is listed. Below the header, a message encourages users to fill out the form to collect their donation or wastage. The form consists of several input fields: 'Your Name', 'Address', 'Mobile No.', 'Message', and a dropdown menu for 'Choose Donation or Wastage'. At the bottom is a 'Submit Details' button.

Fig. 6.5: Contact Section

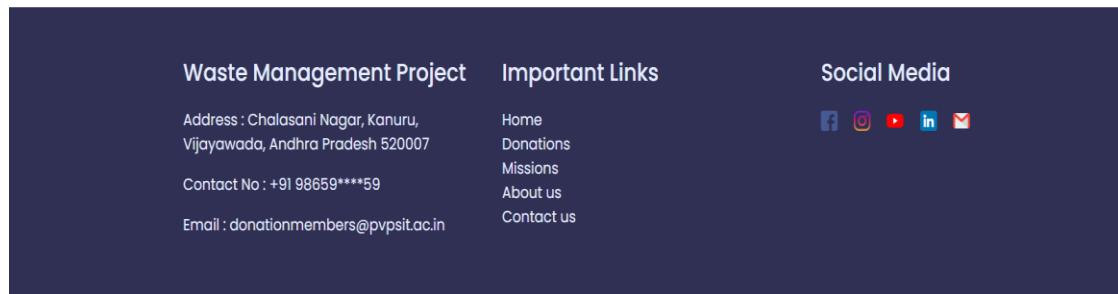


Fig. 6.6: Social Media