

Program Book

Community Service Project

By

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Department of Civil Engineering

JNTU-GV College of Engineering Vizianagaram

AP STATE COUNCIL OF HIGHER EDUCATION

A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH

Community Service Project

Name of the Student: **Ganji Priyatham**

Name of the College: **Jawaharlal Nehru Technological university,
Gurajada vizianagaram**

Registration Number: **22VV1A0109**

Period of CSP: **8 WEEKS**

From: **13/05/2024**

To: **06/07/2024**

Name & Address of the Community/Habitation: **L.L.R municipal high
school Indira nagar, Nidadavole, East godavari district**



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
GURAJADA VIZIANAGARAM.

COMMUNITY SERVICE PROJECT

GANJI PRIYATHAM
22VV1A0109

Instructions to Students for Community Service Project

Please read the detailed Guidelines on Community Service Project hosted on the website of APState Council of Higher Education. <https://apsche.ap.gov.inLink:>

Link:

<https://apsche.ap.gov.in/Pdf/Guidelines%20for%20the%20OJT%20Internship%20Community%20Service%20Project.pdf>

<https://apsche.ap.gov.in/Pdf/Guidelines%20for%20the%20OJT%20Internship%20Community%20Service%20Project.pdf>

1. It is mandatory for all the students to complete 2 months (180 hours) of Community Service Project as a part of the 10 months mandatory internship / the job training.
2. Consider yourself as a committed volunteer in the community, you work with.
3. Every student should identify the village/community/habitation for Community Service Project (CSP) in consultation with the College Principal/the authorized person nominated byPrincipal.
4. Report to the community/habitation as per the schedule given by the College. You must make your own arrangements of transportation to reach the community/habitation.
5. You will be assigned with a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow volunteers. Post your daily activity done and/or any difficulty you encounter during the programme.
6. You should maintain punctuality in attending the CSP. Daily attendance is compulsory.
7. You are expected to learn about the community/habitation and their problems.
8. Know the leaders and the officials of the community/habitation.
9. While in project, always wear your College Identity Card.
10. If your college has a prescribed dress as uniform, wear the uniform daily.

Identify at least five learning objectives in consultation with your Faculty Guide. These learning objectives can address:

- Information about the community, including the realities and problems of the society.
- Need for creating awareness on socially relevant aspects/programs.
- Acquiring specific Life Skills.

11. Practice professional communication skills with team members, and with the leaders and officials of the community. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.

12. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.

13. At the end of Community Service Project, you shall be evaluated by the person in charge of the community/habitation to whom you report to.

14. There shall also be evaluation at the end of the community service by the Faculty Guide and the Principal.

15. Do not indulge in any political activities.

16. Ensure that you do not cause any disturbance to the inhabitants or households during your interaction or collection of data.

17. Be cordial but not too intimate with the persons you come across during your service activities.

18. You should understand that during this activity, you are the ambassador of your college, and your behaviour during the community service programme is of utmost importance.

19. If you are involved in any discipline related issues, you will be withdrawn from the programme immediately and disciplinary action shall be initiated.

20. Do not forget to keep up your family pride and prestige of your college.

21. Remember that you are rendering valuable service to the society and your role in the community

Community Service Project Report

Submitted in accordance with the requirement for the degree Of... B.Tech

Name of the College: **Jawaharlal Nehru Technological University, Gurajada, Vizianagaram**

Department: **Civil Engineering**

Name of the Faculty Guide:

Duration of the CSP: **8 weeks**

From **13/05/2024** To **06/07/2024**

Name of the Student: **GANJI PRIYATHAM**

Programme of Study: B.Tech

Year of Study: **2ND YEAR**

Register Number: **22VV1A0109**

Date of Submission:

Student's Declaration

I am GANJI PRIYATHAM a student of COMMUNITY SERVICE PROGRAM ,Reg No.22VV1A0109 of the Department of CIVIL ENGINEERING ,JNTU-GV College do hereby declare that I have completed the mandatory community service from 13-05-2024 to 06-07-2024 in LLR MUNICIPAL HIGH SCHOOL,NIDADAVOLE in JNTU-GV College.

(Signature and Date)

Endorsements

Faculty Guide

Head of the Department

Principal

ACKNOWLEDGEMENTS

I wish to express my gratitude to those who extend their valuable cooperation and contribution towards the Community Service Project.

I would like to thank S. Appalanaidu sir for his valuable time and continued assistance for successful completion of the Community Service Project.

I would like to express gratitude to M. S. RAJU sir for facilitating this CSP and providing guidance throughout the project.

I would like to thank the faculty and staff of the institute for their support.

CHAPTER 1: OVERVIEW OF COMMUNITY

Nidadavole is located at East godavari district, Andhra Pradesh. Nestled amidst lush greenery and scenic landscapes, this community is primarily agrarian, with farming being the main source of livelihood. The town is known for its cooperative nature, where traditional customs and cultural practices thrive. With a population that values both education and hard work.

The town people actively participate in local governance, making collective decisions for their well-being. Over the years, there has been a growing focus on improving infrastructure, education, and healthcare services in nidadavole, further enhancing the quality of life and ensuring sustainable growth for future generations.

No.of houses: **1580**

Area: **Urban**

Agricultural lands: **Not specified**

Total population: **45867**

TOPIC – 1

PLASTIC USAGE

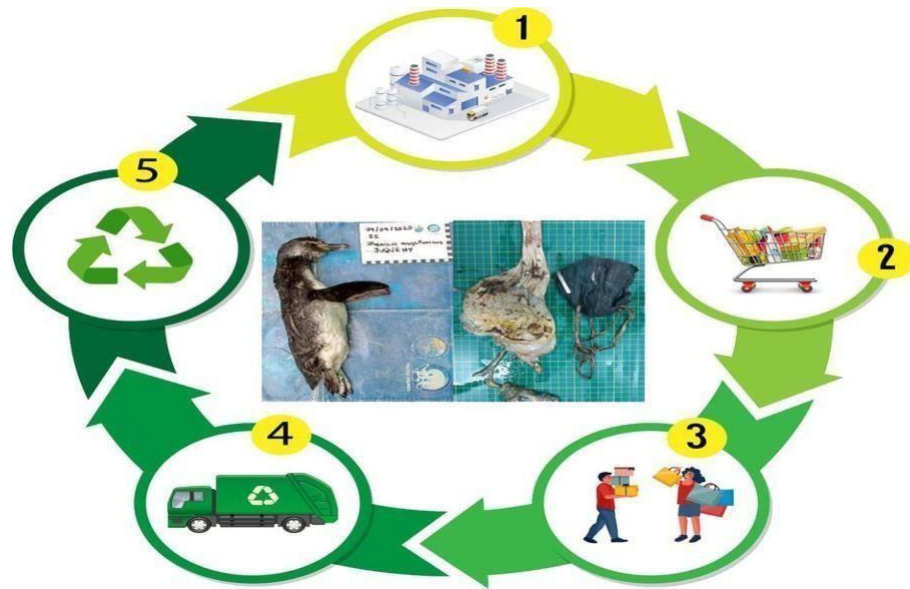
Plastic, once considered a revolutionary material, has now become one of the pressing environmental concerns of our time. Its versatility, durability, and cost-industry, from packaging to electronics. However, this same durability that makes plastic so useful is also what makes it a significant environmental threat. Today, raising awareness about the usage of plastic is not just important; it is critical to the health of our planet and future generation.

Plastic is extensive and alarming. Every year, millions of tons of plastic waste are generated, much of which ends up in landfills, rivers, and oceans. Due to its non-biodegradable nature, plastic takes hundreds to thousands of years to decompose. During this time, it breaks down into smaller pieces called microplastics, which have been found in water sources, soil, and even the air we breathe. This pollution disrupts ecosystems and poses significant risks to wildlife, which can ingest or become entangled in plastic waste, leading to injury or death.

One of the most tragic consequences of plastic pollution is its impact on wildlife. Marine animals, in particular, are severely affected. Sea turtles, fish, and seabirds often mistake plastic debris for food, ingesting harmful materials that can block their digestive systems and lead to starvation. Furthermore, animals can become entangled in discarded fishing nets or plastic packaging, leading to injury or death. The death of animals in ecosystems due to plastic pollution can create imbalances, affecting the health of entire ecosystems.

The environmental impact of Plastic does not only affect wildlife; it also poses risks to human health. Microplastics have been found in water supplies, and there is growing concern about their presence in the food chain. These tiny plastic particles can absorb harmful chemicals and, when ingested by humans, may lead to health problems. Moreover, the production of plastic is heavily dependent on fossil fuels, contributing to greenhouse gas emissions and exacerbating the global climate crisis.

Raising awareness of plastic usage is vital to encouraging the adoption of more sustainable alternatives. While plastic is convenient, there are numerous eco-friendly materials available that can replace it in everyday products. Biodegradable plastics, paper, glass, and metals offer more sustainable options for packaging and manufacturing. Additionally, promoting a circular economy where products are designed to be reused, recycled, or composted can significantly reduce the volume of plastic waste generated.



WEEKLY REPORT

WEEK – 1 (From Dt 13/05/2024 to Dt 18/05/2024)

Objective of the Activity Done:

Explain them about the harmful effects of plastic use, through educational Community Service Project.

Detailed Report:

As part of a community service project, an awareness on the usage of plastic was organized in Nidadavole, East Godavari district, Andhra Pradesh. The project aimed to educate the community on the harmful effects of plastic use and promote sustainable, eco-friendly alternatives. Given the increasing environmental challenges caused by plastic pollution, this initiative sought to create a lasting impact on the local population, encouraging them to adopt environmentally responsible practices. The project successfully reached a wide audience, including students, farmers, and local traders. There was a noticeable reduction in the use of plastic bags within the town and more households began adopting reusable alternatives. The plastic collection drives also resulted in cleaner public spaces, demonstrating the effectiveness of collective action. All are understand about what are the hazardous caused by using of plastic. And they aware about plastic usage.

ACTIVITY LOG FOR THE FIRST WEEK

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	PERSON INCHARGE SIGNATURE
Day - 1	I Explained about harms caused by using plastic	They learnt what are the harm caused by plastic	
Day - 2	I explained about how to reduce usage of plastic	They learnt the methods how to reduce usage of plastic	
Day - 3	Collecting of plastic materials	Local people are actively participated in cleaning plastic	
Day - 4	Discussed about diseases caused by using plastic	The know the clear information about disease which are caused by plastic	
Day - 5	Explain detailed about plastic	All are gain knowledge about plastic usage	
Day - 6	Awareness on plastic	Awareness plastic usage was given. sivini people are aware about plastic	



Explained about disadvantages of plastic



Explained about how important to keep our surroundings clean

Topic – 2

SANITATION

Sanitation and personal hygiene are two fundamental aspects of public health that play a vital role in preventing the spread of diseases, maintaining a healthy lifestyle, and ensuring overall well-being. While sanitation involves proper management of human waste and clean water access, personal hygiene refers to practices that individuals perform to care for their bodies and maintain cleanliness. Together, they form the foundation of a healthy and safe environment.

Sanitation refers to the systems and processes that ensure proper disposal of waste materials such as human excreta, sewage, and garbage. Access to clean water, functioning sewage systems, and proper waste disposal mechanisms are essential for maintaining a healthy environment. Poor sanitation can lead to the

contamination of water sources, soil, and food, resulting in the spread of diseases such as cholera, dysentery, and typhoid. According to the World Health Organization (WHO), millions of people still lack access to basic sanitation facilities, leading to a global sanitation crisis. Improper sanitation also contributes to environmental degradation. Contaminated water bodies can harm aquatic life and pollute ecosystems. Thus, addressing sanitation issues is not only crucial for human health but also for environmental sustainability. Governments and organizations worldwide have made efforts to improve sanitation infrastructure, particularly in developing countries, to reduce the risk of disease outbreaks and promote healthier living conditions. Personal hygiene involves practices such as regular handwashing, bathing, oral care, and grooming that help maintain cleanliness and prevent illness. These practices are essential for protecting oneself and others from the spread of infections and diseases. For instance, washing hands with soap and water can significantly reduce the transmission of viruses and bacteria that cause illnesses like the flu, diarrhoea, and respiratory infections. Maintaining personal hygiene also boosts self-esteem and confidence, as cleanliness and grooming are associated with good health and social acceptance. Proper oral hygiene, including brushing and flossing teeth, prevents dental problems such as cavities and gum disease. Regular bathing and clean clothing help eliminate body odour, sweat, and dirt, reducing the risk of skin infections and promoting a sense of well-being. While sanitation focuses on infrastructure and systems, personal hygiene emphasizes individual behaviour.

However, the two are closely linked. For example, without access to clean water and proper sanitation facilities, it becomes difficult for individuals to practice good personal hygiene. Likewise, poor personal hygiene can contribute to unsanitary conditions, particularly in public spaces like schools, workplaces, and communal living areas. The COVID-19 pandemic has underscored the importance of both

sanitation and personal hygiene in preventing the spread of infectious diseases. Practices such as frequent hand washing, using hand sanitizers, and wearing face masks became essential to reducing the transmission of the virus.

Sanitation and personal hygiene are essential pillars of public health. By ensuring access to clean water, proper waste disposal, and promoting hygienic practices, societies can prevent diseases, protect the environment, and enhance the quality of life for individuals. Both are key components of disease prevention strategies and must be prioritized to create healthier and more sustainable communities world-wide.

WEEKLY REPORT

WEEK –2 (From Dt 20/05/2024 to Dt 25/05/2024)

Objective of the Activity Done:

The objective is to promote sanitation and personal hygiene in Nidadavole by educating residents on best practices, improving waste management, and fostering a healthier living environment for the community.

Detailed Report:

The community service project focused on sanitation and personal hygiene in Nidadavole was designed to address critical health issues stemming from inadequate sanitation practices. Poor hygiene and sanitation can lead to various health problems, including waterborne diseases, which significantly affect the quality of life for residents. The project commenced with an assessment of the village's current sanitation practices. Volunteers conducted surveys and interviews to understand residents' knowledge and attitudes towards personal hygiene. The findings revealed a lack of awareness about proper sanitation practices, including waste disposal, handwashing, and the importance of maintaining clean surroundings. This information guided the development of a targeted action plan. The importance of sanitation and personal hygiene. Topics covered Included proper handwashing techniques, the significance of using clean water for drinking and cooking, and effective waste management strategies. Informational materials, such as pamphlets and posters, were distributed throughout the town to reinforce these messages. the project facilitated the installation of improved sanitation facilities, including clean toilets and handwashing stations in strategic locations. Community en crucial for the project's success. Local was leaders and residents were actively involved in planning and executing the activities, fostering a sense of ownership over the improvements made. Feedback sessions were held to discuss ongoing challenges and gather suggestions for sustaining these initiatives. The sanitation and personal hygiene project in Nidadavole successfully enhanced awareness and practices among residents, leading to improved health outcomes. The project laid the groundwork for ongoing efforts to maintain hygiene standards and foster a healthier, more informed community. Future initiatives will focus on sustaining these practices and encouraging continued community participation.

ACTIVITY LOG FOR THE SECOND WEEK

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	PERSON INCHARGE SIGNATURE
Day - 1	Explain them about sanitization.	They learn what is sanitation.	
Day - 2	Discussed about some hygiene tips.	Learn about hygienic tips.	
Day - 3	Importance of personal hygiene.	They gain Knowledge about personal hygiene.	
Day - 4	Explained about handwashing.	All people are done frequently handwashing.	
Day - 5	Explain them about environment hygiene.	They Ade clean their surroundings around them.	
Day - 6	Discussed about Personal hygiene.	All got an idea about personal hygiene.	



Explained about Personal Hygiene benefits



Explained about viral infections

Topic – 3

IMPORTANCE OF DRAINAGES SYSTEM

A drainage system is an essential infrastructure designed to remove excess water from surfaces like streets, fields, and buildings to prevent flooding, erosion, and water logging. These systems serve both natural and man-made environments and are crucial for maintaining public health, environmental sustainability, and structural integrity.

There are two main types of drainage systems: surface drainage and subsurface drainage.

Surface Drainage: Surface drainage systems are designed to remove excess water from the ground surface. This type of system typically involves a network of ditches, gutters, and storm drains that direct runoff away from roads, buildings, and other infrastructure. Urban areas heavily rely on surface drainage systems to manage stormwater, especially during heavy rainfall or storms. Without efficient surface drainage, cities face severe flooding, which can lead to property damage and disruption of daily life.

Subsurface Drainage: Subsurface drainage, also known as underground drainage, involves removing excess water from beneath the soil surface. This type of drainage is commonly used in agricultural fields to prevent waterlogging, which can damage crops and reduce soil fertility. Subsurface drainage systems often consist of perforated pipes buried below the soil's surface, which collect and channel water away from the field. The goal is to maintain the soil's moisture balance, ensuring crops receive enough water without becoming oversaturated.

One of the primary functions of a drainage system is to prevent flooding by efficiently removing rainwater or excess water from an area. Without proper drainage, cities and agricultural fields would be vulnerable to water accumulation, leading to damage to infrastructure and crops.

Proper drainage systems help prevent the spread of waterborne diseases such as malaria and dengue by reducing standing water, which serves as a breeding ground for mosquitoes and other disease-carrying organisms. Drainage is crucial in urban areas, where drainage systems protect roads, buildings, and other infrastructure to maintain soil structure and fertility. Excess water can cause root rot and reduce oxygen availability in the soil, harming crop growth. Drainage ensures that crops have access to the right amount of moisture, promoting better yields. Infrastructure is protected from water damage. Poor drainage can lead to the erosion of road surfaces, the weakening of building foundations, and the corrosion of infrastructure over time.

Drainage systems are vital for maintaining the balance between human activity and the natural environment. Whether in cities or rural areas, an effective drainage system prevents flooding, protects public health, and supports agriculture. With the ongoing pressures of urbanization and climate change, modern drainage solutions will continue to evolve to meet new challenges, helping to ensure sustainable living conditions and environmental resilience.



WEEKLY REPORT

WEEK – 3 (From Dt 27/05/2024 to Dt 01/06/2024)

Objective of the Activity Done:

To improve nidadavole drainage system to enhance sanitation, prevent flooding, promote public health, and foster community awareness and involvement in maintaining effective drainage solutions.

Detailed Report:

The community service project aimed at improving the drainage system in nidadavole was initiated to address significant issues related to waterlogging, sanitation, and public health. Poor drainage not only leadsto flooding but also fosters an environment for waterborne diseases, affecting the well-being of residents.

The project began with a comprehensive assessment of the existing drainage infrastructure. Volunteers surveyed the village, identifying key areas prone to water accumulation and analysing the current drainage patterns. This assessment highlighted critical challenges, such as blocked drains and inadequate channels, which exacerbated flooding during the monsoon season. Based on these findings, a detailed plan was developed to enhance the drainage system.

An essential component of the project was community engagement. Workshops and awareness campaigns were conducted to educate residents about the importance of maintaining the drainage system. The town people were encouraged to adopt responsible waste disposal practices to prevent clogging the drains and to participate in regular maintenance activities.

The project significantly improved the drainage system, resulting in reduced flooding during heavy rains and better overall sanitation in the town. The community's awareness of drainage maintenance increased, fostering a sense of ownership and responsibility towards their environment. The project not only enhanced public health but also strengthened community bonds as residents collaborated to improve their living conditions.

ACTIVITY LOG FOR THE THIRD WEEK

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	PERSON INCHARGE SIGNATURE
Day - 1	Explained about drainage system.	Local people learn about drainage system.	
Day - 2	Discussed about usage of drainage System.	They learnt that now a days drainage system is necessary.	
Day - 3	Cleaning of drainage.	People know that cleaning of drainage is important.	
Day - 4	Explained about importance of drainage system.	They know the importance and information about drainage system.	
Day - 5	Advantages of providing drainage.	All community got an idea about drainage system.	
Day - 6	Explained where the drainage system is mainly used.	Clearly explained where the drainage systems are mainly used.	



Explained about drainage systems

t



Explained about maintaining proper drainage system

Topic – 4

Importance of Organic Farming

Organic farming is an agricultural practice that emphasizes sustainability, environmental health, and the avoidance of synthetic chemicals. It revolves around using natural methods to cultivate crops and raise livestock, aiming to preserve the health of the ecosystem while producing food that is free from synthetic pesticides, fertilizers, and genetically modified organisms (GMOs). This practice has gained considerable attention due to growing concerns about the environmental and health impacts of conventional farming.

The core principles of organic farming include maintaining ecological balance, enhancing soil fertility, promoting biodiversity, and using renewable resources. Farmers prioritize soil health by incorporating organic matter such as compost and manure, which helps improve soil structure and nutrient content. Unlike conventional farming, where chemical fertilizers are used to boost yields, organic farming relies on crop rotation, green manure, and natural fertilizers to maintain soil fertility.

Another key principle is pest management. Organic farming discourages the use of synthetic pesticides, which can harm beneficial insects, soil organisms, and even human health. Instead, farmers employ biological pest control methods, such as introducing predator insects to manage pests or using natural plant extracts to repel insects. Additionally, organic farming often utilizes techniques like intercropping and companion planting to minimize the spread of diseases and pests. Organic farming offers numerous environmental benefits. One of the primary advantages is soil conservation. By avoiding the use of harsh chemicals and focusing on building healthy soil, organic farming helps prevent soil erosion and degradation. This improves soil structure and water retention capacity, leading to more resilient crops, especially in times of drought.

Water conservation is another important benefit. Since organic farming practices reduce the use of chemical inputs, there is less contamination of nearby water sources from runoff. Organic farms often use sustainable irrigation methods to minimize water waste, which is crucial in areas facing water scarcity.

For consumers, organic products are perceived as healthier and safer since they are free from synthetic chemicals and GMOs. Organic food is often richer in essential nutrients, such as vitamins, minerals, and antioxidants, which contribute to better

health. Additionally, organic farming does not use antibiotics or growth hormones in livestock, reducing the risk of antibiotic resistance and exposure to harmful chemicals in animal products.

Organic farming represents a sustainable and environmentally friendly alternative to conventional farming methods. By prioritizing soil health, biodiversity, and ecological balance, organic farming not only produces nutritious food but also promotes long-term environmental sustainability. As the world faces increasing challenges like climate change, water scarcity, and soil degradation, organic farming offers a viable solution for a more sustainable future in agriculture.



WEEKLY REPORT

WEEK – 4 (From Dt 03/06/2024 to Dt 08/06/2024)

Objective of the Activity Done:

To promote sustainable agriculture, improve soil health, enhance biodiversity, and provide communities with healthier, chemical-free food alternatives.

The Community Service Project in Nidadavole aimed to introduce organic farming practices to promote sustainable agriculture, improve food security, and enhance the livelihoods of local farmers. As a village reliant on traditional agriculture, transitioning to organic farming offered an opportunity to address environmental concerns and improve the quality of produce while reducing the harmful effects of chemical inputs on health and soil. Organic farming relies on ecologically balanced agricultural principles such as crop rotation, green manure, organic waste, biological pest control, organic fertilizers, and rock additives. A successful organic farming business always includes a good business plan.

Enhance Farmer Knowledge:

Train farmers in sustainable organic farming techniques to lower input costs and increase yields.

The project resulted in improved soil fertility, increased biodiversity, and reduced reliance on synthetic chemicals. Farmers reported better health outcomes and reduced costs due to the use of local organic inputs. The demand for organic produce in local markets also grew, improving the economic well-being of the farmers. Organic farming initiative in Nidadavole successfully promoted sustainable agriculture, enhanced crops.

ACTIVITY LOG FOR THE FOURTH WEEK

DAY &DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	PERSON INCHARGE SIGNATURE
Day - 1	Explained about Organic farming.	They learnt what are organic farming.	
Day - 2	Discussed about harmfulpesticides.	They learnt to avoid usage of pesticides.	
Day - 3	How to do organic farming.	All people in the community are show interest to know about organic farming.	
Day - 4	Explained about disadvantages of using pesticides.	They got clear information about harms of pesticides.	
Day - 5	Discussed different methods of organicfarming.	Different methods of organic farming were explained.	
Day - 6	Explained about advantages of organic farming and products.	They got clear knowledge about organic farming and products.	



Explain about uses of organic farming



Explained about advanced techniques of organic farming

CHAPTER 2: EXECUTIVE SUMMARY

L.L.R municipal high school indira nagar a Co-ed Located at nidadavole, East godavari district of Andhra Pradesh, India. It is affiliated with Andhra Pradesh Board of Secondary Education (BSEAP). LLR Municipal high school is a primary. It is owned and Operated by the Local Body. It believes in overall development of the students by balancing academics, Extra-curricular activities, sports in the state of art infrastructure within the Campus. The school offers playgrounds for cricket, basketball, volleyball, Table tennis, badminton and other sports. The admission process for this School starts every year in the month of May and School starts in July.

Other Information

Head Master: **M. S. RAJU**

Deputy Head Master: **Not Specified**

Number of Faculty: **12**

Student Intake: **60**

Lowest Class: **6**

Academic Start date: **Not Specified**

Campus Type: **urban**

Campus Area: **Not Specified**

Residential School: **No**

Highest Class: **10**

Topic – 5

AIR POLLUTION

Air pollution has become one of the most pressing environmental issues of the 21st century, posing a severe threat to human health, ecosystems, and the global climate. Defined as the contamination of the atmosphere by harmful substances, air pollution results primarily from human activities such as industrial processes, vehicular emissions, deforestation, and agriculture. These pollutants include gases like carbon dioxide (CO₂), nitrogen oxides (NO_x), sulfur dioxide (SO₂), volatile organic compounds (VOCs), and particulate matter (PM). The impacts of air pollution are wide-reaching, affecting both urban and rural areas, developed and developing countries alike.

The primary sources of air pollution can be classified into two categories: human-made and natural.

- **Transportation:** Emissions from vehicles are a leading contributor to air pollution. The combustion of fossil fuels, such as gasoline and diesel, releases harmful pollutants into the atmosphere, including carbon monoxide (CO), nitrogen oxides (NO_x), and particulate matter.
- **Industrial Emissions:** Factories, power plants, and manufacturing units release pollutants such as Sulphur dioxide (SO₂), nitrogen oxides, and particulate matter. These pollutants contribute to smog formation, acid rain, and global warming.
- **Agriculture:** Livestock farming produces methane (CH₄), a potent greenhouse gas. The use of fertilizers and pesticides also releases harmful chemicals into the air, contributing to air pollution.
- **Residential Activities:** Burning of wood, coal, and other biofuels for cooking and heating in homes can result in the release of pollutants, particularly in regions without access to clean energy alternatives. Natural events such as volcanic eruptions, wildfires, and dust storms also contribute to air pollution. While these are not controlled by human activities, the frequency and intensity of such events can be exacerbated by human-induced climate change.

Air pollution is linked to a wide array of health problems, including respiratory diseases, cardiovascular conditions, and premature deaths. Fine particulate matter (PM_{2.5}) can penetrate deep into the lungs and enter the bloodstream, causing chronic illnesses such as asthma, bronchitis, and even lung cancer.

The World Health Organization (WHO) estimates that air pollution is responsible for around 7 million premature deaths annually worldwide.

Air pollution damages ecosystems, particularly through acid rain and ground level ozone (a component of smog). Acid rain, caused by sulfur and nitrogen compounds in the air, can acidify water bodies, harming aquatic life and damaging forests. Ground-level ozone, formed when pollutants react with sunlight, can inhibit plant growth and affect crop yields, threatening food security.



WEEKLY REPORT

WEEK – 5 (Dt 10/06/2024 to Dt 15/06/2024)

Objective of the Activity Done:

To raise awareness about air pollution at LLR Municipal high school nidadavole by educating students on its causes, effects, and preventive measures to promote a healthier environment.

Detailed Report:

The community service project focused on addressing air pollution at LLR municipal high school aimed to educate students about the causes, effects, and preventive measures associated with air pollution. With increasing environmental concerns, it is crucial for young minds to understand the impact of air quality on their health and the environment.

The project began with an assessment of students' existing knowledge regarding air pollution. Surveys and discussions revealed a limited understanding of the topic, highlighting the need for structured educational interventions. Based on this assessment, a comprehensive program was developed to engage students actively and effectively in learning about air pollution.

Informative sessions, and hands-on activities. To cover essential topics such as the sources of air pollution, including vehicle emissions, industrial waste, and agricultural practices. Guest speakers, including environmental scientists and health professionals, were invited to share their expertise and provide real-world examples of air pollution's effects on health and the environment.

To make learning engaging, students participated in activities such as creating posters and presentations about air pollution, its impact on health, and possible solutions. These activities encouraged creativity while reinforcing the concepts discussed in workshops.

A school-wide campaign was launched to promote cleaner air, which included initiatives like tree planting, promoting the use of bicycles for short distances, and encouraging the reduction of plastic use.

The project significantly increased students' awareness of air pollution and its consequences. Feedback from participants indicated a heightened concern for environmental issues and a commitment to adopting ecofriendly practices in their daily lives. Teachers reported improved engagement during discussions about environmental topics.

The air pollution project at LLR Municipal high school effectively equipped students with the knowledge and tools needed to understand and combat air pollution. Continued efforts in environmental education will foster a generation of environmentally conscious individuals dedicated to promoting a cleaner, healthier future.

ACTIVITY LOG FOR THE FIFTH WEEK

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	PERSON INCHARGE SIGNATURE
Day - 1	Explained about air pollution.	All students are interest to learn about air pollution.	
Day - 2	Explained about harmful gases in atmosphere.	All students are gain knowledge about harmful gases.	
Day - 3	Discussed about diseases caused by air pollution.	They know the knowledge about diseases caused by air pollution.	
Day - 4	What are the main causes for air pollution.	They understand the main causes of air pollution.	
Day - 5	Explain about how to reduce air pollution.	Students learn about Preventions for air pollution.	
Day - 6	Awareness on air pollution.	The Awareness of air pollution is given. All students are aware about air pollution.	



Explained about causes of Pollutions



Explained about effects of Pollutions

Topic – 6

LEADERSHIP QUALITIES

Leadership is the ability to inspire, influence, and guide others toward achieving a common goal. True leaders demonstrate a range of qualities that set them apart and make them effective in leading teams or organizations. While leadership styles may vary, some essential qualities consistently define successful leaders.

Leaders are visionary, able to look beyond the present and anticipate future trends, challenges, and opportunities. They provide a clear direction and set long-term goals that inspire others. A leader with a strong vision can turn an idea into a reality by aligning their team's efforts with the overall goal. They are forward-thinkers, always planning ahead and considering the bigger picture.

One of the most important leadership qualities is the ability to communicate effectively. Leaders must articulate their ideas, goals, and expectations clearly. Good communication ensures that everyone in the team understands their roles and responsibilities, reducing confusion and fostering teamwork. Moreover, great leaders listen attentively to their team members, showing empathy and valuing their input. Integrity is the cornerstone of leadership. Leaders must uphold strong moral principles and act ethically.

They lead by example, ensuring that their actions are consistent with their words. Along with integrity comes accountability. Leaders take responsibility for their actions and decisions, whether the outcomes are positive or negative. This earns them the respect and trust of their followers, which is crucial for building strong, cohesive teams. In an ever-changing world, adaptability is a critical leadership trait. Great leaders are flexible and open to new ideas.

They can quickly adjust to changes in the market, technology, or internal dynamics without losing sight of the end goal. Adaptable leaders are proactive rather than reactive, and they view challenges as opportunities for growth and innovation.

Emotional intelligence (EQ) refers to a leader's ability to understand and manage their emotions and the emotions of others.

Leaders with high EQ are self-aware, empathetic, and skilled at navigating interpersonal relationships. They create a positive work environment by recognizing and addressing the emotional needs of their team members. Emotional intelligence enables leaders to handle conflict with diplomacy and build strong, trusting relationships. A good leader motivates and inspires their team to perform at their best.

Leadership is not just about holding a position of authority. It requires a blend of vision, communication, integrity, adaptability, emotional intelligence ,decisiveness, and the ability to inspire others. Effective leaders build trust, guide their teams toward success, and leave a lasting impact on both their organizations and the people they lead.

WEEKLY REPORT

WEEK – 6 (Dt 17/06/2024 to Dt 22/06/2024)

Objective of the Activity Done:

To develop leadership qualities among students at LLR Municipal high school in nidadavole by fostering teamwork, enhancing communicationskills, and encouraging initiative through various activities and workshops.

Detailed Report:

I aimed at developing leadership qualities among students at L.L.R. Municipal high school nidadavole focused on equipping young individuals with essential skills for personal and academic success. Leadership is crucial for fostering confidence, responsibility, and effective communication among students, preparing them for futurechallenges.

The project began with an assessment of the current environment at LLRMUNICIPAL HIGH SCHOOL to identify the existing leadership opportunities available to students. It was observed that while students showed enthusiasm, there was a lack of structured programs to nurture their leadership skills. In response, a detailed plan was developed, focusing on interactive activities, workshops, and group projects to fosterleadership qualities.

I discussed on topics such as effective communication, conflict resolution, teamwork, and decision-making. Students participated in group discussions and role-playing scenarios to practice these skills inreal-life situations.

The project successfully cultivated a more dynamic and confident student body. Teachers noted improvements in student engagement and cooperation during group activities. Students reported feeling more empowered and capable of taking on leadership roles within the schooland community.

The leadership development Project L.L.R Municipal high school nidadavole instilled essential leadership qualities in students. Moving forward, continued emphasis on these skills will contribute to nurturingresponsible and proactive future leaders in the community.

ACTIVITY LOG FOR THE SIXTH WEEK

DAY &DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	PERSON INCHARGE SIGNATURE
Day - 1	Explained about leadership qualities.	Learn about leadership qualities.	
Day - 2	What is the necessity to learn about leadership qualities are explained.	There is a requirement to provide knowledge about leadership qualities.	
Day - 3	Explained about skills required for leader.	The students aren't sure about what leadership qualities they have.	
Day - 4	Discussed about communication skills.	They learnt Communication skills.	
Day - 5	Explained about best qualities of leader.	All students are learnt that what are the best qualities of a leader.	
Day - 6	Provide total information about leadership.	Students in MPPSare gain knowledge.	



Explained about Great leaders of INDIA



Explained about How to be a good quilites of a leader

Topic – 7

CAREER GUIDANCE

Career guidance plays a crucial role in shaping an individual's future by providing insights and direction toward suitable career paths. It involves the process of helping individuals make informed decisions about their education, profession, and development based on their skills, interests, and personality. With the ever-evolving job market, career guidance has become increasingly important to navigate the complexities of various professions and industries.

One of the key benefits of career guidance is the clarity it brings. Many students and professionals struggle with uncertainty when it comes to selecting the right career. This is often due to a lack of awareness of the various options available, as well as a misunderstanding of one's own strengths and weaknesses. Career guidance helps individuals assess their interests and capabilities through a structured approach, ensuring they select a path that aligns with their personal goals and market demands. Moreover, career guidance addresses the ever-changing dynamics of the job market. With the rise of technology and new fields like artificial intelligence, data science, and digital marketing, there are many new roles that didn't exist a decade ago. Career counsellors keep track of these trends and provide relevant advice on what skills are in demand, helping individuals future proof their careers.

Career counsellors play a pivotal role in career guidance. These professionals are trained to assess an individual's skills, interests, and personality traits. They provide resources such as aptitude tests, personality assessments, and in-depth counselling sessions to help individuals understand themselves better. This self-awareness allows individuals to make decisions that align with their passions and long-term career goals.

In addition to assessing personal traits, career counsellors also have a deep understanding of educational and job opportunities. They can guide students toward appropriate courses, vocational training, internships, and jobs that will enhance their skill set and employability. Career counsellors also provide support during career transitions, such as changing fields or advancing into leadership roles, ensuring individuals are well-prepared for these shifts.

WEEKLY REPORT

WEEK – 7 Dt (24/06/2024 to Dt 29/06/2024)

Objective of the Activity Done:

The objective is to provide career guidance at LLR Municipal high school in nidadavole by informing students about various career paths, enhancing their decision-making skills, and fostering aspirations for their future professions.

Detailed Report:

The community service project aimed at providing career guidance to students at LLR Municipal high school in nidadavole was initiated to help young learners make informed decisions about their future. Many students face uncertainty regarding career choices, often due to a lack of information and resources. This project sought to bridge that gap by exposing students to various career options and enhancing their understanding of the skills required for different professionals.

The project commenced with a needs assessment to identify students' interests and awareness of potential career paths. Surveys and focus group discussions revealed a limited understanding of various professions among students. Based on these findings, a structured program was developed that included workshops, guest lectures, and interactive sessions with professionals from diverse fields.

I discussed about different career options such as engineering, healthcare, arts, and entrepreneurship. Each session featured guest speakers from various professions who shared their experiences and insights, providing students with real-world perspectives.

In addition to interactive activities such as group discussions and roleplaying scenarios were conducted to engage students actively. Career aptitude tests were administered to help students identify their strengths and interests, guiding them towards suitable career paths.

The project significantly impacted students' awareness and aspirations regarding their future careers. Participants reported increased confidence in exploring career options and a clearer understanding of the educational pathways required. Teachers noted enhanced enthusiasm among students, with many expressing a newfound motivation to pursue their studies diligently.

ACTIVITY LOG FOR THE SEVENTH WEEK

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	PERSON INCHARGE SIGNATURE
Day - 1	Explained about what is Education and what are the different paths of Career.	All students are interacted with means learnt about Education and Career.	
Day - 2	I explained them what are the problems we can face if we are uneducated.	They understand that what are the problems they face if they are uneducated	
Day - 3	I explained them skills are more important than bookish knowledge.	Students are strongly believed that skills are more important for their career.	
Day - 4	Ask them what are their future goals.	They told me their goals like doctor, engineer, police, etc, ..	
Day - 5	Discussed and explain them how to achieve their goals.	The career counselling was given.	
Day - 6	Explained about Higher education.	Some doubts about Higher education were cleared.	



Explained of about different streams after 10th standard



Explained about Career Development

Topic – 8

PHYSICAL EDUCATION AND FITNESS

Physical education (PE) is an essential component of the educational curriculum, aimed at promoting physical fitness, teaching students about healthy habits, and developing motor skills. Beyond its physical benefits, PE plays a critical role in promoting mental well-being, social interaction, and lifelong habits that contribute to overall health. In today's increasingly sedentary world, where technology often limits physical activity, the importance of physical education in schools has never been more evident.

Physical education fosters the development of physical fitness, which is crucial for maintaining good health. Through regular physical activity, students can enhance cardiovascular endurance, muscular strength, flexibility, and coordination. PE classes help in preventing lifestyle-related diseases such as obesity, diabetes, and heart disease. By incorporating physical activity into their daily routine, students are encouraged to adopt healthy habits that can last a lifetime. In addition to improving physical health, physical education also supports mental well-being. Regular exercise has been shown to reduce symptoms of stress, anxiety, and depression by releasing endorphins—the body's natural mood elevators. Students who participate in physical activities often report feeling more energetic and focused, which positively impacts their academic performance. Physical education, therefore, contributes to both the physical and mental growth of students. Development of Social Skills physical education also provides a platform for the development of essential social skills. Team sports and group activities encourage students to collaborate, communicate, and build relationships with their peers. These activities teach values such as teamwork, leadership, discipline, and sportsmanship, all of which are important for personal and professional success later in life. PE classes also offer opportunities for students to understand the importance of fair play, respect for others, and handling both victory and defeat with grace. One of the key objectives of physical education is to instill a lifelong appreciation for physical activity. PE classes expose students to various sports, exercises, and recreational activities, helping them discover interests that they can pursue beyond the classroom.

Whether it's swimming, running, basketball, or yoga, physical education encourages students to find forms of exercise that they enjoy, fostering long-term engagement in healthy habits.

Physical education is vital for promoting a healthy, active lifestyle and equipping students with the tools they need for physical and mental well-being.

WEEKLY REPORT – 8

(Dt 01/07/2024 to Dt 06/07/2024)

Objective of the Activity Done:

The objective is to enhance physical education for students LLR Municipal high school nidadavole by promoting regular physical activity, encouraging sports participation, and developing fitness habits for overall health and growth.

Detailed Report:

The community service project focused on improving physical education for students at the LLR Municipal high school nidadavole in . Physical education plays a crucial role in the holistic development of children, fostering not only physical fitness but also mental and social well-being.

This project aimed to address the lack of structured physical activity at the school and to raise awareness about the importance of regular exercise for students' overall growth.

The project began with an assessment of the existing physical education facilities and programs at the school. It was found that the school had limited equipment and lacked structured activities to engage students in physical education. A detailed plan was developed to introduce a comprehensive physical education program that would include sports, games, and fitness routines. The focus was on activities that could be performed with minimal resources while maximizing student participation.

The project involved organizing daily physical education sessions for students, including warm-up exercises, team sports such as football and volleyball, and fun activities like relay races and skipping. Simple but effective fitness routines, including stretching, running, and strength building exercises, were introduced to develop students' physical fitness.

Additionally, workshops were conducted to educate students on the benefits of regular physical activity, proper posture, and the importance of maintaining an active lifestyle. Teachers were also trained to carry on these activities, ensuring the program's sustainability.

The project significantly enhanced the physical activity levels of students. Teachers reported improved concentration and discipline among students, while the children displayed greater enthusiasm for sports and physical activities.

ACTIVITY LOG FOR THE EIGHTH WEEK

DAY &DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	PERSON INCHARGE SIGNATURE
Day - 1	Explained about physical education.	All students are shown interest to learn about Physical education.	
Day - 2	Discussed what is the importance of physical education.	They learnt what is the importance of physical education.	
Day - 3	Done some exercises and Explain about yoga.	All students are actively participated.	
Day - 4	Explain them importance of playing sports and outdoor games.	They got an idea and learn the benefits of playing outdoor games and sports.	
Day - 5	Played different outdoor games.	All students are actively played games.	
Day - 6	Clear information is given about physical education.	Some doubts are clear about Physical education.	

:



Explained about Physical Education



Explained about Physical Education

Certificate from Official of the Community

This is to certify that GANJI PRIYATHAM (Name of the Community Service Volunteer) Reg. No.22VV1A0109 of JNTU-GV Name of the College) underwent community service in NIDADAVOLE (Name of the Community) from 13/05/2024 to 06/07/2024.

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

Student Self-Evaluation for the Community Service Project

Student Name: **GANJI PRIYATHAM**

Registration No: **22VV1A0109**

Period of CSP: **8 weeks**

From: **13/05/2024** To: **06/07/2024**

Date of Evaluation:

Name of the Person in-charge: **M.S. RAJU**

Address with mobile number:

Please rate your performance in the following areas:

Rating Scale:
rank

6 is lowest and 10 is highest

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

Internal Evaluation for the Community Service Project

Objectives:

- To facilitate an understanding of the issues that confront the vulnerable / marginalized sections of society.
- To initiate team processes with the student groups for societal change.
- To provide students an opportunity to familiarize themselves with the urban /rural community they live in.
- To enable students to engage in the development of the community.
- To plan activities based on the focused groups.
- To know the ways of transforming society through systematic programme implementation.

Assessment Model:

- There shall only be internal evaluation.
- The Faculty Guide assigned is in-charge of the learning activities of the students and for the comprehensive and continuous assessment of the students.
- The assessment is to be conducted for 100 marks.
- The number of credits assigned is 4. Later the marks shall be converted into grades and grade points to include finally in the SGPA and CGPA.
- The weightings shall be:
 - o Activity Log 20 marks
 - o Community Service Project Implementation 30 marks
 - o Mini Project Work 25 marks
 - o Oral Presentation 25 marks
- Activity Log is the record of the day-to-day activities. The Activity Log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration the individual student's involvement in the assigned work.
- While evaluating the student's Activity Log, the following shall be considered -
 - a. The individual student's effort and commitment.
 - b. The originality and quality of the work produced by the individual student.
 - c. The student's integration and co-operation with the work assigned.
 - d. The completeness of the Activity Log.

INTERNAL ASSESSMENT STATEMENT

Name of the student: **GANJI PRIYATHAM**

Programme of study: **B. TECH**

Year of study: **2ND YEAR**

Group: **CIVIL ENGINEERING**

Register No: **22VV1A0109**

Name of the college /university: **JNTU-GV VZM**

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

Date:

Certified by:

Signature of the Head of Department/Principal