

A project report on

“A Study on Cattle Farming and Animal Husbandry Practices”  
Submitted in partial fulfillment of the requirements forward of the degree of  
BACHELOR OF TECHNOLOGY

in

ELECTRONICS & COMMUNICATION ENGINEERING

By

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Under the Esteemed guidance of  
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DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING

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NH-16, Anakapalle-531002, Visakhapatnam, A.P.  
(2023-2027)



DEPARTMENT OF  
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CERTIFICATE

This is to certify that the project report entitled "A Study on Cattle Farming and Animal Husbandry Practices" submitted K.Dhathri(23U41A0431), K.Geethasri(23U41A0432), P.Chandrika(23U41A0447),M.Dhamarendranadh(23U41A0439),K.Dilleswarao (23U41A0430) , N.Pavankumar(23U41A0440).In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronics & Communication Engineering, from Dadi Institute of Engineering & Technology, Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' Grade is a record of Bonafide work carried out by them under my guidance and supervision.

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EXTERNAL EXAMINER

## ABSTRACT

Cattle farming is an integral part of animal husbandry that significantly contributes to the agricultural sector and rural economy. This Community Service Project (CSP) was undertaken to study the practices, challenges, and modern approaches in cattle management. The project involved field visits to local farms, surveys with farmers, and interactions with veterinary professionals to gain practical insights. Key areas of focus included cattle breeds, feeding practices, health management, shed maintenance, and milk production. Awareness programmes and a free veterinary camp were also organized to support farmers with better knowledge of animal care, disease prevention, and sustainable farming practices. The study highlighted the importance of adopting scientific methods in breeding, feeding, and hygiene for improving productivity and ensuring long-term sustainability. This project not only enhanced our understanding of cattle farming but also helped in creating awareness among farmers, thereby contributing to community welfare and rural development.

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**A Project report**

**On**

**BOTANICALSURVEY & STUDY OF SPECIES**

A Project Report submitted in partial fulfillment of the  
requirements for the Degree of

**BACHELOR OF TECHNOLOGY**

**ELECTRONICS & COMMUNICATION ENGINEERING**

**SUBMITTED BY**

**BATCH NO:18**

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**Under the Estimated Guidance of**

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This is to certify that the project work entitled "COMMUNITY SURVICE PROJECT" is being submitted by P.POONAM MANOGNA (24U45A04024), G.MOUNIKA (24U45A0436), CH.LAVANYA SIRI(24U45A0407), In partial fulfillment of the requirement of the award of the degree of BACHELOR OF TECHNOLOGY OF ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2025-2026.



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PROJECT GUIDE



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## ABSTRACT

This project report presents a detailed account of our Community Service Project titled "Botanical Survey and Study of Species", conducted at the Visakhapatnam Biodiversity Park. The primary objective of this initiative was to explore and understand the diverse flora present in the region and to create awareness about the importance of plant species in maintaining ecological balance.

The survey involved the identification and documentation of various plant species, their scientific names, habitats, and ecological significance. Emphasis was placed on understanding the medicinal, cultural, and environmental value of native and endemic plants. Additionally, we studied the inter relationship between plant species and their surrounding environment, highlighting the role of biodiversity in sustaining life.

Through this project, we not only gained practical knowledge in the field of botany and environmental science but also developed a deep sense of responsibility toward nature conservation. The experience reinforced the importance of biodiversity and the urgent need to protect and preserve our natural resources for future generations.

A Project Report  
On  
**AGRICULTURE**

Submitted in partial fulfilment of the requirements for the award of degree of  
**BACHELOR OF TECHNOLOGY**  
**ELECTRONICS & COMMUNICATION ENGINEERING**  
SUBMITTED BY

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This is to certify that the Project work entitled "COMMUNITY SERVICE PROJECT" is being submitted by Ch.Varshik Ram (24U45A0406), L.L.Narashima Swamy (24U45A0417), K.Hareesh (24U45A0415), Y.Kalyana Ramadu (24U45A0434), Ch.Jaswanth (23U41A0468) in partial fulfilment of the Requirement for the award of degree of **BACHELOR OF TECHNOLOGY** for **ELECTRONICS & COMMUNICATION ENGINEERING** during the academic year 2024 - 2025.

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## ABSTRACT:-

This project gives us detail information about the role of organic farming in agriculture and how the organic farming effect to the environment.

Organic farming is a technique, which involves the cultivation of plants and rearing of animals in natural ways. This involves the use of biological materials, avoiding synthetic substances to maintain soil fertility and ecological balance there by it minimizes the pollution and wastage. It is better to use organic farming without using non-organic farming. This non-organic farming causes greenhouse emissions, soil erosion, water pollution, and effects to human health. Thus, the organic farming helps to maintain environment health by reducing use of chemicals (pesticides, fertilizers, herbicides), it help to reduce the soil erosion, and to promote sustainable development. The main of the organic farming is to produce quality products, with high nutritional values and on chemicals, for the purpose of good health. India is still struggling with food security. According organization more than 190 million people remains hungry on daily basis. Organic farming plays a vital role in the world and how the farmers are ensuring for the sustainable development. India's first state sikkim fully dependent on organic farming. The main thing is to takes corrective measures which are needed to ensure the states become responsible and contribute towards "organic world". By using wrong methods, the soil becomes barren, which makes the upcoming generations has no future.

**A Project Report**

**On**

**“WATER POLLUTION”, “AIR POLLUTION”**

**AND “ANTI PLASTIC AWARENESS”.**

submitted in partial fulfilment of the requirement of the award of the degree of

**BACHELOR OF TECHNOLOGY**

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Submitted by

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NH-16, Anakapalle – 531002, Visakhapatnam, A.P.**

**(2023-2027)**



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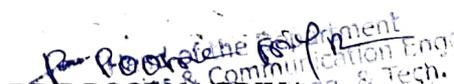
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During the academic year 2025-2026.

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## ABSTRACT

Environmental protection is one of the most critical challenges of our time, and creating awareness is the first step toward sustainable change. This community service project was undertaken to spread awareness about the adverse effects of water pollution, air pollution, and plastic usage on the environment and human health. The project aimed to educate the public about the causes, consequences, and preventive measures related to these issues through interactive sessions, posters, campaigns, and discussions.

Water pollution caused by industrial discharge, domestic waste, and plastic dumping leads to the degradation of aquatic ecosystems and scarcity of clean water. Similarly, air pollution from vehicles, factories, and burning of fossil fuels contributes to respiratory diseases and global warming. The excessive use of plastics further worsens both air and water quality, as non-biodegradable plastics contaminate soil and water bodies and release harmful gases when burned.

Through this awareness initiative, participants learned about practical solutions such as waste segregation, recycling, reducing single-use plastics, conserving natural resources, and adopting eco-friendly habits. The project encouraged community participation, promoting a collective sense of responsibility toward environmental protection. Overall, this initiative emphasized the importance of small yet consistent actions to achieve a cleaner, healthier, and more sustainable future for all.



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A Project Report submitted in partial fulfilment of the requirements for the award of the

Degree of

**BACHELOR OF TECHNOLOGY**

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## ABSTRACT

Safe drinking water is one of the fundamentals of society and experience has shown that a holistic national framework is needed for its effective provision. A national framework should include legal requirements on water protection, surveillance on drinking water quality and performance of the water supply system, and systematic preventive management. Iceland has implemented these requirements into legislation. This case study analyzes the success and challenges encountered in implementing the legislation and provide recommendations on the main shortcomings identified through the Icelandic experience. The results of the analysis show that the national framework for safe drinking water is mostly in place in Iceland. The shortcomings include the need for both improved guidance and control by the central government, and for improved surveillance of the water supply system and implementation of the water safety plan by the Local Competent Authorities. Communication to the public and between stakeholders is also insufficient. There is also a deficiency in the national framework regarding small water supply systems that needs to be addressed. Other elements are largely in place or on track. Most of the lessons learned are transferable to other European countries where the legal system around water safety is built on a common foundation from EU directives. The lessons can also provide valuable insights into how to develop a national framework elsewhere.

**Keywords:** Accessibility, Inequalities, Quality standards, Safe water, Water uses. "Drinking water is the water intended for human consumption for drinking and cooking purposes for many sources. It includes water supplied by any means that is for human consumption".

A project report on

**“AGRICULTURE AND WATER RESOURCES”**  
Submitted in partial fulfillment of the requirements forward of the degree of  
**BACHELOR OF TECHNOLOGY**

in  
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EXTERNAL EXAMINER

## ABSTRACT

Agriculture is the backbone of rural livelihoods, yet its sustainability is critically dependent on the availability and efficient use of water resources. Rapid population growth, climate change, and overexploitation of natural resources have increased pressure on both agricultural productivity and water management. This community service project aims to promote sustainable agricultural practices through efficient water resource management, awareness creation, and practical demonstrations at the grassroots level. The project focuses on educating farmers and local communities about modern irrigation methods, rainwater harvesting, watershed management, and soil-moisture conservation techniques to enhance crop yield while reducing water wastage. Additionally, the initiative emphasizes the adoption of climate-resilient cropping systems and the integration of renewable energy solutions for irrigation. By combining traditional knowledge with innovative practices, the project seeks to improve water-use efficiency, ensure food security, and strengthen the resilience of farming communities. Ultimately, this effort contributes to sustainable rural development by empowering communities to conserve natural resources while enhancing agricultural productivity and livelihoods.



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A Project Report On

## **PUBLIC AWARENESS ON REDUCE THE USAGE OF PLASTIC AND ROAD SAFETY MEASURES**

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

**BACHELOR OF TECHNOLOGY IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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BACHELOR OF TECHNOLOGY for ELECTRONICS AND

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## **Abstract**

Public awareness plays a vital role in promoting road safety and reducing plastic usage for a sustainable future. The increasing number of road accidents is mainly caused by lack of awareness, violation of traffic rules, and careless driving. Educating the public about the importance of wearing helmets, seat belts, obeying traffic signals, and maintaining vehicles can greatly reduce accidents and save lives. Similarly, the excessive use of plastic has become a serious environmental issue, leading to pollution and harm to ecosystems. Spreading awareness about the harmful effects of plastic, encouraging the use of biodegradable alternatives, and promoting recycling can help protect our environment. This project emphasizes that through collective public awareness, responsible behaviour, and strict implementation of safety and environmental rules, we can create a safer, cleaner, and healthier society.