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

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A PROJECT REPORT

ON

AGRICULTURE

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

BACHELOR OF TECHNOLOGY

ELECTRONICS AND COMMUNICATION ENGINEERING

SUBMITTED BY

BATCH-15

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D.HEMA	24U45A0409
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UNDER THE EXTREME GUIDANCE OF

Mrs. B. DHANA LAKSHMI

Assistant Professor, Department of ECE

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CERTIFICATE

This is to certify that the Project work entitled — **COMMUNITY SERVICE PROJECT - "AGRICULTURE"** is being submitted by **B.VANDHANA(24U45A0403), D.HEMA(24U45A0409), P.DIVYA(24U45A423), P.SOMESWARI(24U45A0426), K.SUBHADRA(24U45A0438)**, in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** for Electronics and Communication Engineering during the academic year 2024-2025.


Mrs. B. Dhana Lakshmi

(Asst. Professor)

(Project Guide)


Dr. P. Poorna Priya
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ABSTRACT

As part of the community service project mandated by DIET College, our team of 5 members carried out a 2 weeks project focused on agricultural practices in the village of Thummapala. The Aim was to understand local agriculture methods, promote sustainable water usage, and create awareness among farmers and knowing about efficient agricultural practices.

During the project, we conducted field visits to soil testing centers, studied various types of irrigation methods including bore wells, and observed the cultivation of different types of crops. These visits helped us understand the practical challenges faced by farmers in the region.

We organized awareness sessions for farmers on modern irrigation techniques such as drip and sprinkler systems, and explained the importance of soil health and water conservation. Additionally, we conducted interactive sessions with school children to educate them on the basics of irrigation, agriculture, and the importance of environmental conservation.

This project provided us with practical exposure to rural community engagement and helped us contribute positively to sustainable agricultural development. It also reinforced the importance of youth involvement in promoting eco-friendly practices and spreading knowledge at the grassroots level.

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COMMUNITY SERVICE PROJECT

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

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS & COMMUNICATION ENGINEERING

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This is to certify that the Project work entitled "COMMUNITY SERVICE PROJECT" is being submitted by A.MOHAN (24U41A0413), M.TEJA MANIKANTA (23U41A0438), S.PAVAN KUMAR (23U41A0456), P.DURGA PRASAD (23U41A0484), S.REVANTH (23U41A0487), K.SURESH (23U41A0489) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2024 - 2025.



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PROJECT GUIDE



Dr.P.POORNA PRIYA
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Anakapalle-531002

HEAD OF THE DEPARTMENT ECE



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.



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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

Submitted by BATCH No. 12

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Mrs. Jyothsna Panigrahi(Asst. Professor)

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in partial fulfillment of the Requirement for the award of the degree of
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Project Guide

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Head of The Department

Head of the Department
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(EXTERNAL EXAMINER)

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.



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A PROJECT REPORT ON HEALTH INTERVENTION PROGRAMMES

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

BACHELOR OF TECHNOLOGY

ELECTRONICS AND COMMUNICATION ENGINEERING

SUBMITTED BY BATCH-08

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UNDER THE ESTEEMED GUIDANCE OF

MR.R.SUNEEL KUMAR

Assistant professor, Department of ECE

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This is to certify that the Project work entitled - **COMMUNITY SERVICE PROJECT - "HEALTH INTERVENTIONPROFRAMMES"** is being submitted by **D. YAMINI (23U41A0417), D. VARSHINI (23U41A0418), K. BHAVANI (23U41A0429), L. DURGA BHANU (23U41A0434), P. SOWMYA (23U41A0446), S.CHANDRIKA (23U41A0455)** in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** for Electronics and Communication Engineering during the academic year 2024-2025.


Mr. R. Suneel Kumar

(Asst. Professor)

(Project Guide)


Dr. P. Poorna Priya
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(EXTERNAL EXAMINER)

ABSTRACT

The health intervention programme was designed to promote awareness of essential health practices within the community, focusing on preventive care, hygiene, nutrition, and overall well-being. The primary approach involved door-to-door visits, allowing the team to reach every household directly and provide practical guidance in a personalized manner. This method ensured that residents of all age groups received attention, including children, adults, and the elderly, with specific emphasis on their unique health needs.

During the visits, the team educated households on maintaining personal hygiene, proper handwashing techniques, safe drinking water practices, and environmental cleanliness to prevent the spread of diseases. Nutritional guidance, including the importance of a balanced diet rich in essential vitamins and minerals, was shared to strengthen immunity and support healthy growth. Awareness about common illnesses, vaccination schedules, oral hygiene, eye care, and seasonal precautions was also emphasized.

Visual demonstrations, examples, and interactive explanations were used to make health information easy to understand and implement. Residents were encouraged to adopt small but effective lifestyle changes to improve their health and prevent illness. By engaging families directly in their homes, the programme effectively fostered understanding, corrected misconceptions, and motivated positive behavioral changes. This initiative highlighted the significance of community-centered health awareness and laid the foundation for healthier living practices, contributing to overall public health improvement.



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A PROJECT REPORT

ON

IRRIGATION

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

BACHELOR OF TECHNOLOGY

ELECTRONICS AND COMMUNICATION ENGINEERING

SUBMITTED BY BATCH-02

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DR.B.ANJANEE KUMAR

Associate Professor, Department of ECE



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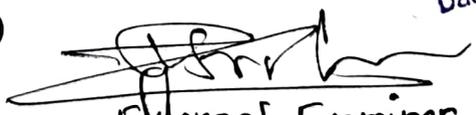
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Dr.B.Anjane Kumar
(Asst.Professor)

(Project Guide)


External Examiner


Dr.P.Poorna Priya
(Head of Department)
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Anakapalle-531002

ABSTRACT

As part of the community service project mandated by DIET College, our team of **6 members** carried out a 12-day project focused on irrigation awareness and agricultural practices in the village of **Pydiwada Agraharam**. The aim was to understand local irrigation methods, promote sustainable water usage, and create awareness among farmers and children about efficient agricultural practices.

During the project, we conducted **field visits to soil testing centers**, studied **various types of irrigation methods** including bore wells, and observed the cultivation of **different types of crops**. These visits helped us understand the practical challenges faced by farmers in the region.

We organized awareness sessions for farmers on **modern irrigation techniques** such as **drip and sprinkler systems**, and explained the importance of **soil health and water conservation**. Additionally, we conducted **interactive sessions with school children** to educate them on the basics of irrigation, agriculture, and the importance of environmental conservation.

This project provided us with practical exposure to rural community engagement and helped us contribute positively to sustainable agricultural development. It also reinforced the importance of youth involvement in promoting eco-friendly practices and spreading knowledge at the grassroots level.

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A PROJECT REPORT

ON

AGRICULTURE

Submitted in partial fulfillment of the requirements for the award of degree of
BACHELOR OF TECHNOLOGY
ELECTRONICS AND COMMUNICATION ENGINEERING

SUBMITTED BY BATCH-16

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UNDER THE EXTREME GUIDANCE OF
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DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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This is to certify that the Project work entitled — **COMMUNITY SERVICE PROJECT "AGRICULTURE"** is being submitted by **A.GOWTHAM (23U41A0401), M.HEMA SANYASI RAO (23U41A0415), M.DILEEP (23U41A036), T.VARA SOUMYA (24U45A0430), CH.TANUJA(24U45A0411), V.RESHMA(24U45A0433)** in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** for Electronics and Communication Engineering during the academic year 2024-2025.


Ms. B. Devi

(Asst.Professor)

(Project Guide)


Dr. P. Poorna Priya

(Head of Department)


EXTERNAL EXAMINER

Head of the Department
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NH-16, Anakapalle-531002

ABSTRACT

As part of the community service project mandated by DIET College, our team of **6 members** carried out a 2 weeks project focused on agricultural practices in the village of **Thotada**. The Aim was to understand local agriculture methods, promote sustainable water usage, and create awareness among farmers and knowing about efficient agricultural practices. Agriculture remains a cornerstone of the Indian economy, employing a significant portion of the population (around 42%) and contributing substantially to the GDP (approximately 18%). While its share in the overall GVA (Gross Value Added) might be seeing a structural shift towards other sectors, the primary sector (which includes agriculture, horticulture, live stock, fisheries, and aquaculture) continues to be vital for food security and rural livelihoods. Agriculture is the cornerstone of human civilization, providing the essential resources of food, fiber, and raw materials necessary for survival and economic development. Over the centuries, it has evolved from traditional subsistence farming to a technologically driven industry that supports billions of people worldwide. Modern agriculture integrates advanced techniques such as precision farming, biotechnology, sustainable practices, and data analytics to enhance productivity and minimize environmental impact. However, the sector faces critical challenges including climate change, soil degradation, water scarcity, and global food security. Addressing these issues requires a holistic approach that combines innovation, policy support, and sustainable resource management. This paper explores the historical evolution, current trends, and future prospects of agriculture, emphasizing the need for resilient and inclusive agricultural systems to ensure food sustainability for future generation.

A project report on
Prevention of Diabetes and Thyroid
BACHELOR OF TECHNOLOGY
In
ELECTRONICS & COMMUNICATION ENGINEERING

By

U.Jayasri	(23U41A0458)
Y.Anjani	(23U41A0460)
R.Gnaneswari	(23U41A0452)
V.H.IswaryaSai	(23U41A0474)
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Under the Esteemed guidance of

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

(2023-2027)



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ELECTRONICS & COMMUNICATION ENGINEERING
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This is to certify that the project report entitled “**Prevention of Diabetes and Thyroid**” submitted by U.Jayasri (23U41A0458), Y.Anjani (23U41A0460), R.Gnaneswari (23U41A0452), R.Sowjanya Pravallika (23U41A0450), V.H. Iswarya Sai (23U41A0474). 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(A), 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.

Meha S. Shoban
PROJECT GUIDE

[Signature]
EXTERNAL EXAMINER

Head of the Department
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P. Poornima
HEAD OF THE DEPARTMENT

ABSTRACT

Thyroid disorders and diabetes are among the most prevalent non-communicable diseases globally, often linked to lifestyle and dietary habits. Control strategies have increasingly focused on natural and sustainable approaches, among which organic farming has gained significant attention. This paper explores the potential role of organic farming in the control of thyroid and diabetes-related conditions.

Effective Stress Management & Thyroid and Diabetes Control

Stress management plays a crucial role in controlling thyroid and diabetes conditions. Chronic stress can exacerbate symptoms, compromise treatment efficacy, and impact overall well-being. This abstract highlights the importance of stress management techniques, such as mindfulness, exercise, and relaxation, in regulating thyroid hormone levels and blood sugar control. By incorporating stress management into their treatment plan, individuals with thyroid and diabetes conditions can better manage their symptoms, improve their quality of life, and reduce the risk of complications.



COMMUNITY SERVICE PROJECT

Project Report on

HEALTH AND HYGIENE

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

Submitted by

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Under the Esteemed Guidance of
Dr. P. Poorna Priya, Professor
Department of ECE

A.Y. 2024-25

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
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ANAKAPALLE - 531002, VISAKHAPATNAM, A.P.



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P. Poorna Priya
Dr. P. Poorna Priya
PROFESSOR
PROJECT GUIDE

P. Poorna Priya
Dr. P. Poorna Priya
PROFESSOR
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ABSTRACT

Health and hygiene are fundamental components of public health, emphasizing the importance of cleanliness, disease prevention, and overall well-being. This paper explores the intricate relationship between personal hygiene practices and health outcomes, highlighting how proper hygiene can prevent the spread of infectious diseases and improve quality of life. Key areas of focus include hand hygiene, oral health, sanitation, and the impact of hygiene education on community health standards. The study also examines challenges in promoting hygiene practices in various socio-economic contexts and the role of government and non-government organizations in addressing these challenges. Through a review of existing literature and case studies, this paper underscores the critical need for sustained hygiene interventions and education to enhance global health standards.