



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

ANANDAM PROJECT REPORT

Title of Project- Plantation

Location of Community Service- Our Neighbourhood Areas

Name of Mentor- Dr. Kashish Parwani Mam

Class/ Semester/ Batch- 1st Year/ 1st Semester/ 2022-23

Details of Group Members

S.No.	Name of Student	Mobile No.	Signature
1.	Ayush Agarwal	9829293167	
2.	Ayushi Sharma	6376907665	
3.	Bhanu Pratap	8769101065	
4.	Bhavika Jain	8078652504	
4.	Bhoomika Goswami	9649406344	
6.	Chandrakant Jangir	7678155628	
7.	Daksh Jain	8824188051	

Signature of Mentor

Date:

A decorative border with a repeating floral pattern in black, framing the entire page.

CONTENTS

Preface

Acknowledgement

Introduction of the Project

Objectives

Methodology/Procedure Adopted

Activity done and Time dedicated

Observations and Experiences

Achievements/Benefits of the project

Individual contributions of Group Members

Conclusion

Inferences

A decorative border of repeating floral motifs surrounds the entire page. The motifs are stylized, dark-colored flowers or leaves arranged in a continuous line.

PREFACE

Planting and establishing trees is all about managing air and moisture in the soil. Manage these correctly and trees will grow quickly following planting. Three of the most common causes of poor plant establishment or tree death are planting too deep, under watering, and over watering. If appropriate trees are planted at the right depth and they are irrigated properly, the planting has a good chance of success. As simple as this appears to be, problems often arise that lead to poor establishment or plant failure.

ACKNOWLEDGEMENT

We would like to express our special thanks of gratitude to Prof. (Dr.) Kashish Parwani mam as well as our principal Prof. (Dr.) V. K. Chandna sir who gave us this golden opportunity to do this wonderful project on the topic 'Plantation'.

Secondly, we would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited time frame.

Lastly, we like to thank all my supporters who have motivated us to fulfil their project before the timeline.

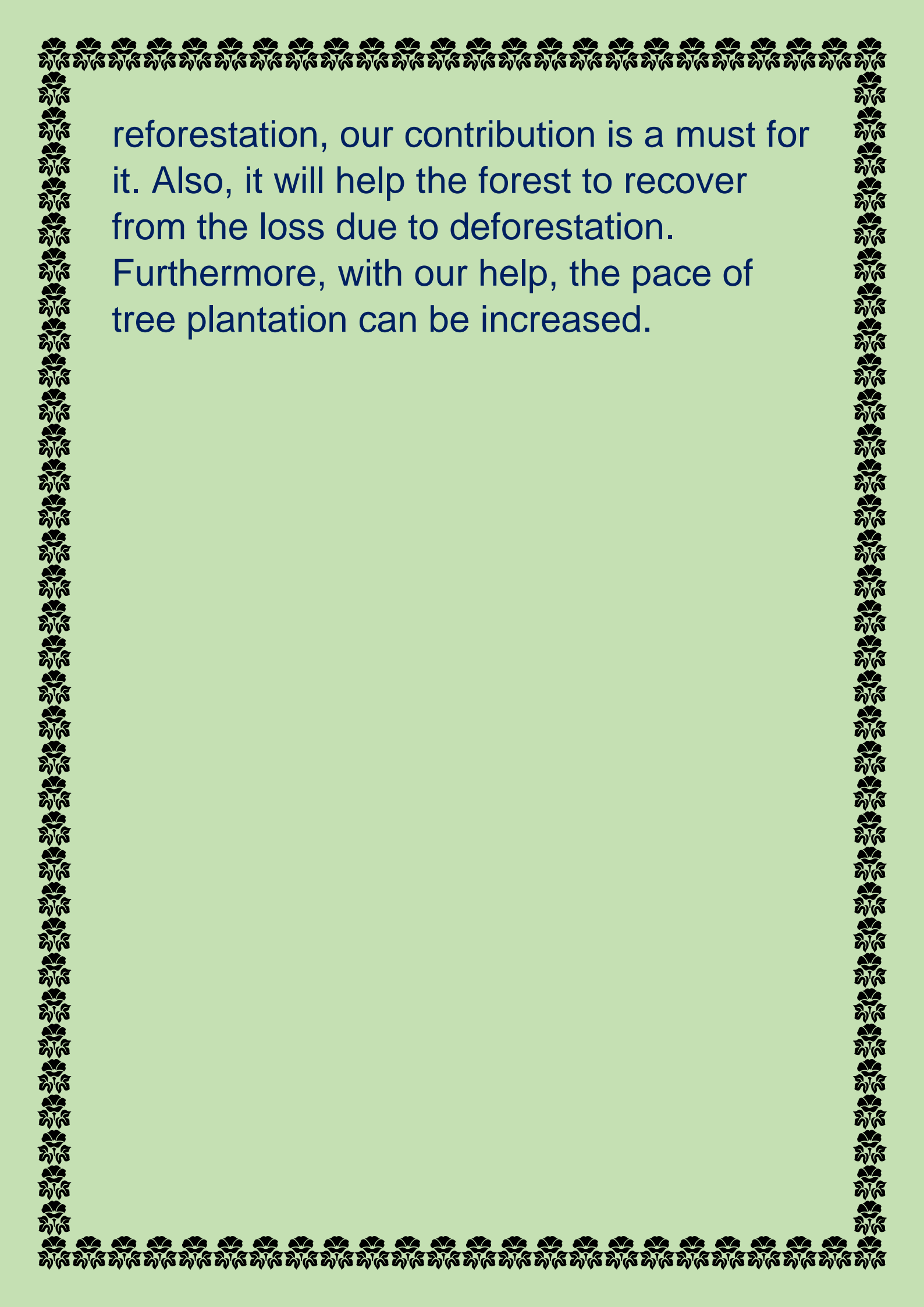
Introduction of the Project

Tree plantation is the process of transferring of seedlings from one place to another for different purposes.

Furthermore, there are various reasons behind tree plantation but the most important are forestry, land reclamation, and landscaping. Each process of tree plantation is important and unique in its own way.

The most common and known purpose of tree plantation is forestry. The forest is very important for maintaining the ecological balance of the environment of the earth. Also, earlier the forest use to cover a major part of the surface of the earth. But, now due to the rapid cut down of forest due to industries, and land for settlement the number of forests has reduced.

Apart from that, the forest grows naturally but in order to increase the speed of



reforestation, our contribution is a must for it. Also, it will help the forest to recover from the loss due to deforestation. Furthermore, with our help, the pace of tree plantation can be increased.

Objectives of the Project

- The purpose of plantations is to save the environment which is endangered and to keep alive the beauty of our life.
- Trees are god gifts of nature. They are also known as the best buddies of humans.
- As the world is facing the issue of global warming and other environmental-related problems to recover from such issues planting trees became one of the most important aspects of life today.
- It helps to maintain an eco-friendly environment around the whole world and reduces air pollution and improves the greenery.

Methodology/Procedure Adopted

- ❖ We have identified the areas in the college premises and in our neighbourhood where less plantation is seen.
- ❖ Each student has planted a tree/plant in their neighbourhoods and in college premises and will be watering them on a daily basis.
- ❖ Students have taken potted plants from the nursery to take care of them in their hostel.
- ❖ We have talked to many people and made them aware about the importance of plants and the need of plantation.
- ❖ We ensured plantation of new plants/trees where the plants/trees which are dried up/dead.
- ❖ We ensured that the daily care of existing plants/trees is being taken properly.

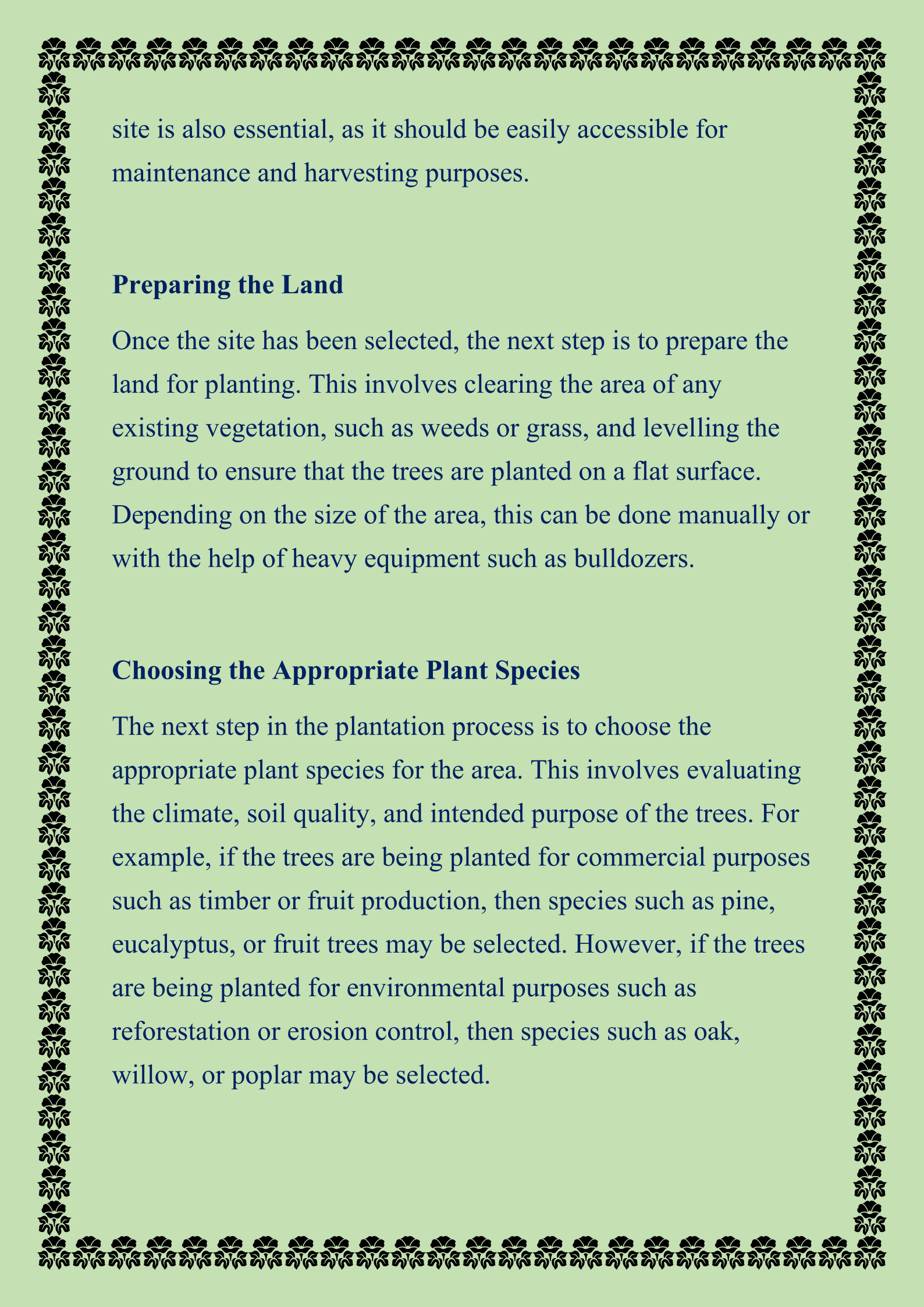
Activity done and Time dedicated

Plantation is not used a work it's a feeling or emotion with plant.

Plantation is the process of establishing and growing new trees or plants in a particular area. The plantation process involves several steps, including site selection, preparing the land, choosing the appropriate plant species, planting the trees, and caring for the trees until they are fully grown. The time it takes to complete the entire plantation process can vary depending on several factors, such as the species of trees being planted, the size of the area being planted, and the climate and soil conditions of the area.

Site Selection

The first step in the plantation process is to select the site where the trees will be planted. The site selection process involves evaluating the soil quality, climate conditions, and topography of the area to ensure that it is suitable for the trees to grow. The site should have adequate sunlight, water, and nutrients to support the growth of the trees. The location of the

A decorative border with a repeating floral pattern in black and white, framing the entire page.

site is also essential, as it should be easily accessible for maintenance and harvesting purposes.

Preparing the Land

Once the site has been selected, the next step is to prepare the land for planting. This involves clearing the area of any existing vegetation, such as weeds or grass, and levelling the ground to ensure that the trees are planted on a flat surface. Depending on the size of the area, this can be done manually or with the help of heavy equipment such as bulldozers.

Choosing the Appropriate Plant Species

The next step in the plantation process is to choose the appropriate plant species for the area. This involves evaluating the climate, soil quality, and intended purpose of the trees. For example, if the trees are being planted for commercial purposes such as timber or fruit production, then species such as pine, eucalyptus, or fruit trees may be selected. However, if the trees are being planted for environmental purposes such as reforestation or erosion control, then species such as oak, willow, or poplar may be selected.

Planting the Trees

Once the appropriate plant species have been selected, the next step is to plant the trees. This involves digging holes in the ground and placing the trees in the holes, ensuring that the roots are covered with soil. Depending on the size of the area, this can be done manually or with the help of machinery such as tree planting machines.

Caring for the Trees

After the trees have been planted, the next step is to care for them until they are fully grown. This involves providing them with adequate water, nutrients, and protection from pests and diseases. The trees should be regularly pruned to ensure that they grow straight and strong, and any damaged or diseased trees should be removed to prevent the spread of infection. The time it takes for the trees to grow and reach maturity can vary depending on the species and growing conditions, but it can take anywhere from a few years to several decades.

Observations and Experiences

It was pleasure growing plants and trees near our surroundings. We enjoyed growing different types of plants and trees like flowering plants, fruit trees, vegetable plants and some common plants and trees and taking care of them on a regular basis.

We influenced some of our friends and relatives to grow more and more plants and take care of them.

Some of the glimpses of our project are shown below-



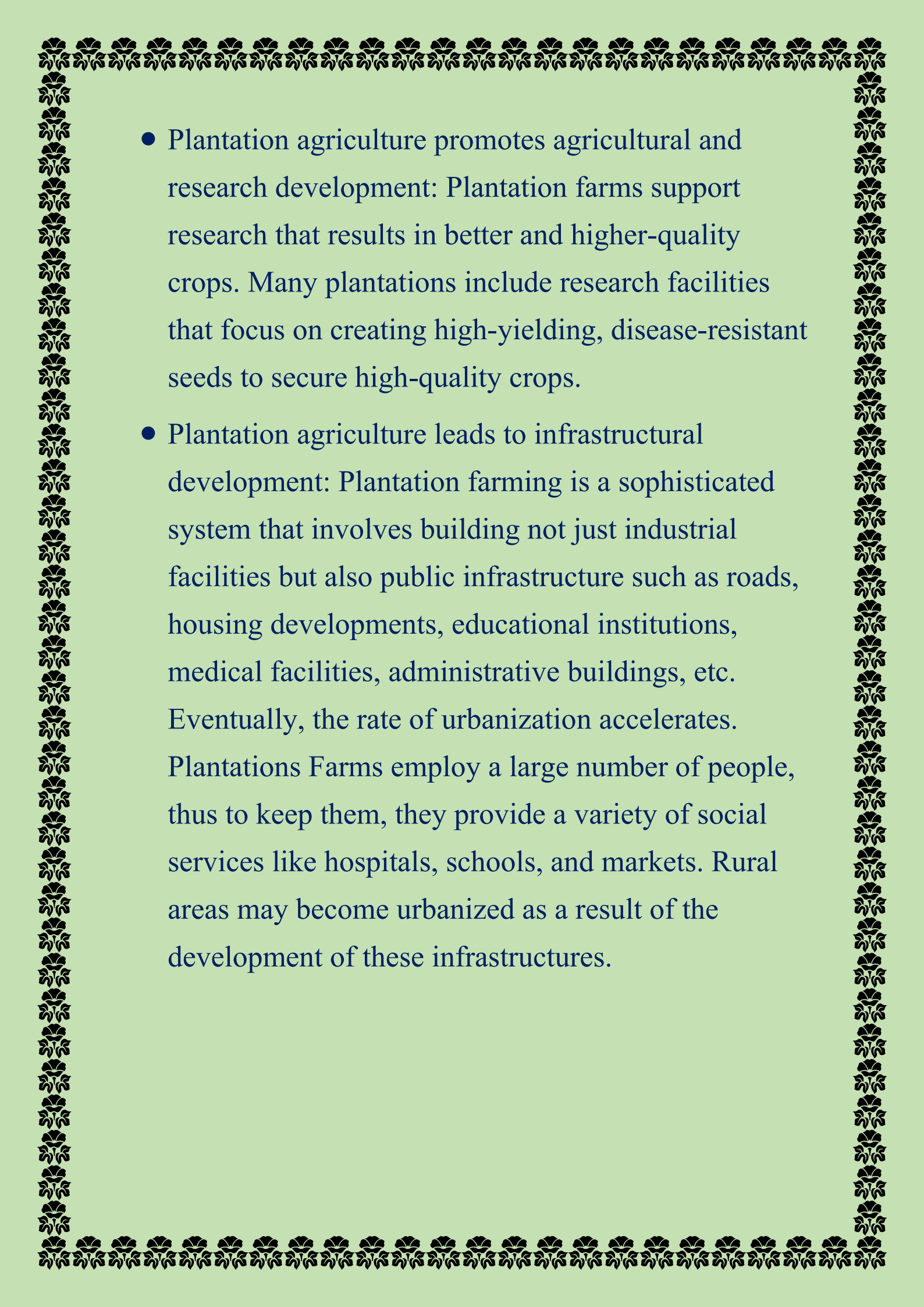






Achievements/Benefits of the Project

- Plantation agriculture is a source of employment:
Plantation agriculture leads to the generation of employment. Due to their extensive size, plantations require a huge workforce to operate various machines in both the farm and processing facilities. Consequently, plantations offer a lot of employment opportunities, raising the level of living in the regions where they are located.
- Plantation agriculture is a source of government revenue and taxes generation: When plantations sell their goods domestically and abroad, a portion of their profits are paid to the government in taxes, and the government may also receive extra income from them in the form of a skills development levy and other fees.
- Plantation agriculture leads to foreign exchange reserves: Plantation agriculture provides a positive surge of high foreign exchange reserves.

- 
- A decorative border with a repeating floral pattern in black and white, framing the entire page.
- Plantation agriculture promotes agricultural and research development: Plantation farms support research that results in better and higher-quality crops. Many plantations include research facilities that focus on creating high-yielding, disease-resistant seeds to secure high-quality crops.
 - Plantation agriculture leads to infrastructural development: Plantation farming is a sophisticated system that involves building not just industrial facilities but also public infrastructure such as roads, housing developments, educational institutions, medical facilities, administrative buildings, etc. Eventually, the rate of urbanization accelerates. Plantations Farms employ a large number of people, thus to keep them, they provide a variety of social services like hospitals, schools, and markets. Rural areas may become urbanized as a result of the development of these infrastructures.

Individual contribution of Group Members

- All the group members have contributed their best in this activity. How much time and value they can give to this activity they have given!! All the members have contributed their precious time which is a great thing and during this activity there was a great bonding among the group members, all working together without any discrimination.
- Basically we all have divided our work so that one person doesn't feel the whole burden.
- The work was divided like one has typed all the matter, one has taken printout, two of the people have discussed the content and one of the members has decorated the report file and the matter.

In conclusion, I want to conclude that all the group members have contributed their best.

CONCLUSION

Plantation is a complex process that involves several steps, including site selection, preparing the land, choosing the appropriate plant species, planting the trees, and caring for them until they are fully grown. The time it takes to complete the entire process can vary depending on several factors, such as the species of trees being planted, the size of the area being planted, and the climate and soil conditions of the area. However, with proper planning and care, a plantation can provide numerous benefits, including timber and fruit production, environmental protection, and erosion control.

INFERENCE

From the project we gained knowledge about a variety of plants and trees and their various properties. We get to learn about suitability of different soils for a variety of plants, different climatic conditions that are required for the plant growth and other various conditions.

Every one of us planted a tree/plant and took daily care of it like watering it regularly, providing good soil for its growth, maintaining it and keeping it healthy.

We also made our friends and relatives adopt a plant and take care of it daily.

In the end, plants are essential components of the world and they should be preserved for our future generations.

Thank You