COMMUNITY DEVELOPMENT PROJECT

ON

ADOPT A PLANT

Submitted by
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IN PARTIAL FULFILMENT FOR THE REQUIREMENTS OF THE AWARD OF THE DEGREE OF ADOPT A PLANT

LOVELY PROFFESIONAL UNIVERSITY
PHAGWARA,PUNJAB

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LOVELY PROFESSIONAL UNIVERSITY

Transforming Education Transforming India

GROW-TREES!

grow with trees offset with trees

Mohammed.A

Honoured With

A Grove Of 10 Trees

At Trees for Tigers, Sundarbans National Park, West Bengal, India

June 01, 2022

B

Regarding Community Development project as Summer Workshop For 5 Weeks

We would like to Appreciate You and Your College For an Encouragement of Such Activities.Reference College Id - Lovely Professional University , Punjab

Locate Your Tree-Project

Certificate No: 3556414

See on Map

Project

Download and Print Pdf

AIM OF THE PROJECT

GROW-TREES
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Enhancement of Biodiversity

Reduction of Man-Animal Conflict

Disaster Mitigation

Generation of Rural Employment

Improvement of Wildlife Habitats

GUIDLINES BY COLLEGE

1.These projects can be done by the students from their homes as well, maintaining the sanity & main objective of the project.

2. The students will be required to submit a Project Report with the proofs & evidences of activities done by them under the selected project.

3.The students who have opted for CDP under DSW, LPU option will be awarded a Certificate of Completion of the project from the Department of Community Services under the aegis of Division of Youth Affairs, Student Welfare (Wing), LPU after verifying the student's Project Report.

4.In case DSW, LPU is not satisfied with the Project Report and the evidences provided by the student then DSW, LPU would hold the right to not provide the completion certificate to the student.

5.The students will have to complete the at-least 4 weeks or 30 hrs for the selected project and thereby, submit the report with evidences of the same.

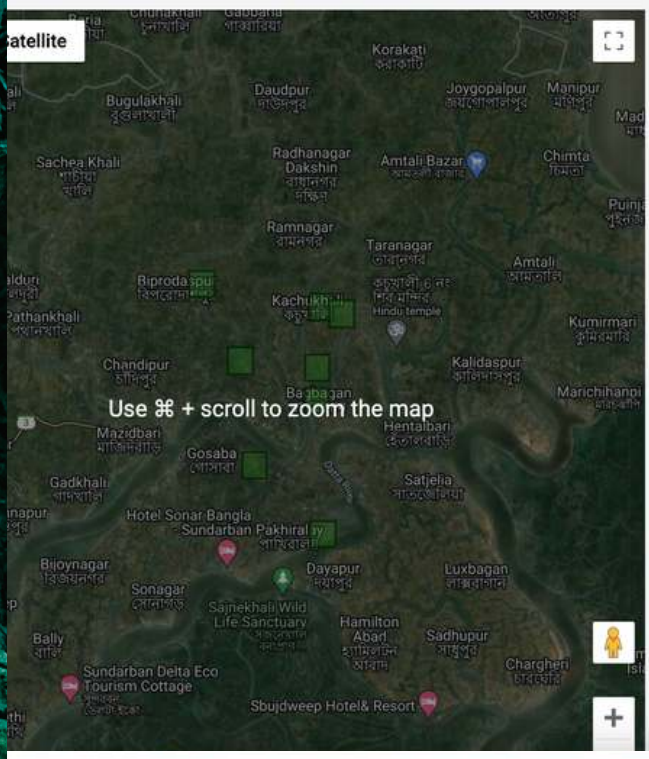
LEARNING OBJECTIVES

- Students will understand basic principles, processes and functions of plant growth and reproduction, including photosynthesis, respiration, transpiration, vegetative growth and reproductive growth, fertilization and fruit formation.
- Students will be able to identify soil types and will be able to identify ways to improve soil fertility as well as reduce soil erosion and improve water quality and availability.
- Students will be able to apply their knowledge to solve problems related to plant growth, crop production and natural resource management.
- Students will understand how to propagate herbaceous and woody plans by seed, cuttings, micropropagation, grafting, budding and layering.
- Students will have a greater knowledge of how horticulture relates to the economy and environment, both currently and in the future.
- Students will be able to find detailed information on a topic from print as well as online information sources.
- Students will work with others to coordinate activities to achieve group/team objectives.

ABOUT THE LOCATION

GROW-TREES

See on Map



Location : Sundarbans National Park, West Bengal, India

User Name : B

Recipient Name : Mohammed.A

No of Trees : 10

Occasion : Regarding Community Development project as Summer Workshop For 5 Weeks

Gift date : Jul 9 2022

Sharing URL : https://tr3.in/l2485a

The plantation project is implemented in 2 parts, one part in the area between Satjeli Bazar to Mitrabari Khey Ghat and the second part in the area between Sukumari Kheya Ghat to Anpur Village at the periphery of Sundarbans National Park, South 24 Parganas, West Bengal, India.

6. ABOUT THE PROJECT

GROW-TREES
greet with trees offset with trees

PROJECT PURPOSE

Trees for Tigers™

Sundarbans National Park, West Bengal, India

591,997 Trees planted 9% remaining

650,000 Trees Target

Plant Now

7. WHY TREES ARE IMPORTANT

- Why Trees?
- Mangroves form the most important and unique feature of this area with their ability to thrive both in dry as well as flood-like conditions. Due to the presence of both saltwater and freshwater, both types of plants are present and support the habitat in their own unique way. The trees provide habitat continuation and form links in the area to prevent habitat isolation for the Tigers, categorised as endangered in the IUCN red list (The IUCN red list of threatened species, 2011), apart from providing shelter and enabling them to camouflage. (Habitat Use by Tigers in the Mangrove Forests of the Sundarbans)

- Studies have found that land loss due to rising sea levels and erosion is causing the displacement of rural communities (entire villages in some cases) and exacerbating poverty. The loss of mangrove cover in the area is alarming, especially in the Gosaba block, which forms the primary project area. Climate change, sea level rise, sediment starvation, all have contributed to land loss and thus loss of forest cover. (Singh, Climate change impact: Sunderbans steadily losing its famed mangroves, 2017) Sucharit B Neogi et al. talks about the role of mangroves in food security, containing the effect of storm surges and tsunamis, creating livelihood opportunities, CO_2 sequestration, sediment trapping, nutrient recycling, etc.

8. ABOUT TREES SPECIES

- Tree Species
- Jat baen (Avicennia officinalis), Kankra (Bruguiera gymnorrhiza), Garjan (Rhizophora apiculata).

9. PLANT GROWTH STAGE

- Sprout - Each seed contains a small parcel of nutrients that is all they need to germinate and begin growing their first pair of leaves.

- Seedling - As plants' roots develop and spread, a boost of quickly absorbed, well-balanced nutrients fuels the rapid growth from spindly seedling to healthy plant.

- Vegetative - Nitrogen is a key component of chlorophyll, the green pigment in plants, so it's the critical nutrient when their energy is focused on growing stalks and foliage.

- Budding - Phosphorus is in extra high demand at the start of a plant's reproductive cycle, the transition from growing leaves to forming buds.

- Flowering - Potassium plays a primary role in producing and transporting the sugars and starches plants use up as they develop healthy flowers and fruit.

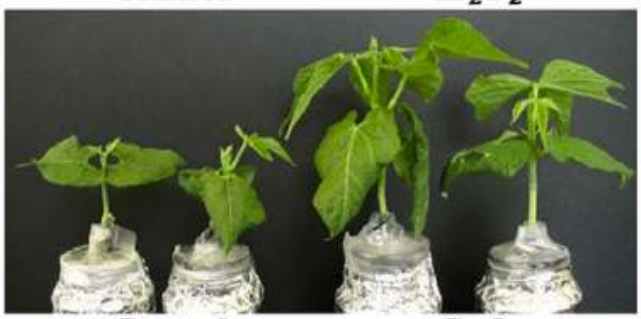
- Ripening - When flowers and fruit are verging on full maturity, they need a week or two of just water without nutrients, a process known as "flushing," so they can use up all the nutrients they have already absorbed.

10. CONDITIONS FOR PLANT GROWTH

- Why do you not try to write down what you think are necessary conditions for growth? This list may have water, oxygen and nutrients as very essential elements for growth. The plant cells grow in size by cell enlargement which in turn requires water. Turgidity of cells helps in extension growth. Thus, plant growth and further development is intimately linked to the water status of the plant. Water also provides the medium for enzymatic activities needed for growth. Oxygen helps in releasing metabolic energy essential for growth activities

Control H_2O_2

Control MgO_2



Control CaO_2

Control Vit K_3

11 . SOME OPTIONS TO GROW TRESS FROM YOUR SEEDS

- Generally speaking, there are two ways to grow tree seeds: the natural way, which often includes sowing the seeds outside in autumn, or through “assisted” germination, which is initially done indoors.

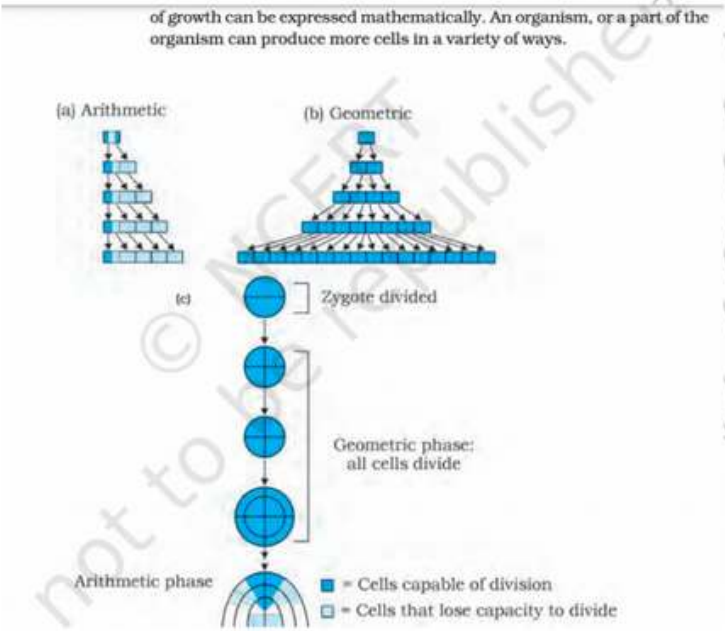
The natural way to grow tree seeds
Seeds have been sprouting into trees for an extremely long time without any help from humans. Just look at your local forest and it can help show you the way.
The “natural way” to germinate tree seeds is to allow nature to take its course. Most seeds, when sown in autumn without any pre-treatment, will begin to germinate the following spring. It can’t get easier than that…
With autumn planting, seeds are planted outside, sometimes directly in the ground, but more often in containers, before the temperatures fall below 8° C/45° F.

MIMIC NATURE AND ASSIST THE SEEDS GROW

- Although natural germination is a great way to start most tree seeds, you can often achieve better and more consistent results through “assisted” germination.
- Basically, this means using various techniques to mimic the role nature plays in causing tree seeds to germinate.
- In this way, you can control when your seeds germinate by initiating the pre-treatment and stratification at precisely the right time.
- However, first you’ll need to know what kind of treatment your seeds require

12. HOW TO MEASURE THE GROWTH OF PLANT

- Calculate the average using the growth rate formula. You can see the average daily growth rate by taking the change in size and dividing it by the amount of time it has been growing.
- The equation for the growth rate formula is {\displaystyle {\frac {(S2-S1)}{T}}}where S1=first measurement, S2=second measurement, and T equals the number of days between each.[3]
- This is an extremely general figure. Plant growth rate is extremely fluid and can be subject to major variations day by day. Currently, there is no way to accurately predict exact daily growth rate without the use of sophisticated laboratory equipment.



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13. HOW TO PROTECT YOUR PLANT GROWTH

- During the stages of plant growth, you can focus on getting the best results at the end of the season by utilizing an arsenal of tools to defend your plants against pests and diseases.

- Between the stages of vegetation and ripening, your plants might be attractive to different pests. Put our Safer® Brand 3-in-1 Ready to Use Garden Spray into action during these stages. Not only does this spray control fungus and disease, but it kills insects on contact. It's safe to use on flowers, fruits, trees, and other vegetation.

- Or, you can use our Safer® Brand Ready to Use Fungicide, which will kill insects at any stage of life (eggs, larvae, and adults), plus prevents and eliminates black spot, mildew, and rust. You can use this convenient spray on flowers, fruits, trees, shrubs, and house plants.

- It's important to pay attention to the ripening stage of your plants, as you don't want ready-to-harvest vegetables to get sabotaged in the last growth stage! When you start to see your fruit and vegetables appear, you can apply some Safer® Brand Insect Killing Soap, which will kill soft bodied insects on contact. This product can be used safely up until the day of harvest.

14. MY LEARNING IN THIS PROJECT

- First of all i want to thank To GROW TREE AS THERE TEAM Members ARE VERY SUPPORTIVE
- IN these 4 week of Program i Learn so many things about tress and come to know the each and every details of plant growth
- In the first week they teach us that why tress are important for our wildlife and environment
- at the end of the week they had offer me a lots of projects to choose where should i want to plant a tree
- in the starting of 2nd week i started planting a treee for the Trees for Tigers™ -Sundarbans National Park, West Bengal, India
- Then in 3rd and 4th week we plant a tree learn many things like about growth of the plant potential of trees and the way we are hurting the nature is more hilarious .
- We taught life skills through tree planting and gardening. Students learned responsibility by caring for the plants
- They also teach us about many challenges like After a tree is planted, the most important aspect of care is to ensure it receives plenty of water. Challenge students to design a catchment or irrigation system to ensure that a tree receives the water it needs.
- At last but now the least I enjoyed the session very much and wish to do more projects in upcoming vacations

THANK YOU

Thanks for your wonderful communication and support throughout the project. I learned a lot and enjoyed working together with your [Grow Tree].