



Program Book

Community Service Project

AP STATE COUNCIL OF HIGHER EDUCATION
(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

A COMMUNITY SERVICE PROJECT REPORT
ON
TREE PLANTATION

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

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING



Submitted by

Name of the student: KONDAPALLI SAIKUMAR Register number: 21F21A0587

Under the esteemed guidance of

Ms. T.SHOBHA M. Tech

ASSISTANT PROFESSOR

DEPARTMENT OF COMPUTER SCIENCE&ENGINEERING

GATES INSTITUTE OF TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTUA & Accredited by NAAC)
N.H-44, Gooty Anantapuramu (V), Anantapur (Dist.), Gooty-515401, A.P

**Program book
For
Community service project**

Name of the Student : KONDAPALLI SAI KUMAR

Name of the College : GATES INSTITUTE OF TECHNOLOGY,GOOTY

Registration Number : 21F21A0587

Period of Csp : 8 WEEKS From:30/04/2023 To:24/06/2023

Name & Address of the Community/Habitation : SIDDARAMPURAM, SRI SATHYA SAI (district)

Community Service Project

Report Submitted in accordance with the requirement for the degree of.....

Name of the College : GATES Institute of Technology, Gooty
Department : Computer Science & Engineering (cse)
Name of the Faculty Guide : MS T.SHOBHA
Duration of the CSP : 8 Weeks From: 30/04/2023 To: 24/06/2023
Name of Student : KONDAPALLI SAI KUMAR
Programme of Study : II-B.TECH II-SEM (2021-2025)

Register Number : 21F21A0587

Date of Submission: 19/07/2023

Student's Declaration

I KONDAPALLI SAI KUMAR is a student. The program, Reg. No : 21F21A0587 of the Department of COMPUTER SCIENCE AND ENGINEERING (CSE), GATES INSTITUE OF TECHNOLOGY College do hereby declare that I have completed the mandatory community service from 30/05/2023 to 24/06/2023 in "TREE PLANTATION" (Name of the community Habitation) under the Faculty Guideship of Ms. T. SHOBHA (Name of the Faculty Guide), Department of COMPUTER SCIENCE & ENGINEERING (CSE) in "GATES INSTITUE OF TECHNOLOGY" College".


(Signature and Date)

Endorsements

Faculty Guide:  18/07/23

HEAD
Dept. of Computer Science & Engineering
Head of the Department: GATES Institute of Technology,
NH-44, GOOTY - 515 401,
Ananthapuramu (Dt.)

Principal:


Principal
Gates Institute of Technology,
N.H.-44, Gooty Anantapur (V)
Gooty - 515 401.

Certificate from Official of the Community

This is to certify that **KONDAPALLI SAI KUMAR**, Reg. No 21F21A0587 of **GATES INSTITUTE OF TECHNOLOGY** underwent community service in "TREE PLANTATION" from 30/04/2023 to 24/06/2023

The overall performance of the Community Service Volunteer during his/her community service is found to be **GOOD**



Authorized Signatory with Date and Seal

ACKNOWLEDGEMENTS

We are very much thankful to our beloved Correspondent Smt **V.K.Padmavathamma** Garu for providing the necessities in completion of the course.

We wish to thank Sri G. Raghunatha Reddy sir our beloved managing director & Smt. **V.K. Srivani** mam provides us all facilities that are required for our project.

We cordially thank to our principal Smt. **Dr. Syed Suraya M.Tech., Ph.D** for providing the necessities in completion of the project.

We wish to thank our HOD Mrs.P.Namratha Ph.D for providing us all facilities that are required for completing our project.

We express our sincere thanks to our project guide Ms. **T. Shobha M.Tech** of Computer Science & Engineering department, GATES Institute of Technology, Gooty, Anantapur, Without innovative and imaginative approach, regular monitoring and timely advice, this project would never have been realized.

We thank our teaching and non-teaching staff of the department of Computer Science & Engineering department, GATES Institute of Technology , Gooty, for their constant coooperation for completion of the project.

CHAPTER - 1

EXECUTIVE SUMMARY

Tree planting is the process of transplanting tree seedlings, generally for forestry, land reclamation, or landscaping purpose. It differs from the transplantation of larger trees in arboriculture, and the lower cost but slower and less reliable distribution of tree seeds.

In silviculture, the activity is known as reforestation, afforestation, depending on whether the area being planted has or has not recently been forested. It involves planting seedlings over an area of land where the forest has been harvested or damaged by fire, disease, or human activity. Tree planting is carried out in many different parts of the world, and strategies may differ widely across nations and regions and among individual reforestation companies. Tree planting is grounded in forest science, and if performed properly can result in the successful regeneration of a deforested area. The Reforestation is the commercial logging industry's answer to the large - scale destruction of old-growth forests, but a planted forest rarely replicates the biodiversity and complexity of a natural forest.

OBJECTIVES:

plantations are cotton, sugarcane, coffee, rubber and tobacco. iii. Estate farming is an outstanding feature of plantation agriculture.

- (i) It is single-crop farming practiced in a large area.
- (ii) Crops are mainly grown for the market.
- (iii) It is both labour-intensive and capital-intensive
- (iv) It has an interface of agriculture.
- (v) Developed network of transport and communication connecting the plantation processing industries and markets play an important role in the development of plantations.

OUTCOMES:

The major outcome of the plantation movement is that the workers on the plantation got their free lands near to their families as a part of the independence movement.

Economic Benefits:

Five characteristics of plantation farming:

Well-placed trees can reduce your cooling costs in the summer by shading the south and west sides of your home. If deciduous trees are used, they will allow the sun to pass through and warm your home in the winter.

Evergreen trees on the north side of your home and shrubs around the foundation of your home can act as a windbreak to reduce the cooling effects of winter winds.

The value of a well-landscaped home with mature healthy trees can be as much as 10% higher than a similar home with no or little landscaping. (Topping will reduce the value of your trees) Some indirect economic benefits of trees are that if we reduce the energy, we use then utility companies will have less demand

placed on the infrastructure, thus reducing operating costs which can be passed on to the consumer.

CHAPTER - 2

OVERVIEW OF THE COMMUNITY

How to Plant Flowers and Care for them to Ensure a Healthy Garden.

Step 1: Right Place, Right Plant

Do the plants you've picked out need sun, shade, or a combination of both? Start by arranging your plants so they're in a spot where they'll get the kind of light they prefer (plants that like the sun should be out in the open, plants that need shade should go in a spot where they'll have some cover). Full sun is six hours or more of direct sun per day, not necessarily continuously. Part shade typically means four to six hours of sun per day. Shade definitions vary depending on how deep the shade is in her Dappled shade gives a lot more light than deep shade, for example.

Step 2: Dig the Soil

Beautiful flower gardens start with healthy soil. In general, most flowering plants do best in loose and well-drained soil with a lot of organic material. You don't need to dig a large area to plant flowers, but you should dig enough soil so that you can add some compost to improve the soil structure and add nutrients.

Avoid digging or handling soil when it's wet to prevent compaction. Plants need a certain amount of space between soil particles for roots to grow. One test is to dig a small soil sample from a 3-inch hole to see if soil can be worked. Squeeze it into a ball, then toss the soil onto a hard surface such as a rock or pavement. If the soil stays together, it's too wet for planting, but it's time to plant if it shatters.

CHAPTER – 3

COMMUNITY SERVICE PART

Need of plants:

Plants have specific needs - light, air, water, nutrients, and space - to survive and reproduce.

Almost all plants need these five things to survive

- Light
- Air
- Water
- Nutrients
- Space to grow

Plants usually get the light they need from the Sun. But they can also grow in artificial light. Plants use light energy to make a type of sugar called glucose. They use glucose as their energy source. Plants make glucose in a part of their leaf cells called the chloroplast. Each chloroplast contains a green pigment called chlorophyll. It's what allows the plant to absorb light energy. Plant cells with visible chloroplasts. The chloroplasts are the roundish, bright green ovals (**Source Dr. phil.nat Thomas Geier, Fachgebiet Botanik der Forschungsanstalt. Geisenheim**)

Plant cells with visible chloroplasts. The chloroplasts are the roundish, bright green ovals (**Source: Dr. phil.nat Thomas Geier, Fachgebiet Botanik der Forschungsanstalt Geisenheim [CCBY - SA 3.0] via Wikimedia Commons**). If a plant doesn't receive enough light, it will grow very slowly. But too much light can cause the plant and the soil it lives in to dry out. Different plants have different light requirements. Some need bright or direct light.

Others can thrive in dimmer or indirect light.

Misconception Alert

Almost all plants need light to survive but there are a few special exceptions. Some parasitic plants like the corpse lily do not have chlorophyll and only get their energy by stealing it from other plants.

Air

Air contains many gases. They include nitrogen, oxygen, carbon dioxide and water vapour.

Graph showing the percentages of the different gases that make up air

Graph showing the percentages of the different gases that make up air (**Source: Let's Talk Science using an image by Life of Riley [CC BY-SA 3.0] via Wikimedia Commons**).

Graph - Text Version

Using energy from light, plants chemically combine carbon dioxide and water to create glucose and oxygen. This process is called photosynthesis.

Plants also absorb oxygen gas from the air. Like animals, plants need oxygen to respire. Respiration is the process of breaking down molecules, like glucose, for energy.

Misconception Alert

Sometimes people think that plants use heat from the Sun for photosynthesis. Photosynthesis uses the Sun's light energy, not its heat energy. Plants can photosynthesize in both warm and cold places. In fact, different plants have evolved to grow in different climates all around the world!

Water

Plants need water for photosynthesis. Absorbed by the roots, water travels through a plant's stems to the chloroplasts in the leaves. Water also helps move nutrients from the soil into the plant. Too little water can cause a plant to wilt or droop. Too much water can cause a plant's roots to rot.

The plant on the left (a) looks wilted, whereas the plant on the right (b) looks healthy. The plant on the left (A) looks wilted, whereas the plant on the right (B) looks healthy.
(Source: CNX OpenStax [CC BY 4.0] via Wikimedia Commons).

Misconception Alert

can absorb small amounts of water through their leaves.

Plants But they get most of the water they need through their roots.

Nutrients

Nutrients are substances that nourish a plant. In particular, plants need nitrogen, phosphorus and potassium. When dissolved in water, these nutrients get absorbed by a plant's roots. If a plant can't get the nutrients it needs from the soil, fertilizer can help. Fertilizer provides plants with essential nutrients and helps them grow faster. Space to Grow

All living things need space. A plant's roots need space so that they can spread out and absorb water and nutrients. Its leaves need space so that they access light. When plants grow too close together, they have to compete for these resources.

Conclusion:

Have the students look at their work that they did to see how beautiful their work is Also, at the end of the project the predetermined area will have beautiful flowers planted to make the school or other building look nice and pretty. The students that participated in the project will have a better since of how to plant and

ACTIVITY LOG FOR THE First WEEK

Name: KONDAPALLI SAIKUMAR

Roll Number: QIF21A0587

Title: Tree plantation.

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	Person In-charge Signature
Day -1 01/05/2023 MONDAY	Selecting the Community service project	choosing the CSP project	
Day -2 02/05/23 TUESDAY	Discussing with Mentor about project title	selection of project title	
Day -3 03/05/23 WEDNESDAY	Discussing about esp project with team members	Can get some idea about how to do it	
Day -4 04/05/23 THURSDAY	Selecting and submitting the project title to the Mentor	Submission of title name	
Day -5 05/05/23 FRIDAY	Discussing with our Mentor about the project	Can get some idea about how to do it.	
Day -6 06/05/23 SATURDAY	Making Problem statement	Identify the problem	

WEEKLY REPORT

First Week-1 - (From Date : 01/05/23 to Date: 06/05/23)

Objective of the Activity Done:

Detailed Report:

Me and My team han discussed about the Community service project with our Mentor.

- * Community service project Meant our project has to relate to the Society. In our society there are Many issues.
- * We searched for the major problem faced by the people and it is pollution.
- * Regarding this we had selected the topic "Tree plantation" which is Meant by Reforestation.
- * So, we Decided to give the awareness for people about pollution.
- * I met the Mentor to finalise the title of the esp project that me and My team were selected.

ACTIVITY LOG FOR THE SECOND WEEK

Name: KONDAPALLI SAI KUMAR

Roll Number: 21F21A0587

Title: Tree plantation

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	Person In-charge Signature
Day -1 08/05/23 MONDAY	Discussing about how to implement the project	Can't get some idea about the project for implementation	SKS
Day -2 09/05/23 TUESDAY	Identifying the types of to be planted	Trees like medicinal plants, fruit trees flower trees etc--	SKS
Day -3 10/05/23 WEDNESDAY	Discussing about the requirements for the project	Tools & requirements can be gathered for plantation	SKS
Day -4 11/05/23 THURSDAY	Taking suggestion with Mentor	Can get the overview that how to implement plantation.	SKS
Day -5 12/05/23 FRIDAY	Discussed about when to start the project	Deciding the date to implement project.	SKS
Day -6 13/05/23 SATURDAY	Then have decided to give the awareness for about tree plantation	They also know the how importance of plant in society	SKS

WEEKLY REPORT

Second week -2 - (From Date : 08/05/23 to Date: 13/05/23)

Objective of the Activity Done:

Detailed Report:

we have discussed about how to implement the project and what are the requirement that are needed for plantation.

* I had identified Different types of tree through internet.

* And had made research on trees I had known about Different types of trees and benefits of trees.

* we had discussed with our Mentor about the project and how to implement the project and about details of the project

ACTIVITY LOG FOR THE THIRD WEEK

Name: KONDAPALLI SAIKUMAR

Roll Number: 21F21A0587

Title: Tree plantation

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	Person In-charge Signature
Day -1 15/05/23 MONDAY	I had given the information to our volunteer about the project.	I can get some help from the volunteer for our project.	
Day -2 16/05/23 TUESDAY	I went to the nursery to bring the trees with my father	To plant various trees	
Day -3 17/05/23 WEDNESDAY	I had selected the places where to plant the trees.	Choosing the planting site	
Day -4 18/05/23 THURSDAY	I had chosen places where trees are needed in my village	Choosing the planting site	
Day -5 19/05/23 FRIDAY	I gathered all the tools needed for plantation.	To arrange the required equipment	
Day -6 20/05/23 SATURDAY	Making Problem Statement	Identify the problem.	

WEEKLY REPORT

THIRD-WEEK-3 - (From Date : 15/05/23 to Date: 20/05/23)

Objective of the Activity Done:

Detailed Report:

This week went to the Bring the trees for the project. I had seen in the nursery that there are several trees and different types of trees are there.

* I Bought some trees which gives fruits, shelter, shadow when they grown up.

* I had made available all the tools and requirements that are needed for plantation.

* I Bought Apricot tree, Neemtree, Almond tree and soon for the project Tree plantation.

ACTIVITY LOG FOR THE FOURTH WEEK

Name: KONDAPALLI SAIKUMAR

Roll Number: QIF21A0587

Title: Tree plantation

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	Person In-charge Signature
Day -1 22/05/23 MONDAY	I went to the site where I wanted to plant the trees.	site with good soil makes plants grow fastly.	
Day -2 23/05/23 TUESDAY	I had make the site available to plant.	place / site should be available to plant trees.	
Day -3 24/05/23 WEDNESDAY	I had also Decided to plant trees in my school	So that children can play in the ground with help of the trees shade	
Day -4 25/05/23 THURSDAY	I had bring awarness to the school children	children are more enthusiastic for thin activities	
Day -5 26/05/23 FRIDAY	I had Bring awarness to my neighbour and village people.	so, that they also plant trees so much as they possible.	
Day -6 27/05/23 SATURDAY	They have Decided to give the awarness for people about tree plantation	They also know they how importance of plant in society	

WEEKLY REPORT

FOURTH WEEK-4 - (From Date : 22/05/23 to Date: 27/05/23)

Objective of the Activity Done:

Detailed Report:

I had selected the planting site with good soil where plants can grow healthy and easily. And also that site should be safe for plants growth. The planting site shouldn't in the vehicle travelling area.

- * I had decided to plant trees in my school which resides in my village SIDDARAMPURAM.
- * Planting trees in schools is very useful for children. so that children can play under the shade of tree in the ground.
- * I had being awarness Among the people in my area. And with help of our Volunteer I also had brought awarness in some more people in other areas.

ACTIVITY LOG FOR THE FIFTH WEEK

Name: KONDA PALLI SAI KUMAR

Roll Number: 21F21A0587

Title: Tree plantation.

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	Person In-charge Signature
Day -1 <u>29/05/23</u> MONDAY	I had planted trees in selected sites	Plantation is Done in selected Areas.	
Day -2 <u>30/05/23</u> TUESDAY	I went to my school to ask our H.M sir to plant trees in school.	Our H.M sir gave permission to plant trees.	
Day -3 <u>31/05/23</u> WEDNESDAY	I planted some trees in my school with help of children/parents.	so that children can aware of planting trees.	
Day -4 <u>01/06/23</u> THURSDAY	I had taken the help of volunteer to plant more trees	Volunteers are aware of areas in villages. It will be helpful	
Day -5 <u>02/06/23</u> FRIDAY	I had planted trees in my local areas.	when they grow up. It gives shelter to the surrounding people.	
Day -6 <u>03/06/23</u> SATURDAY	I had helped some children to plant trees who wanted to plant near their houses.	children can get some knowledge about planting.	

WEEKLY REPORT

FIFTH WEEK-5 - (From Date : 21/05/23 to Date: 03/06/23)

Objective of the Activity Done:

Detailed Report:

plantation has done in this week.

I had planted some trees in my local area, and in my school

My parents and some peoples are helped me in planting trees. Neighbours come forward to also plant trees. Near their houses and other places.

I went to my school to plant trees, There were some children playing in the ground some children come forward to help me in planting.

*In this way I had done plantation for this week

I had told the importance of trees for my parents, elders, neighbours and children.

I think somehow they are awarneed of planting trees by me.

ACTIVITY LOG FOR THE SIXTH WEEK

Name: KONDAPALLI SAIKUMAR

Roll Number: 2IF21A0587

Title: Tree plantation.

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	Person In-charge Signature
Day -1 05/06/23 MONDAY	I had taken care of plant by watering them	small plants should be protected from heavy air and sun.	
Day -2 06/06/23 TUESDAY	I had bring the fence to keep it around the trees.	small children can't be able pluck the trees.	
Day -3 07/06/23 WEDNESDAY	I had bring the fertilizers for the trees.	they provide nutrients for the plants.	
Day -4 08/06/23 THURSDAY	I had maintain the humidity level to the plants.	It keeps the plants healthy	
Day -5 09/06/23 FRIDAY	I had Done the pruning of plants.	Helps the fresh branches to grow	
Day -6 10/06/23 SATURDAY	I had visited the trees, I planted to see whether they are safe or not.	Newly planted trees should be protected	

WEEKLY REPORT

SIXTH WEEK - 6 - (From Date : 05/06/23 to Date: 10/06/23)

Objective of the Activity Done:

Detailed Report:

- * This week I had taken care about the newly planted trees after the plantation has done.
- * I had watered trees daily.
- * I had protected the trees by "mulching". It acts as an insulator to keep soil temperatures higher which is one way to keep trees warm in winter.
- * Newly planted trees should be protected until they grown up.
- * I had taken care about plants by following some methods like "watering, removing weeds and vines from trees, by keeping tree tubers and the propuse, spacing, pruning of plants" etc--

ACTIVITY LOG FOR THE SEVENTH WEEK

Name: KONDA PALLE SAIKUMAR

Roll Number: RF21A0587

Title: Tree plantation.

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	Person In-charge Signature
Day -1 <u>12/05/23</u> MONDAY	watering the plants.	I had watered the plants .	<u>LSA</u>
Day -2 <u>13/05/23</u> TUESDAY	Researching on growing plants.	I come to know about growing plants .	<u>LSA</u>
Day -3 <u>14/05/23</u> WEDNESDAY	Researching on growing plants.	I come to know about growing plants .	<u>LSA</u>
Day -4 <u>15/05/23</u> THURSDAY	watering information about the plants.	we gathered information about the plants which were planted	<u>LSA</u>
Day -5 <u>16/05/23</u> FRIDAY	watering the plants	I had watered the plants	<u>LSA</u>
Day -6 <u>17/05/23</u> SATURDAY	watering the plants.	I had watered the plants .	<u>LSA</u>

WEEKLY REPORT

Seventh week-7 (From Date : 12/06/23 to Date: 17/06/23)

Objective of the Activity Done:

Detailed Report:

I had taken care about the trees that I had planted. I had watered the trees daily.

The most important job you will have after planting is to keep plants and trees will watered until established.

This can take to months. The key to proper watering and establishment is slow and deep irrigation.

I water newly planted trees everyday for about the first first week for the next two weeks.

ACTIVITY LOG FOR THE EIGHTH WEEK

Name: KONDAPALLI SAIKUMAR

Roll Number: 21F21A0587

Title: Tree plantation.

DAY & DATE	BRIEF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME	Person In-charge Signature
Day -1 <u>19/06/23</u> MONDAY	I had known some more Details & Benefits of trees	knowledge about trees after Completing this project.	
Day -2 <u>20/06/23</u> TUESDAY	photos	I had collected photos that are made in the project	
Day -3 <u>21/06/23</u> WEDNESDAY	Analysis of reports	Report I had Analyse the reports that are collected in those eight weeks.	
Day -4 <u>22/06/23</u> THURSDAY	Collection of reports	Reports are Collected into Soft Copies .	
Day -5 <u>23/06/23</u> FRIDAY	preparing document	Preparing a Document using all those Collected reports .	
Day -6 <u>24/06/23</u> SATURDAY	Completed the project successfully	csp project was Completed (Tree plantation)	

WEEKLY REPORT

Eighth week-8 (From Date : 19/06/23 to Date: 24/06/23)

Objective of the Activity Done:

Detailed Report:

Tree plantation is given so much importance because of its varied benefits. Trees act as the source of food and shelter for birds, animals and also human beings.

* Many medicines are prepared from trees. Planting of trees saves water and brings rainfall.

* Trees protect us from the green house effect.

* And this final week I had collected all the reports from First week to Eighth week and I had prepared a document using all those reports.

In this way I had done my esp project successfully.

CHAPTER - 5

OUTCOMES DESCRIPTION

Details of the Socio-Economic Survey of the Village/Habitation. Attach the questionnaire prepared for the survey.

1. What is plantation?
2. What are the uses of plantation?
3. What are the causes of deforestation?
4. What is deforestation?
5. How we can stop deforestation?
6. What are the main uses of plantation?
7. How does plantation help save the environment?
8. How can we promote afforestation?
9. what are the ways we can promote afforestation?
10. why is afforestation is very important?

Describe the problems you have identified in the community
Problems faced by plantation in India are

- (i) Climatic hazards
- (ii) Prevalence of diseases and insect pests
- (iii) Difficulties of clearing and maintenance
- (iv) Rapid deterioration of tropical soil

(i) Climatic hazards: The climatic requirements of crops like rubber, cocoa and oil palm, which need constantly high temperatures, high relative humidity and very heavy rainfall, are unfortunately, those least suited to human activities.

(ii) Prevalence of diseases and insect pests:

The tropics with their hot, humid conditions encourage the growth of insects and bacteria and also the spread of diseases. Consequently, plantations may suffer from uncontrollable outbreaks of plant diseases, e.g., coffee blights, or the depredations by insect pests such as the boll-weevil of the cotton plantations. At the same time the labour force is also prone to virus diseases such as fevers which reduce productivity. In some areas malaria has not yet been completely eradicated.

(iii) Difficulties of clearing and maintenance:

The hot, wet, tropical climates encourage the growth of a wide variety of vegetation. In rain forests, for instance, there is a multiplicity of species ; trees, palms under growth ferns and various kinds of herbaceous, epiphytic and parasitic plants. A dense vegetative cover is difficult to clear to make way for plantations and a communication network. It is even more expensive to prevent forest shrubs and trees encroaching on such clearings Large sums of money are needed annually for the repair of estate roads and railways.

(iv) Rapid deterioration of tropical soil:

Under tropical conditions of heavy rainfall, mineral nutrients in the soil are carried downwards with the rain water as it sinks into the ground. This leaching process proceeds very rapidly and magnesium, potassium and calcium are removed. The red lateritic soils that are so familiar in tropical lands are thus, rather infertile. Overexploitation and absence of crop rotation depletes soil fertility and increases soil erosion.

Report of the mini-project work done in the related subject with respective to the habitation/village.

A mini-project work in the related subject with respect to the habitation/village. (For ex., a student of Botany may do a project on Organic Farming or Horticulture or usage of biofertilizers or biopesticides or effect of the inorganic pesticides, etc.)

CHAPTER - 6

RECOMMENDATIONS AND CONCLUSIONS OF THE MINI PROJECT

Tree planting is the process of transplanting tree seedlings, generally for forestry, land reclamation, or landscaping purposes. It differs from the transplantation of larger trees in arboriculture and from the lower-cost but slower and less reliable distribution of tree seeds. Trees contribute to their environment over long periods of time by providing oxygen, improving air quality, climate amelioration, conserving water, preserving soil, and supporting wildlife. During the process of photosynthesis, trees take in carbon dioxide and produce the oxygen we breathe.

In silviculture, the activity is known as "reforestation", or "afforestation," depending on whether the area being planted has recently been forested or not. It involves planting seedlings over an area of land where the forest has been harvested or damaged by fire, disease, or human activity. Tree planting is carried out in many different parts of the world, and strategies may differ widely across nations and regions and among individual reforestation companies. Tree planting is grounded in forest science and, if performed properly, can result in the successful regeneration of a deforested area. Reforestation is the commercial logging industry's answer to the large-scale destruction of old-growth forests, but a planted forest rarely replicates the biodiversity, and complexity of a natural forest.[citation needed]

Because trees remove carbon dioxide from the air as they grow, tree planting can be used as a geoengineering technique to remove CO₂ from the atmosphere. Desert greening projects are also motivated by improved biodiversity and reclamation of natural water systems, as well as improved economic and social welfare due to an increased number of jobs in farming and forestry.

Student Self-Evaluation for the Community Service Project

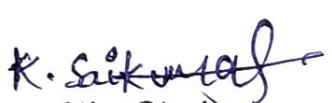
Student Name	: KONDAPALLI SAI KUMAR				
Register Name	: 21F21A0587				
Period of CSP	: 8 Weeks From: 30/04/2023 To : 24/06/2023				
Date of Evaluation	: 19/07/23				
Name of the person in-charge	: Ms T. SHOBHA				
Address with mobile number	: Siddarampuram , Sri Sathya sai(district), 9381602408				

Please rate your performance in the following areas:

Rating Scale: 1 is lowest and 5 is highest rank

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) Work plan and organization	1	2	3	4	5
8) Professionalism	1	2	3	4	5
9) Creativity	1	2	3	4	5
10) Ability to learn	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

Date: 19/07/2023


Signature of the Student

Evaluation by the Person in-charge in the Community/Habitation

Name of the person in-charge :Ms T.Shobha

Persnol of CSP :8weeks From: 30/04/2023 To: 24/06/2023

Date of the Evaluation : 19/7/23

Please rate the student's performance in the following areas: Please note that your evaluation shall be done independent of the student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

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) Work plan and organization	1	2	3	4	5	✓
8) Professionalism	1	2	3	4	5	✓
9) Creativity	1	2	3	4	5	✓
10) Ability to learn	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	✓

Date: 19/7/23


signature of the supervisor

PHOTOS

