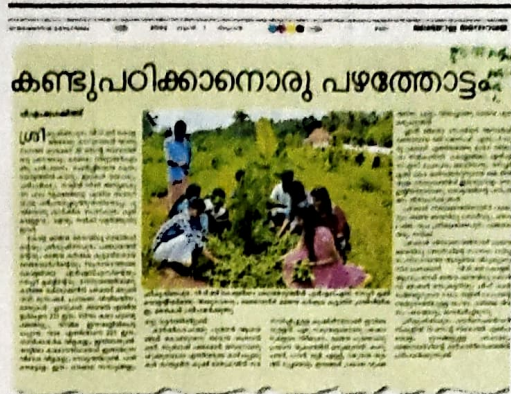


ARANYAKAM - I FOOD FOREST



Introduction

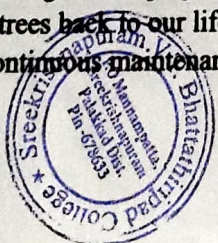
Food Forest, a project in collaboration with Kerala State Bio-diversity Board and Sreekrishnapuram Grama Panchayath, was officially inaugurated in our college on October 18, 2021 by Ottappalam MLA Adv. K. Premkumar. It was initiated with the technical support of Organic Farmers' Organization, JAIVORG, which is lead by the Plant Genome Saviour Award Winner, Sri. Reji Joseph. It is the first such project initiated by Kerala State Bio-diversity Board in an educational institution in Kerala. The Project was initially funded by contributing ₹5,00,000/- and ₹1,50,000 by Kerala State Bio-diversity Board and Sreekrishnapuram Grama Panchayath respectively. The remaining fund was contributed by Management and Sponsorship arranged through NSS and Nature Club Volunteers.

Concept of Food Forest

With a view to connect the people with nature and presenting a natural way for balancing the echo-system, a new concept named FOOD FOREST which is conceived by the Organic Farmers' Organization, JAIVORG, which is lead by the Plant Genome Saviour Award Winner, Sri. Reji Joseph at Sreekrishnapuram. The slogan of this Food Forest is One Solution for Seven Mission. Seven missions are 1. Bio-diversity conservation 2. Food security 3. Eco-system restoration 4. Reconnecting human and nature 5. Water preservation 6. Ecological balance and 7. Soil Enrichment.

The Concept of Food Forest is a farming system that integrates the views of great Organic farmers Narendra Dabholkar, Subhash Palekar, Masanobu Fukuoka who brought new ideas in the field of agriculture into Permaculture Approach. In order to ensure the Canopy Management, one sapling is plated in every 10 feet distance so that the canopy of one plant will not disturb the canopy of another one that makes this concept a Forest.

This project is a forest that gives food at all times which is a combination of pragmatic aspects of traditional and modern agricultural methods that is a golden opportunity for the students to learn and research on the topic of innovative agriculture. This is the main vision and mission of starting such a project in the college. It is essential to retake the lost culture and precious food trees back to our life. We are in deep belief that we can protect the bio diversity through the continuous maintenance of our Food Forest.



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Live Shading

In order to protect the land and tree saplings from the excess exposure to sun light, a system of shading, known as live shading is implemented in this project. For that, we plant millats, grains, dainja, oil seeds, flowers, etc. in the free land of the selected area so that it will grow and give us necessary food items and in addition to that, it protects the land from sun light. It also gives micro elements to the land that enhance the soil quality so that the main trees grow to its fullest potential.



The grown up greeneries are the Live Shading of our Food Forest

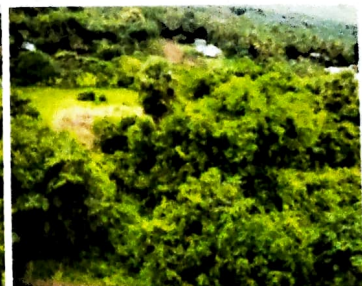
Area of Project: The project is spread over 1.25 acers of land in the college campus. It consists of 457 food trees saplings with 130 tree varieties and medicinal plants, 30 varieties of millats, grains, dainja, oil seeds, flowers. This 457 trees includes some rare varieties of indigenous plants that faces extinction threat and also includes some foreign varieties of trees that suit our climatic conditions. Through this, we are indented to introduce a new system of agriculture to new generation.

Making of Food Forest

There are seven stages through which the Food Forest becomes functioning.

Stage 1

Resource Mapping:
Identifying the location,
identifying water sources,
soil nature, etc.




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The two highlights of this project are **Live Mulching** and **Live Shading**.

Live Mulching: In agriculture, a living mulch is a cover crop interplanted or undersown with a main crop, and intended to serve the purposes of a mulch, such as weed suppression and regulation of soil temperature. Living mulches grow for a long time with the main crops, whereas cover crops are incorporated into the soil or killed with herbicides.

Other benefits of mulches are slowing the growth of weeds, and protecting soil from water and wind erosion. Some living mulches were found to increase populations of the natural enemies of crop pests.⁽¹⁾ Legumes used as living mulches also provide nitrogen fixation, reducing the need for fertilizer.



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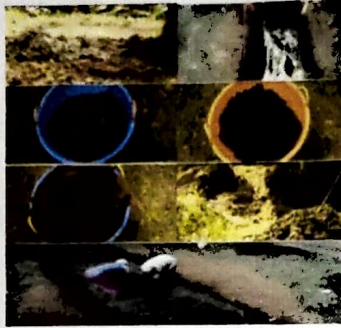
Stage II

Planning: Deciding where to plant, what all tree saplings shall be planted, deciding the distance between plants, deciding the tree varieties, etc.



Stage III

Preparation of Compost Fertilizer: Organic Compost fertilizer is the life blood of this project. The scientifically developed fertilizer is essential for the healthy survival of the food forest.



Stage IV

Land Clearing and Development:



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Stage V

Marking the Spot: Each saplings are planted with 10 feet distance by following canopy management strictly. So the spot in which plants are planted are spotted well in advance.



Stage VI

Pitting and Filling the compost: Taking a pit of 3 feet depth and 2 feet radius which will be filled with the compost.




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Stage VII

Planting the Tree Saplings



Am

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Surveying the Plants with Graphical Representation



Daily Maintenance by NSS Units and Nature Club Volunteers

The project was officially started on October 18, 2021. The saplings were planted on 23rd October, 2021. After that, the regular and daily maintenance work has been done by the volunteers of NSS and Nature Club. There are 15 lines of trees in the food forest and 4 volunteers are assigned to each line and they are doing the work daily. Each line is under the control of leaders and there are two assistant leaders under the main leader to look after the line. These 4 volunteers assigned to each line is changing on a rotation basis so that all the 200 NSS volunteers have been involved in the Food Forest activities.

1. **Managing the Live Mulching:** The volunteers on a regular basis, inspect the growth of live mulching and trim the growth of plants to protect the main trees. These waste plants are put into the main trees so that it becomes bio fertilizer for the main trees. In such a way, this project can contribute 4000 tones of bio mass to the soil.





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2. Removing Anathottavadi

Anathottavadi is an alien plant that disturb the growth of main plant. So that the volunteers of NSS, on a regular basis remove the alien plant. The alien plant is plucked and removed from the land.



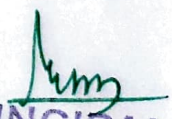

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Drip Irrigation in our Food Forest




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Making of Jeevamrutham (Organic Fertilizer)

Jeevamrutham is a very effective organic fertilizer which is made off 20 kg cow dung, 10 litres of cow urine, 2 kg vellam and 2 kg cherupayar podi and a handful of mud. It is diluted and fermentized with three days so that it enhancec the population of microms in the fertilizer. With this, we can make 400 litres of jeevamrutham. Once in every month we apply Jeevamrutham to the plants.



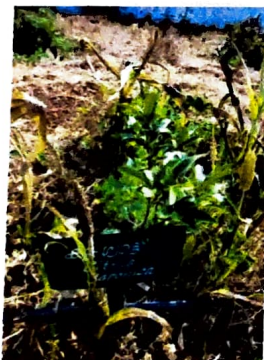
Fermenting for three days



Fixing Name Board for the Trees



Name board fixing inauguration. The name boards are sponsored by Palakkad Indian Oil dealers.




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GETTING Food items from the Food Forest: The food items that we get from the food forest is given to the students, teachers, general public. This the value of the food forest.



Receiving the guests with food forest food.....




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Inspection report of Food Forest Farm at VTB College, Sreekrishnapuram on 10.11.2021

Visited the Food Forest Farm at VTB College today. The farm was raised utilizing the fund of Rs.5 lakhs allotted by the Kerala State Biodiversity Board to Sreekrishnapuram Gram Panchayath. In raising a successful plantation, the foremost thing is the identification of ideal site, which was promptly done by the President and the Secretary of the Panchayath. Then comes site preparation, procurement of the suitable planting materials, etc. The Panchayath authorities entrusted the same to the mentors of the Food Forest Farm S/Sri. Reji Joseph and Sooryaprakash. They complied the same to the astonishment of all by finishing the planting in 120 cents of land within one week time from 17.10.2021 to 23.10.2021. A wonderful feat.

Above all, the NSS team and Nature club of the College under guidance of the Program Officer are taking adequate interest for the maintenance and upkeep of the Farm from day one onwards till today. Results of their Interventions are visible felt on the Farm. The performance of all the plants is exceedingly well.

What remains to be completed is drip irrigation facility for the plants. Since completion of planting on 23.10.2021 the area is getting good rain, which may not prolong more. So immediate steps have to be taken to set up drip irrigation system otherwise, the whole amount spent might go down the drains. Hence, immediate steps are needed in this regard.

As of now, this is best plantation I have ever visited in the recent past. I am sure; this will grow as a model plantation, provided the remaining work of irrigation facility is provided on time and the upkeep and maintenance by the NSS and Nature Club continue as being done currently.

Date: 11.11.1921

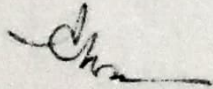
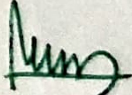

Babu Bonaventure.A.M

Figure 1 Inspection Report by Kerala Bio-Diversity Board Palakkad




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Inauguration of second phase of sowing by S Jayakumar, Former Chief Secretary, Kerala and Famous Poet



Tilling of the land



[Signature]
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Evolution of Food Forest till the date: From waste land to Food Forest that gives continuous and nutritious food to all..... a long view of various stages....



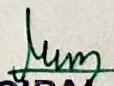

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Monetary Value of the Project:

Sl.No	Particulars	Amount (₹)
1	Preparation of the 1.25 acers of land for plantation (Waste land development, JCB works, Labour charges, etc.)	93,000.00
2	Organic Compost fertilizing of land	1,80,000.00
3	Sapling (454 saplings + pellets, seeds, etc)	2,27,000.00
4	Planting of saplings	1,13,000.00
5	Drip irrigation materials	3,39,000.00
6	Fencing of land	98,000.00
7	Name Board (350 @ ₹30)	10,500.00
8	Arranging Water facilities for summer seasons (per day 3,000 litres @ ₹1 per litre of water for 6 months)	5,40,000.00
9	Yearly Live Mulching and Shading	45,000.00
10	Daily labour by Volunteers (₹100 per volunteer for 60 volunteers a day – 1 ½ Hours daily – 90 Labour Hours a Day X 270 days = 24,300 labour hours) 15 lines of 31 plants each	16,20,000.00
11	Monthly Jeevamrutham (Organic Fertilizer) Cow dug of Vechur Cow @ 30 per kg for 20 kg - 600 Urine of Vechur Cow @ 30 per ltr for 10 litres - 300 Green gram (Cherupayar) @ 120 for 4 kg - 480 Unda Sharkkara @ 45 for 4 kg 180 Total ₹1560 for making 400 litres of Jeevamrutham per month. For 9 months 1560 X 9 = 14,040 3 Barrels @ ₹1000 per barrel = 3,000 Total Expense = 14,040 + 3,000	17,040.00
	Total	32,82,540.00




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₹. 100



RS. 100

ONE HUNDRED RUPEES

भारत INDIA
INDIA NON JUDICIAL

കേരളം KERALA

DC 679294

ശ്രീമാൻ (പി) ഗോപിൻകൃഷ്ണൻ (ശ്രീകൃഷ്ണൻ) യുടെ പേരിൽ
മുഖ്യമന്ത്രിയുടെ കാമുകിയാണെന്നുള്ളതും
പ്രൊഫ. ബിനു ഗോപിൻകൃഷ്ണൻ (Mou)


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മുഖ്യമന്ത്രിയുടെ കാമുകിയാണെന്നുള്ളതും
പ്രൊഫ. ബിനു ഗോപിൻകൃഷ്ണൻ (Mou)

Manager / Asst. Manager
V. T. B. College
Mannampatta
Sreekrishnapuram

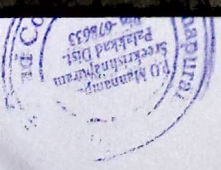

BINU GOPAL
Secretary
Sreekrishnapuram Grama Panchayat

1167

Krishnan Namboodivi


PRINCIPAL

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2. **MSB പ്രകാരം** മേൽ പറഞ്ഞ സ്ഥലത്ത് ഫലവൃക്ഷക്കാട് നിർമ്മിക്കുന്നതിനുള്ള ചെലവുകൾ രണ്ടാം പാർട്ടിയായ ശ്രീകൃഷ്ണപുരം ഗ്രാമപഞ്ചായത്തും ബയോഡൈവേഴ്സിറ്റി ബോർഡും സംയുക്തമായി വഹിക്കുന്നതായിരിക്കും.

3. ഫലവൃക്ഷ കാടിന്റെ ജലസേചനം, സംരക്ഷണം അടക്കമുള്ള പരിചരണത്തിനും നടത്തിപ്പിനും ഉള്ള അവകാശവും ഉത്തരവാദിത്തവും ശ്രീകൃഷ്ണപുരം വി.ടി.ഭട്ടതിരിപ്പാട് കോളേജിലെ NSS യൂണിറ്റുകൾക്കും നർമ്മദ നേച്ചർ ക്ലബിനും ആയിരിക്കും.

4. മുകളിൽ പറഞ്ഞ പദ്ധതി തുടങ്ങിയതിന് ശേഷവും മേൽപറഞ്ഞ സ്ഥലത്തിന്റെ പൂർണ്ണ ഉടമസ്ഥാവകാശം ഒന്നാം പാർട്ടിയായ ശ്രീശങ്കര ട്രസ്റ്റിൽ നിക്ഷിപ്തമായിരിക്കും.

5. മേൽപറഞ്ഞ സ്ഥലത്ത് തുടങ്ങുന്ന ഫല വൃക്ഷക്കാട് ഭാവിയിൽ ഒരു പഠന കേന്ദ്രമാക്കേണ്ടതും പഠിക്കുവാൻ താല്പര്യം കാണിച്ചു വരുന്ന വിദ്യാർത്ഥികൾക്കും പൊതുജനത്തിനും കോളേജിലെ ഫല വൃക്ഷക്കാടിന്റെ ചാർജ്ജ് വഹിക്കുന്ന അധ്യാപകരുടെ നേതൃത്വത്തിൽ തുറന്നു കൊടുക്കേണ്ടതുമാണ്.

6. മേൽ പരിപാലനവും സംരക്ഷണവും കൃത്യമായി നടക്കുന്നു എന്നും ആയത് പരിശോധിച്ചു ഉറപ്പ് വരുത്തി പോരായ്മകൾ പരിഹരിക്കുന്നതിനുള്ള മാർഗ്ഗ നിർദ്ദേശം നൽകുന്നതിനുള്ള അവകാശം രണ്ടാം കക്ഷിക്ക് ഉണ്ടാകുന്നതും വിവിധ ഗവണ്മെന്റ് വകുപ്പുകൾ, ഗവണ്മെന്റ് ഇതര ഏജൻസികൾ എന്നിവയുടെ പഠനവും പരിശോധനയും നടത്തുന്നതിന് രണ്ടാം കക്ഷിക്ക് അധികാരം ഉണ്ടായിരിക്കുന്നതുമാണ്.

7. പഠനത്തിനോ പരിശോധനക്കോ ആയി വരുന്നവർ വി.ടി.ബി. കോളേജ് അധികാരികളെ മുൻകൂർ രേഖാമൂലം അറിയിക്കുകയും കോളേജ് അധികാരികളുടെ മുൻകൂർ സമ്മതം വാങ്ങിക്കുകയും വേണം.

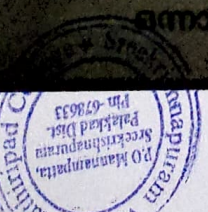
ഒന്നാം പാർട്ടി



Handwritten signature and name of the official.

ബി.സി.പാൽ
Secretary
Sreekrishnapuram Grama Panchayat.

PRINCIPAL
Sreekrishnapuram VT Bhattathiripad College
Mannampatta, Palakkad - 678633



1. ഈ രൂപം കയ്യിൽ ലഭിച്ചു കിട്ടിയതിനെ തുടർന്ന് അതേ വിഷയത്തിൽ
കുറിപ്പുകൾ കയ്യിൽ ലഭിച്ചു കിട്ടിയതിനെ തുടർന്ന് അതേ വിഷയത്തിൽ
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മുകളിൽ പറഞ്ഞ എല്ലാ വിവരങ്ങളും തിരികെ കയ്യിൽ ലഭിച്ചു കിട്ടിയതിനെ തുടർന്ന്
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അതേ വിഷയത്തിൽ
Manager / Asst. Manager
V T B College
Mannampatta
Sreekrishnapuram

SECRETARY
Sreekrishnapuram
Sreekrishnapuram

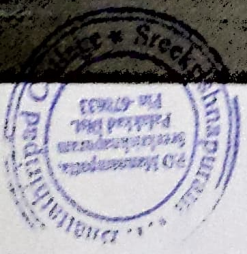
അതിനുശേഷം

1) Rajeev C
President
Sreekrishnapuram
Sreekrishnapuram

2) Mini R
NSS Programme Officer
Mannampatta
Sreekrishnapuram

Principal
PRINCIPAL

Sreekrishnapuram
Mannampatta, Palakkad - 676633



GOTHRAYAN - KATHIR PROJECTA PROJECT TO HELP TRIBAL PEOPLE

'GOTHRAYAN' - A project to help the tribal people to uplift their life, in all dimensions including financial, social, intellectual and cultural aspects. It is helpful for us also to understand the life style of the tribal people. Also we have provided them with basic necessities like dresses and medicines.



Donating books to tribal habitants living in the area of Mulakkombe Ure in association with Kerala Forest Department





Distributing Dress Items among Palamala Tribal Area



PRINCIPAL *Mmm*
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Mannampatta, Palakkad - 678633

SNEHAPUTHAPPU – DRESS TO THE POOR

Introduction

In order to help the poor, we have organized a project named SNEHAPUTHAPPU which collects the newly purchased dress materials from the staffs, students and other social organizations and distribute it among the tribal people of Palamala Colony and other palliative patients.

Date of Activity	Place of Activity	Monetary Value
30.04.2021	Palamala Tribal Colony	₹ 65,000/-
Various Days	Palliative Patients and old people at Kollyani (Adopted Villages)	₹ 39,000/-
	Total	₹ 90,000/-

Action Photos

Collection of Dress Materials



Sorting and Packing of Dress Materials



Distribution of Dress Materials



Donating to Palliative Unit



Figure 31 Donating to Palamala Tribal Colony



[Signature]
PRINCIPAL
 Srikrishnapuram VT Bhattathiripad College
 Mannampatta, Palakkad - 678633

