



NAAC - Cycle IV SSR

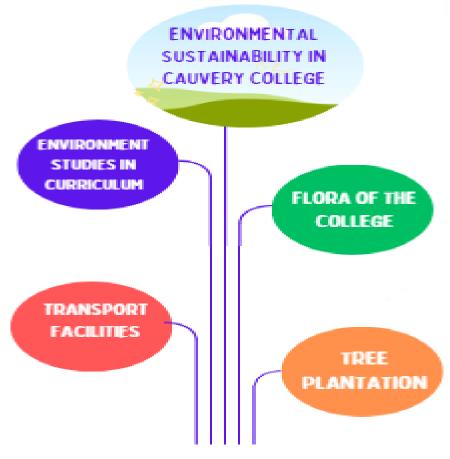
CRITERION VII

ENVIRONMENT SUSTAINABILITY

Key Indicator – 7.1 Institutional Values and Social Responsibilities

7.1.5 Green Campus Initiatives

Relevant Document - Environment Sustainability



Our Green Campus

https://youtu.be/p09KPNK3wGw

Environment Studies	CLICK HERE
Flora of the College	CLICK HERE
Tree Plantation	CLICK HERE
Transport Facilities	CLICK HERE





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ENVIRONMENT SUSTAINABILITY

Environmental Studies in Curriculum

Environmental Studies is part of the curriculum for all first-year students.

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CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)

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ENVIRONMENT SUSTAINABILITY

Semester: 11	Language Color	Internal Marks; 10	10	
COURSE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
22UGEVS	STEDIES	ABILITY ENHANCEMENT COMPULSORY COURSE	2	2

Course Objective

To train the students to get awareness about total environment and its related problems and to make them to participate in the improvement and protection of the environment.

Course Outcome and Cognitive Level Mapping

On the successful completion of the course, students will be able to

CO Number	CO Statement	Cognitive Level
CO1	Outline the nature and scope of environmental studies	K1, K2
CO2	Illustrate the various types of natural resources and its importance.	K2
CO3	Classify various types of ecosystem with its structure and function.	K2, K3
C04	Develop an understanding of various types of pollution and biodiversity.	К3
COS	List out the various types of social issues related with cuvironment and explain protection acts.	K4, K5

Mapping of CO with PO and PSO

Cos	PSO1	PSO2	PSO3	PSO4	PSO5	POI	PO2	PO3	PO4	PO5
COI	2	2	2	3	3	2	2	3	2	3
CO2	3	3	2	3	3	3	2	3	3	3
C03	2	3	3	2	3	3	3	3	3	2
C04	2	3	3	3	2	3	2	3	3	3
CO5	3	3	2	3	3	3	3	2	3	1

"1" - Slight (Low) Correlation
"3" - Substantial (High) Correlation

"2" - Moderate (Medium) Correlation

"-" indicates there is no correlation

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Principal

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Annamalai Nagar, Tiruchirappalli - 620 018, Tamil Nadu, South India.

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Syllabus

UNIT	CONTENT	HOURS	cos	COGNITIVE LEVEL
1	Introduction to environmental studies Definition, scope and importance. Need for public awareness	06	CO1, CO2, CO3, CO4	K1, K2, K3,
п	Natural Resources: Renewable and non- renewable resources: Forest resources: use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribul people. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams benefits and problems. Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity. Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. Case studies. Land resources: Land as resources, land degradation, man induced Landslides, soil crosion and desertification. Role of an individual in conservation of statural resources.	06	CO1, CO2, CO3, CO4	K1, K2, K3
m	Ecosystems Concept, Structure and function of an ecosystem. Producers, consumers and decomposers Emergy flow in the ecosystem and Ecological succession. Food chains, food webs and ecological pyramids Introduction, types, characteristic features, structure and function of the following ecosystem:-Forest ecosystem, Grassland ecosystem and Desert ecosystem, Aquatic ecosystems, (pends, streams, lakes, rivers, oceans, estuaries)	06	CO1, CO2, CO3, CO4	K1, K2, K3



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IV	Biodiversity and Environmental Pollution Introduction, types and value of biodiversity. India as a mega diversity nation. Hot-spots of biodiversity. Threats to biodiversity: habitat- loss, poaching of wildlife, man-wildlife conflicts. Endangered and endemic species of India. Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. Definition, Causes, effects and centrol measures of:	06	C01, C02, C03, C04, C05	K1, K2, K3, K4, K5
	a. Air Pollution b. Water Pollution c. Soil Pollution d. Noise pollution c. Nuclear hazards Solid waste Management: Causes, effects and control measures of urban and industrial wastes. E-Waste Management: Sources and Types of E-waste. Effect of E-waste on environment and human body. Disposal of E-waste, Advantages of Recycling E-waste. Role of an individual in prevention of pollution. Disaster management: floods, earthquake, cyclone and landslides.			
V	Social Issues and the Environment Water conservation, rain water harvesting, watershod management. Climate change, global warming, acid rain, ozone layer depletion, Wasteland reclamation. Environment Protection Act Wildlife Protection Act. Forest Conservation Act. Population explosion – Family Welfare Programmes Human Rights - Value Education. HTV/ AIDS - Women and Child Welfare. Role of Information Technology in Environment and human health.	06	C01, C02, C03, C04, C05	K1, K2, K3, K4, K5





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Self-Study for Enrichment VI. (Not to be included for End Semester Examination) Global warming – climate change – importance of ozone – Lifects of ozone depletion. Biogeography – hotory, ecology and conservation. International laws and policy	*	COL, COL, COL, COL	K1 K2 K3 K4 K1
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References

- 1. Beard, J.M. 2013. Environmental Chemistry in Society (2nd edition). CRC Press.
- Girard, J. 2013. Principles of Environmental Chemistry (1rd edition). Jones & Hartlett.
- 3. Brebbia, C.A. 2013. Water Resources Management VII. WIT Press.
- Pandit, M.K. & Kumar, V. 2013. Land use and conservation challenges in Himalaya: Past, present and future. In: Sodbi, N.S., Gibson, L. & Raven, P.H. Conservation Biology. Voices from the Tropics. pp. 123-133. Wiley-Blackwell, Oxford, UK (file: "Users/mkpandit/ Downloads /Raven%20et%20ul.%202013.%20CB%20Voices %20from %20Tropics%20(2) pdf.).
- 5. Hites, R.A. 2012. Elements of Environmental Chemistry (2nd edition). Wiley & Sons.
- 6. Harnung, S.E. & Johnson, M.S. 2012. Chemistry and the Environment. Cambridge University Press.
- Boeker, E. & Grondelle, R. 2011. Environmental Physics: Sustainable Energy and Climate Change. Wiley.
- 8. Forinash, K. 2010: Foundation of Environmental Physics. Island Press.
- Evans, G.G. & Furlong, J. 2010. Environmental Biotechnology: Theory and Application (2nd edition). Wiley-Blackwell Publications.
- 10. Williams, D. M., Ebach, M.C. 2008. Foundations of Systematics and Biogeography. Springer
- 11. Pani, B. 2007. Textbook of Environmental Chemistry. IK international Publishing House.
- 12. Agarwal, K.C. 2001 Environmental Biology, Nidi Public Ltd Bikaner.

Pedagogy

Chalk and talk, PPT, Discussion, Assignment, Quiz, Seminar

Course Designer

Dr.B.Thamilmaraiselvi

Assessment Rubrics for 100 Marks

- 1. Documentary (or) Poster Presentation (or) Elocution-25 Marks
- 2. Quiz (or) MCQ Test-25 Marks
- 3. Album Making (or) Case study on a topic (or) Field Visit +25 Marks
- 4. Essay Writing (or) Assignment (Minimum 10 pages) -25 Marks.

There will be no End Semester Examination for this course. However, the subject teacher will evaluate the above mentioned components based on the performance of the students and submit the marks out of 100 (in the format to be supplied by the COE) with the approval of the concerned Head of the Department to the COE along with CIA marks of other courses.



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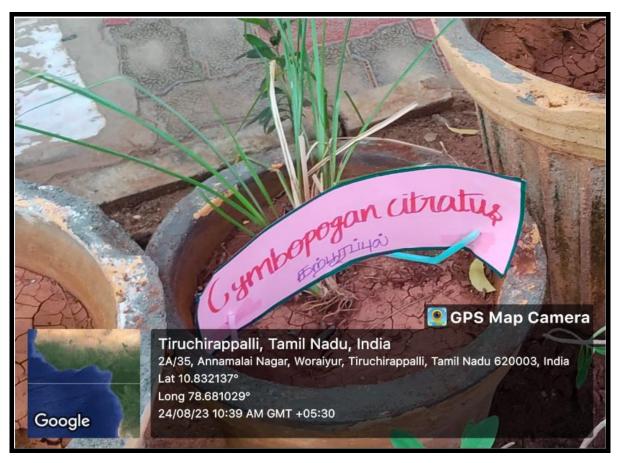
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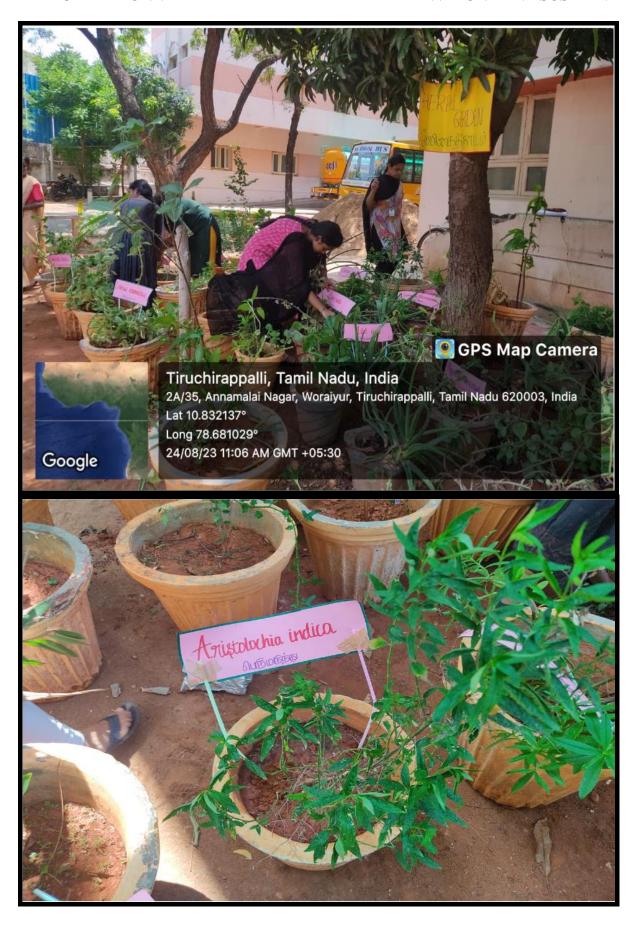




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Long 78.681029°

Google

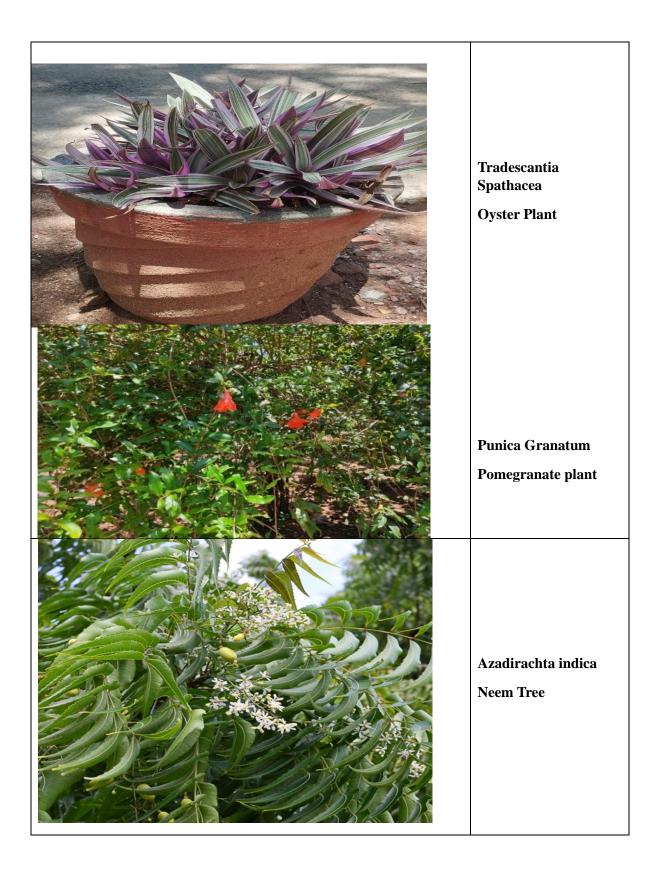
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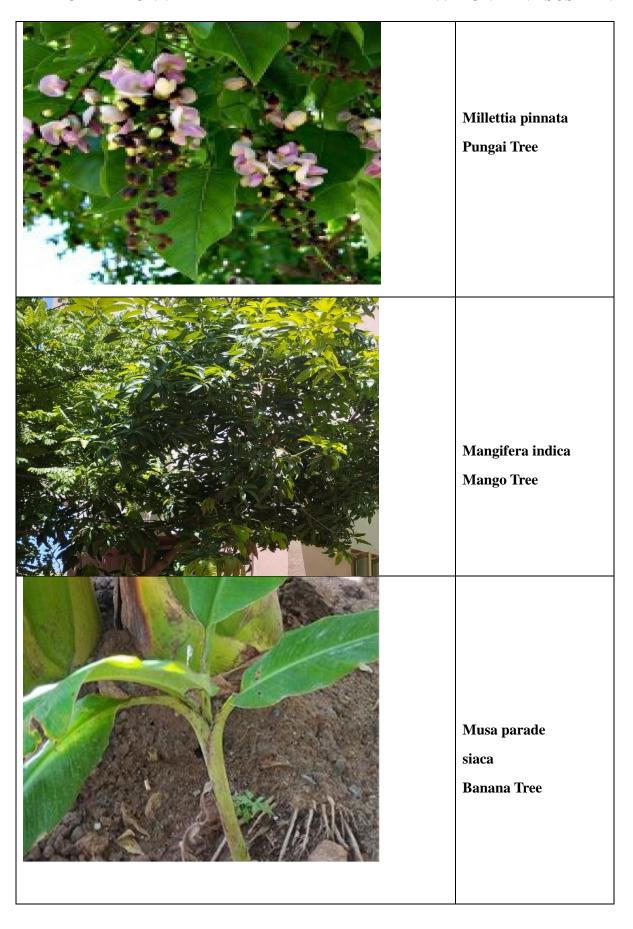




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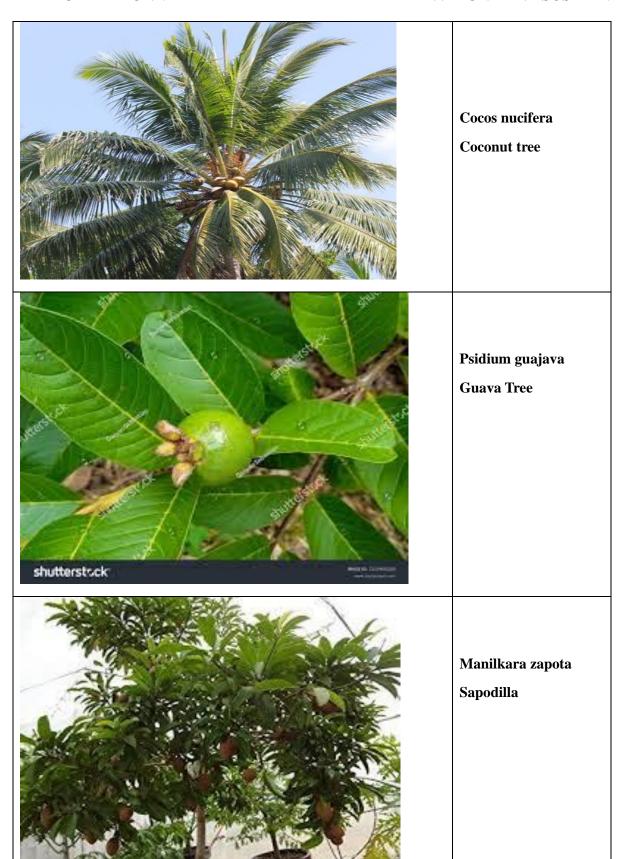




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Carica papaya Papaya Tree
Punica granatum Pomegranate
Citrus limon Lemon

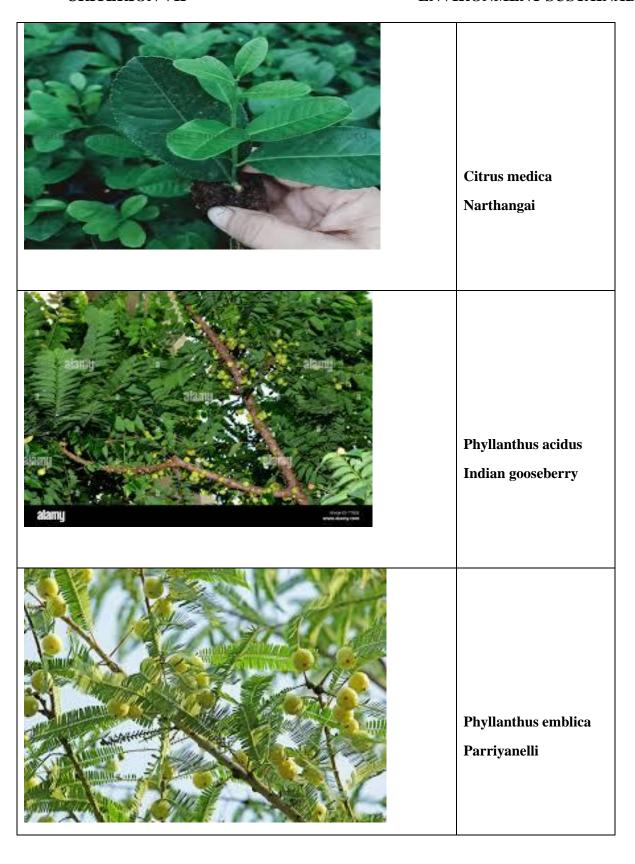




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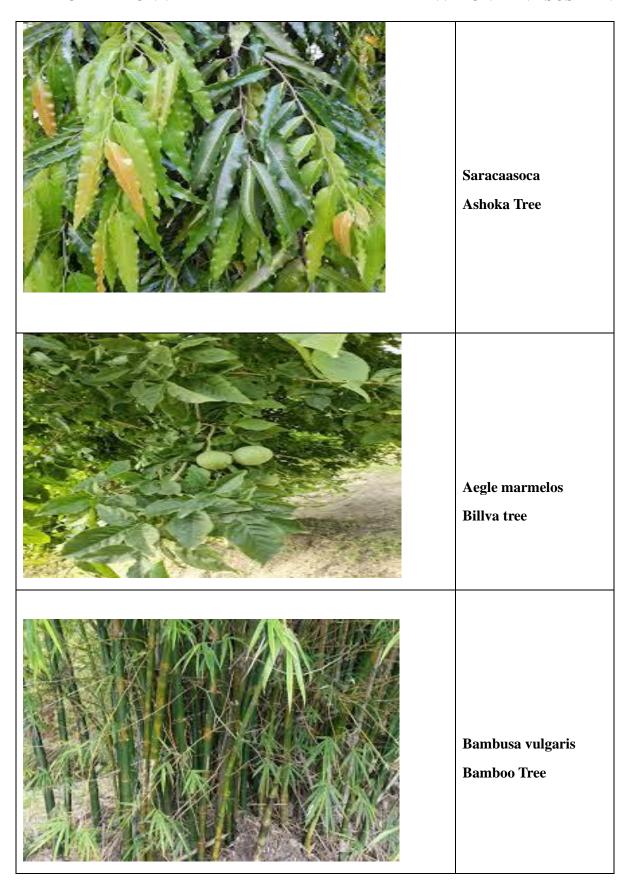




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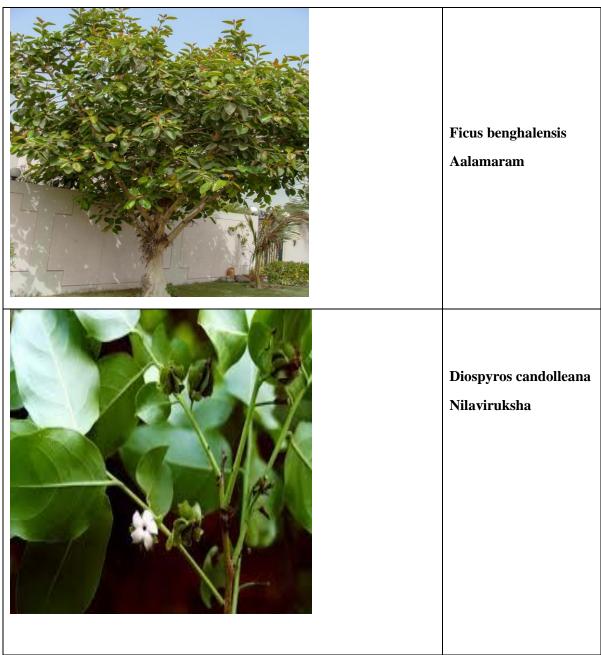


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Hyophorbelagenicaulis bottle palm





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Canna iridiflora Canna Lilies
Phyllanthus acidus Cermai
Lantana montevidensis weeping lantana



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Plumbago auriculata cape leadwort
Canna indica Indian Shot
Euphorbia milii crown of thorns



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Ruellia tuberosa snapdragon root



Ixora coccinea scarlet jungle flame



Dypsislutescens

Areca Palm · Bamboo
Palm

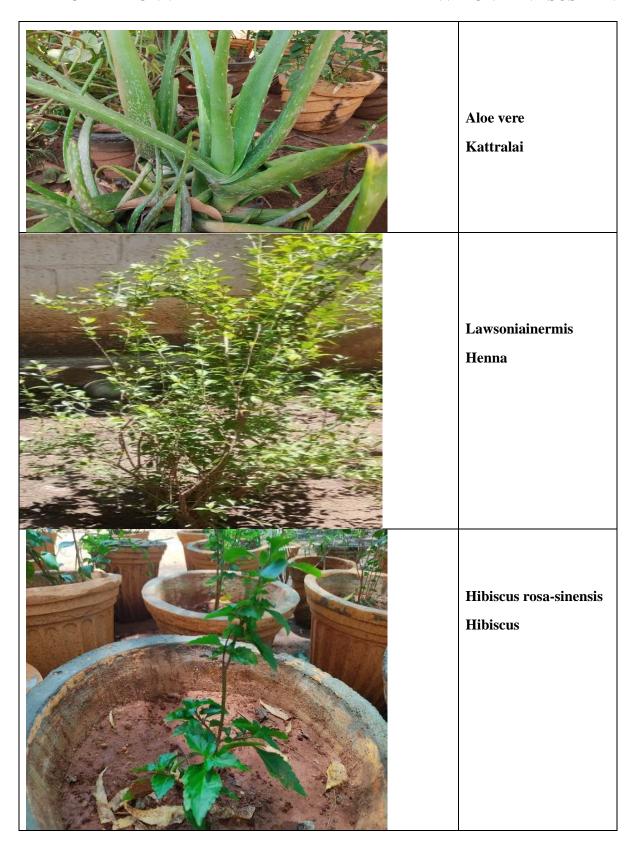




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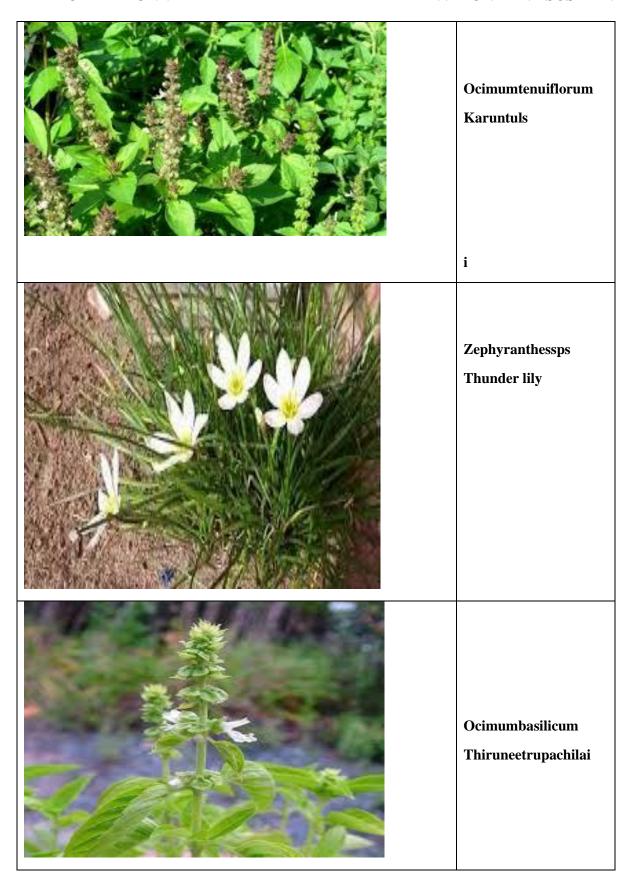




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Ocimum sanctum Vishnu tulsi
mentha piperita Mint tulsi
Gloriosa superba flame lily
Cymbopogon citratus Lemongrass

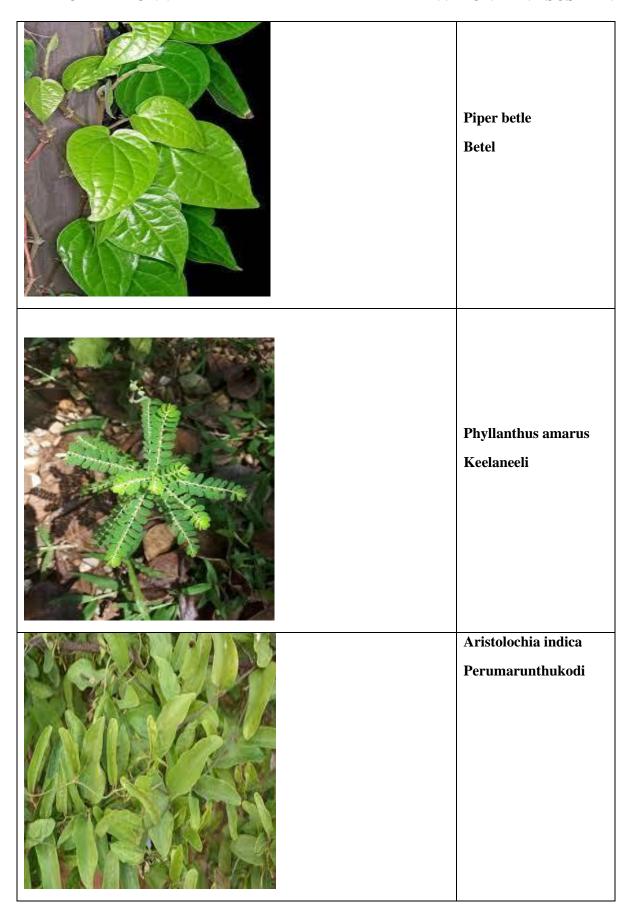




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Thymus vulgaris Garden thyme
Salvia officinalis Sage Plant
Catharanthus roseus Pink periwinkle

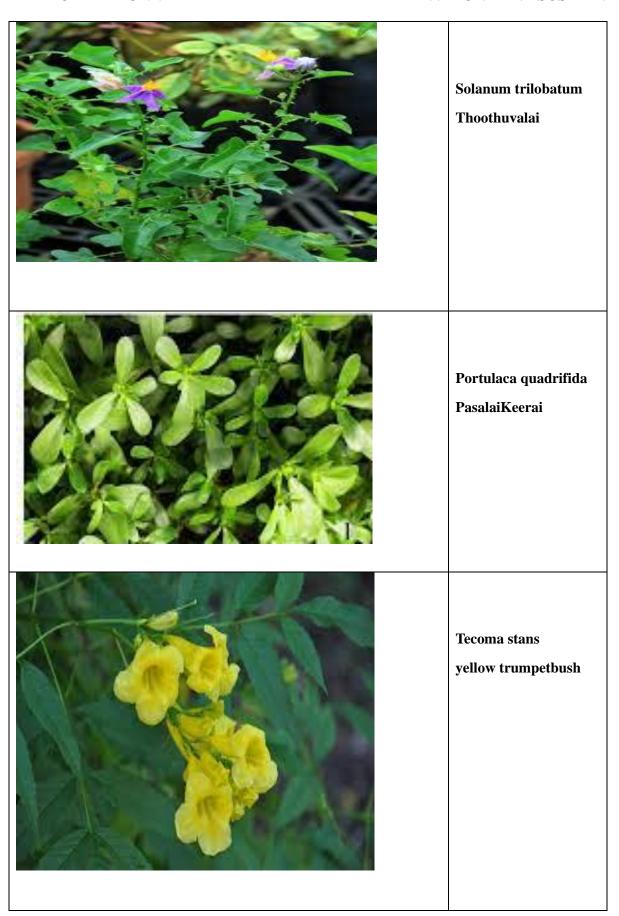


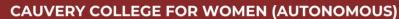


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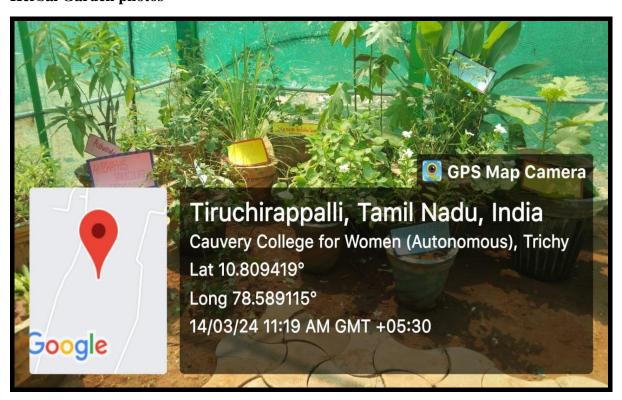
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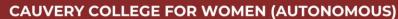
ENVIRONMENT SUSTAINABILITY

Herbal Garden photos



Herbal Garden photos





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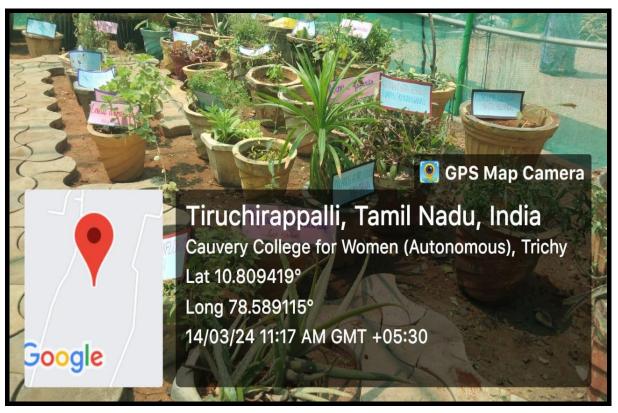
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Herbal Garden photos





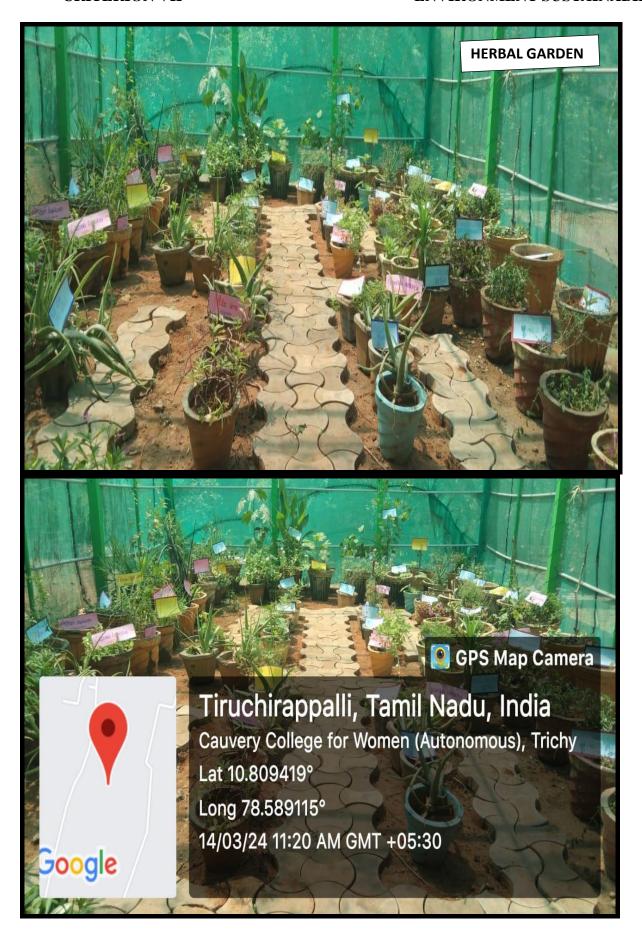
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ENVIRONMENT SUSTAINABILITY

A Symbol of Longevity and Good Health

Mushrooms are a sustainable and environmentally friendly food source







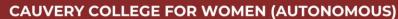
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ENVIRONMENT SUSTAINABILITY

TREE PLANTATION ACTIVITIES



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ENVIRONMENT SUSTAINABILITY

SEED BALLS ISSUING TO STUDENTS

• To enhance awareness among students to plant trees and protect environment









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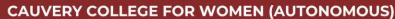
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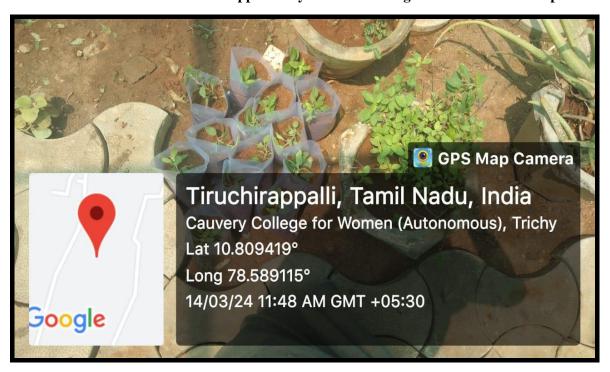
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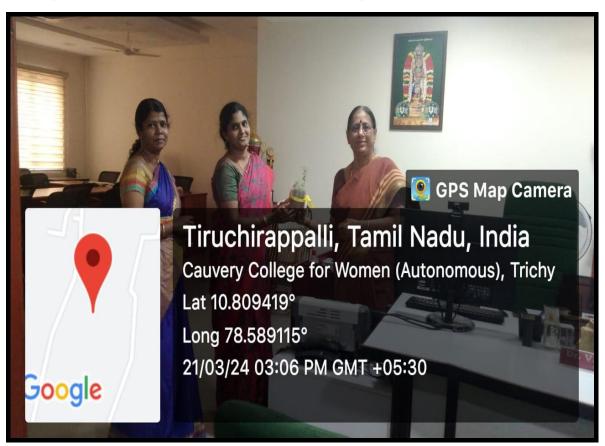
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SAPLING PRODUCTION - An opportunity to enhance the garden with wonderful plants.



The Department of Biotechnology offered Mint Tulasi saplings for sale.







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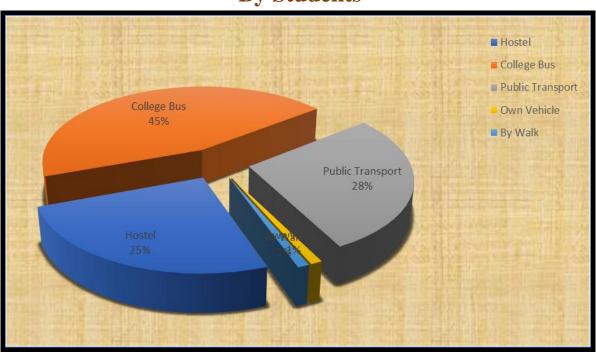
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Mode of transport

Most of the staff and students use bus facility which avoids air pollution.

By Students



By Staff

