

## GOVERNMENT ARTS AND SCIENCE COLLEGE (CO-EDUCATION)

SATHYAMANGALAM-638401

### GREEN CAMPUUS INITIATIVES:

**Plants and Trees:** The college strives to maintain an eco-friendly environment inside the campus. The number and variety of plant species helps to set an eco-friendly atmosphere. There are different types of plants in the campus .College has taken up various activities like plantation and embellishment of campus through various drives.

#### (a)Different plant and tree species were observed in the campus.

S.No	Name of the Plant	Family	Common name	Habit
1.	Azadirachtaindica L	Meliaceae	Neem	Tree
2.	Cissusquadrangularis	Vitaceae	Adament Creeper	Plant
3.	Aloe vera L	Asphodelaceae	Aloe vera	Plant
4.	Ocimumtenuiflorum	Lamiaceae	Holy Basil	Plant
5.	VincaRosea	Apocynacea	Catharanthusroseus	Plant

#### (b)Different bird species were observed in the campus.

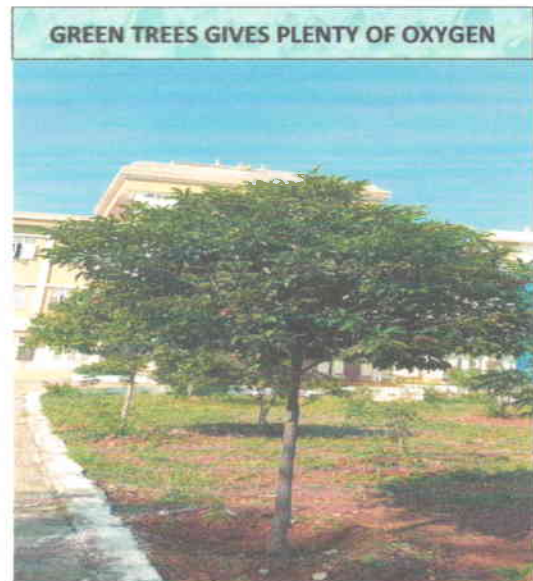
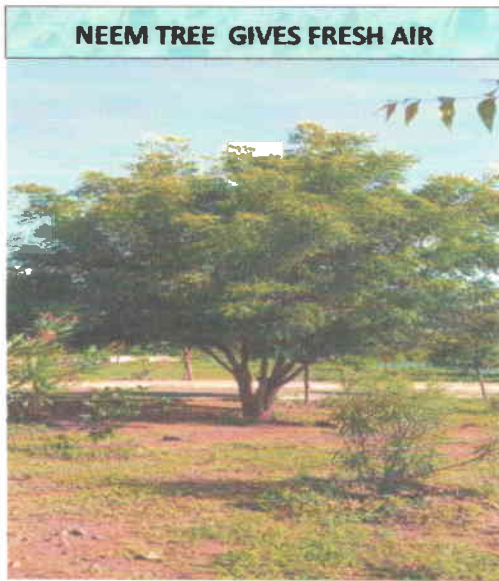
S.No	Common name of the bird	Scientific Name
1.	Peacock	PavoCristatus
2.	House Sparrow	Passer Domesticus
3.	House Crow	CoruusSplendens
4.	Indian Myna	AcridotheresTristis
5.	Malabar Grey Hornbill	OcycerosGriseus
6.	Domestic Pigeon	Rock Pigeon

#### (c)Different animal species were observed in the campus.

S.No	Common name of the animal	Scientific Name
1.	Dog	Canis Lupus Familiaris
2.	Cat	FelisCatus
3.	Squirrel	Sciuridae
4.	Monkey	CercopitheCidae

**Holy Basil(Tulsi plant)**-Tulsi is used as an antimicrobial activity which includes activity against a range of human and animal pathogens.It is also used as a herb to treat thyroid and diabetes.Tulsi is rich in anti-oxidants and has anti-inflammatory properties.It is very effective in treating various ailments such as cold,coughs and respiratory infections.It's numerous health benefits make it a valuable addition to any wellness routine.

**Neem Trees-(Gives plenty of oxygen and fresh air)**



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15/03/2024

Principal  
Government Arts & Science College  
Sathyamangalam  
Erode District.

**CLEAN AND GREEN ENVIRONMENT**



**DIFFERENT TYPES OF TREES IN OUR CAMPUS**

**TREES INFRONT OF MAIN BUILDING**



**TREES NEAR THE ENTRANCE**



**TREES INFRONT OF KAMARAJAR BUILDING**



## HERBAL GARDEN IN OUR CAMPUS





*S. Sathish*  
**Principal**  
**Government Arts & Science College**  
**Sathyamangalam**  
**Erode District.**

GOVERNMENT ARTS AND SCIENCE COLLEGE,SATHYAMANGALAM -638 401.  
VARIOUSPLANTS IN HERBAL GARDEN



**VALLARAI LEAF**

**Scientific Name :** Centella asiatica

**Family Name :** Apiaceae

**Uses of Vallarai Leaf:**

- Improves Brain Functions
- Boost immune System
- Relaxes Muscle Cramps Treats Constipation
- Scientifically known as Centella Asiatica, this green leafy plant is locally called "Vallarai keerai" in Tamil, "Mandukaparni" in Sanskrit, Sarswathi in Hindi and "Swaraswataku" in Telugu. The name "Gotu kola" is in fact, Sri Lanka and literally translates to "cup-shaped leaf" describing the characteristic rounded and hemispherical form of the leaves.
- Powerful medicinal herb that confers immense health benefits primarily for enhancing brain activity and nervous system functioning, joint pain in arthritis, healing stomach ulcers and decreasing stress, anxiety.

## NEEM TREE

**Scientific Name** : Azadirachta

**Family Name** : Meliaceae

### Uses of the Neem:

- Immune System ,Heart Disease , AIDS/ HIV, cancer,
  - Jaundice , Arthritis, Malaria , Dandruff,Birth Control, Psoriasis,
  - Ringworm, Nail Fungus, Chicken Pox,Viral Diseases , Dental Care,
  - Stress ,Stomach Ulcers, Rheumatism ,Head Lice,High Fever Remedy,
  - Mosquito Repellent , Get Rid of Intestinal Worms ,Eczema and
  - Psoriasis Relief.
- 
- Neem (Azadirachta) is also called nim or margosa, fast-growing
  - family (Meliaceae) ,valued as a medicinal plant ,as a source of
  - organicpesticidal. and for its timber. Neemis likely Native
  - to the Indian subcontinent and to dry areas throughout South Asia.
- 
- Its is one of the fastest – growing trees and can reach a height of about 90 – 98 ft and some times 131 ft and its diameter may reach about 66 – 82 ft It is an evergreen deep – rooted .
  - Its native to India,Myanmar,Bangladesh,Sri Lanka ,Malaysia and Pakistan.







### HIBISCUS TREE

- ❖ **Scientific Name** : **Hibiscus rosasinensis**
- ❖ **Family Name** : **Mallows**
- ❖ **Uses of the Hibiscus** : Hibiscus preparations ,including teas, powers and extracts ,have been fat shown to decrease blood pressure, reduce body fat , improve metabolic, syndrome , protect the liver ,and fight cancer cells.
- ❖ Hibiscus is high in antioxidants and offers many potential benefits. In particular ,it may help promote weight loss ,reduce the growth of bacteria and cancercells ,and support the health of the heart and liver . Hibiscus is available as an extract or ,more often a tea.
- ❖ That help to stop hair loss and prevent baldness loaded with vitamin C flavonoids, amino acids, mucilage fibre, and antioxidants, promotes hair growth& soft silky texture.



### BODHI TREE

- ❖ **Scientific Name** : **Sacred fig**
- ❖ **Family Name** : **Fig or Mulberry**
- ❖ **Uses of the Bodhi tree** : Bodhi beads are Buddhist prayer items that have been traditional tools for counting while reciting a mantra, as prayer beads have been used in other world religions.
- ❖ The Bodhi tree and its reflection symbolize an individual's spiritual goal to achieve enlightenment by letting go of the finite self – discipline .
- ❖ The heart – shaped leaves of the Bodhi tree represent the peace and happiness of developing one's heart.
- ❖ The Bodhi tree is native to Southeast Asia, southwest China, India and the Himalayan foothills. It's a large broadleaf evergreen tree with wide spreading branching that grows to 60 – 100 tall.



### AMMAAN PACHARISI LEAF


- ❖ **Scientific Name** : Euphorbia Prostrata
- ❖ **Family Name** : Euphorbiaceae
- ❖ **Uses of the Amman Pacharisi or Asthma plant:**
- ❖ Amman pacharist has anti asthmatic properties that offers relaxation effects on the bronchial tubes. Flavonoids, glycosides and saponins.
- ❖ Amman pacharisi is particully effective against malignant melanomas and squamous cell carcinomas. Amman pacharisi extract has been proven to reduce pain and inflammation.
- ❖ Its native to the Caribbean and certain parts of SouthAmerica. It is widely naturalized in many oter parts of the world, where it can be found in varied habitant types and in many areas grows as a roadside weed.



### CARDIOSPERMUM LEAVES

- **ScientificName:**  
Gomphocarpusphysocarpus
- **Family Name** :  
Cardiospermumhalicacabum
- **Uses of theCardiospermum ;**
- Balloon vine / Mudakathankeerai is widely used for treating ear pain, cough and cold. The plant have special gastric benefits and mild laxative properties. Deconcentration made by boiling leaves in water and the powder form are consumed to treat constipation and stomach pain.
- This is one of the Best greens for joint pain, swelling in the joints and is effective for rheumatoid arthritis .It is used in Indian traditional medicine system for the treatment of rheumatism and stiffness of limbs.
- Good source of pro vitamin A, Vitamins E,C and Carotenoids contributing to antioxidant and anti – inflammatory properties



  
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