

About us

The Green Brigade club of CEG is the only non-technical eco club on the green widespread campus of Anna University. Being the pioneer of promoting eco-friendliness and preserving the fraternity with Mother Earth, the club takes privilege in joining hands with many well-known NGOs who also work for similar causes.

The history of the club does run back to four years from date, which was when the club stepped the first stone of evolution. Since then, these have always been sincere, hard-working and dedicated volunteers who have been working for the various activities and events organized by the Green Brigade and thereby are molding themselves into energized environmentalists.

The Green Brigade club of CEG is always open to every student on the campus who is driven by a thought to preserve the elegance of our very own Mother Earth.

Motto:

It is the profound duty of every human being on this planet to pass on Mother Earth with all her beauty to the generation to come. There could be nothing more selfish that man could do than to relish all the givings of nature and leave none for the future.

The aim of the club is to take some time from yours schedule which is centered on you and only you to spend some time that is centered on us.

The club operates in two steps:

- 1) Experience the beauty of nature.
- 2) Preserve it because it deserves to be preserved.

The reason to work as these two steps is that only when each man feels and experiences the beauty of Earth, will he/she realize how necessary and important it is to preserve her just because she deserves it.

TEAM

DESIGNATION	NAME
President	R Janaki
Vice President	K Arun Kumar
Secretary	Kirubakaran.K

Treasurer	Hemalatha
Chairman [fellowships]	K.Abinesh Ravi
Chairman [events]	S.Mohamed Maideen Mustafa
chairman [projects]	N S Pradeep
Marketing Director	Kulanthai Tamilarasan.P
Industrial Relations Director	Sathya M

Events:

The events under the first category include:

- i. Trekking.
- ii. Bird watching.
- iii. Green hunt, Photo hunt & Treasure hunt.
- iv. Movie screening.

The activity under the second category includes:

- i. Sea turtle conservation.
- ii. Fellowships.
- iii. E-waste management.
- iv. Tree Labelling.

Trekking:

This activity is one of the most enchanting and enjoyable among all the activities. Every year, the members of the club engage in a trekking session.

Under the guidance and supervision of Forest Reserve officials, students trek a deep forest area. The experience is something that has to be felt and words cannot suffice to explain it.

Bird Watching:

Bird watching is another important activity. Here, the students travel to a sanctuary and observe the characteristics of the various species of birds over a period of time and try to study them.

Sea turtle conservation:

The Green Brigade club has a collaboration with Student Sea Turtle Corporation(SSTC, Chennai). During the month of December, January and February, the olive ridleys are misguided towards the land. In this period of time, we take these misguided olive ridleys and place them in the hatchery, where after a few days, when the turtles are matured enough to get back to their sea home, they are left back.

Fellowships:

The club is aiming at making this event as the signature event. Fellowships operates in four stages:

Step 1→ Find and analyze a village with a problem.

Step 2→ Draft the issues faced by the villagers.

Step3→Organise an event in a hunt to find an appropriate solution, in which the students will have to project their solution as projects.

Step4→Materialise the solution by tie-ups with reputed NGO's.

Tree labeling:

Tree labeling has emerged as a very successful event of the club. The student volunteer have designed a tree label for the trees in the campus which embodies the scientific name and the common name of the plant species. The club has organized a tree census in 110 acres spread campus documenting 2488 trees.

One day clean up!

The one day clean up activity is a cleanup campaign in the college in order to create awareness amongst the students. The events aim at inculcating a thought of a environment friendliness among students. The cleanup campaign will create a impact on students as how clean and better our campus can be, this will prevent them from littering it. The event is scheduled in the month of September and will be done in association with letsdoitworld organization.

Photo hunt

The event aims at making the students appreciate the scenic and natural value of the college and induce a concern towards nature.

Know your campus!

Flora:

The species include

Botanical name: *Adenanthera pavonina*

Family: Fabaceae - Mimosoideae



Biophysical limits

Altitude: 0-1 800 m, Mean annual temperature: 19-35 deg. C, Mean annual rainfall: 500-2 500 mm Soil type: Establishes well on fertile, well-drained loamy soils but poorly on heavy clays. Tolerates acidity, alkalinity, heavy and eroded soils, and waterlogged soils. Examples of soil types include, shallow sandy soils, laterite and loam laterite.

Botanical name: Albizia saman

Family: Fabaceae - Mimosoideae



Biophysical limits

Altitude: 0-1300 m, Mean annual temperature: 20-35 deg. C, Mean annual rainfall: 600-3000 mm Soil type: A. saman is normally found on neutral to moderately acid soils and can grow on soil with pH as low as 4.6. It grows on light or heavy soils and tolerates infertile or waterlogged conditions.

Botanical name: Azadirachta indica

Family: Meliaceae



Biophysical limits

Altitude: 0-1500 m, Mean annual temperature: Up to 40 deg. C, Mean annual rainfall: 400-1200 mm Soil type: It grows on a wide variety of neutral to alkaline soils but performs better than most species on shallow, stony, sandy soils, or in places where there is a hard calcareous or clay pan not far below the surface. It grows best on soils with a pH of 6.2-7.

Botanical name:Borassus flabellifer

Family:Arecaceae (Palm family)



Botanical name: Cassia fistula

Family: Fabaceae - Caesalpinioideae



Biophysical limits

Altitude: Mean annual temperature: 18-29 deg C Mean annual rainfall: 480-2 720 mm Soil type:
The tree prefers soils of pH 5.5-8.7

Botanical name:*Senna siamea*

Family:*Caesalpinaceae* (Gulmohar family)



Botanical name: Delonix regia

Family: Fabaceae - Caesalpinioideae



Biophysical limits

Altitude: 0-2000 m, Mean annual rainfall: Over 700 mm, Mean annual temperature: 14-26 deg C. Soil type: The species seems to tolerate many types of soils from clay to sandy, but it prefers sandy soils.

Botanical name: Guazuma ulmifolia

Family: Sterculiaceae



Biophysical limits

Altitude: 400-1200 m, Mean annual temperature: 24 deg. C, Mean annual rainfall: 600-1500 mm
Soil type: G. ulmifolia is widely adapted, growing in alluvial and clay soils.

Botanical name: Sausage Tree

Family: *Bignoniaceae* (Jacaranda family)



Botanical name: *Lannea coromandelica*

Family: *Anacardiaceae* (Cashew family)



Botanical name: *Leucaena leucocephala*
Family: Fabaceae - Mimosoideae



Biophysical limits

Altitude: 0-1500 (max. 2100) m, Mean annual temperature: 25-30 deg. C, Mean annual rainfall: 650-3000 mm Soil type: Performs optimally on calcareous soils but can be found on saline soils and on alkaline soils up to pH 8; it is not tolerant of acid soils or waterlogged conditions. *L. leucocephala* is known to be intolerant of soils with low pH, low phosphorus, low calcium, high salinity, high aluminium saturation and waterlogging and has often failed under such conditions

Botanical name: *Madhuca longifolia* var. *longifolia*
Family: Sapotaceae (mahua family)



Botanical name: *Peltophorum pterocarpum*
Family: Caesalpiniaceae (Gulmohar family)



Biophysical limits

Altitude: 0-1600 m Mean annual temperature: 22-32 deg C Mean annual rainfall: 1 500-4 500 mm Soil type: The tree prefers light to medium free draining alkaline soils although it also tolerates clay soils.

Botanical name: *Pongamia pinnata*
Family: Fabaceae - Papilionoideae



Biophysical limits

Altitude: 0-1 200 m, Mean annual temperature: 1-16 to 27-38(50) deg. C, Mean annual rainfall: 500-2 500 mm Soil type: *P. pinnata* can grow on most soil types; best growth is found on deep well-drained sandy loams with assured moisture, but it will also grow on sandy soils and heavy swelling clay soils. It does not do well on dry sands, although it tolerates saline conditions, alkalinity and waterlogged soils.

Botanical name: *Prosopis juliflora*

Family: Fabaceae - Mimosoideae

***Biophysical limits***

Altitude: 0-1 500 m, Mean annual temperature: 14-34 deg. C, Mean annual rainfall: 50-1 200 mm Soil type: It can grow on a variety of soils including rocky hills, saline flats, on shifting sand dunes and coastal sand, although it attains its best size in localities protected from wind and having the water table not far below the surface. It can grow in waterlogged conditions and is tolerant to high salinity.

Botanical name: *Spathodea campanulata*

Family: Bignoniaceae



Biophysical limits

Altitude: 0-2 000 m, Mean annual temperature: 27-30 deg. C, Mean annual rainfall: 1 300-2 000 mm Soil type: The African tulip tree develops best in fertile, deep, well-drained loams. Soil texture may range from loamy sands to clays, pH is between 4.5-8, and soil drainage may vary from poor to excessive.

Botanical name: *Sterculia foetida*

Family: Sterculiaceae



Biophysical limits

Soil type: It shows good adaptability to soil, but probably needs soils with sufficient moisture for optimum development.

Botanical name: *Syzygium cumini*

Family: Myrtaceae



Biophysical limits

Altitude: 0-1 800 m, Mean annual temperature: -2 to 48 deg. C, Mean annual rainfall: 900-1 000

mm or more Soil type: *S. cuminii* occurs in a great variety of soils and geological formations: alluvial, lateritic, sandy alluvia, marl and oolitic limestone. Such wide tolerance suggests many varieties, some of which will tolerate saline soil; it is commonly found on deep, rich, well-drained soils.

Botanical name: *Tabebuia rosea*

Family: Bignoniaceae



Biophysical limits

Altitude: Up to 1 200 m; Mean annual rainfall: 1 250- 2 500 mm; Mean annual temperature: 22-27 deg C. Soil type: *T. rosea* grows well in deep rich soil.

Botanical name: *Tamarindus indica*

Family: Fabaceae - Caesalpinioideae



Biophysical limits

Altitude: 0-1 500 m, Mean annual temperature : Up to 47 deg. C, Mean annual rainfall: 350-1 500 mm Soil type: It grows in most soils but prefers well-drained deep alluvial soil.

Botanical name: Thespesia populnea

Family: Malvaceae



Biophysical limits

Mean annual temperature: Can withstand temperatures as low as 4 deg. C, Mean annual rainfall: 1 000-5 000 mm Soil type: Soils are sandy, slightly alkaline and poor in nutrients.

Botanical name: Adansonia digitata

Family: Bombacaceae (baobab family)



Botanical name:Caesalpinia coriaria
Family:Caesalpiniaceae (Gulmohar family)



Botanical name:Caesalpinia pulcherrima forma flava
Family:Caesalpiniaceae (Gulmohar family)



Biophysical limits

Altitude: 0-200 m, Mean annual temperature: 7-18 to 37-48 deg. C, Mean annual rainfall: 750-5000 mm Soil type: C. inophyllum grows best on deep soil near the coast and will thrive on pure sand.

Botanical name:Caryota urens

Family:Arecaceae (Palm family)

**Fellowships:**

Our club being run by engineers aims at providing some engineering solution to environmental issues. On this note we identify a environmental problem with a help of NGO and bring it to students and find a technical solution to it.

This year,along with Environmental Foundation of India,plans to organize a study and implementing waste management techniques in Mudichur village a panchayat located 6kms west of Tambaram.

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