



MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)

Affiliated to Periyar University, Salem.

Accredited by NAAC with 'A' Grade & Recognized u/s 2(f) and 12(B) of the UGC Act 1956
Kalippatti - 637 501, Namakkal (Dt), Tamil Nadu.

7.1.5 GREEN CAMPUS INITIATIVES INCLUDE:

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

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7.1.5.1. RESTRICTED ENTRY OF AUTOMOBILES

- The college has deployed security personnel to monitor everyone at the entry and exit points in the campus and also to watch the movement of private four-wheeled vehicles in the campus.
- Carpooling system is being practised among the staffs to reduce the number of four wheelers entering the college.
- The entry of automobiles is restricted to maintain the serenity of the college.



RESTRICTED ENTRY OF AUTOMOBILES


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7.1.5.2. USE OF BICYCLES/ BATTERY POWERED VEHICLES

- College encourages the students to use bicycles by providing separate parking area.
- This practice of promotion is to alleviate congestion on and around campus; reducing the demand for automobile parking; enhancing safety for cyclists and pedestrians and reducing greenhouse gas emissions.



BATTERY POWERED VEHICLES

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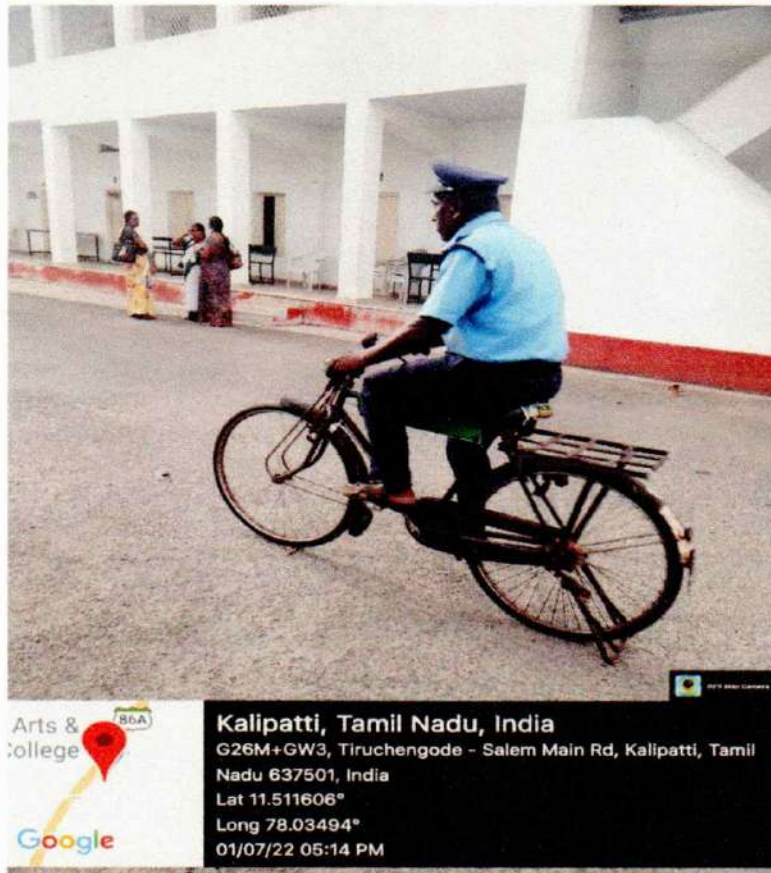
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Kalippatti, Tamil Nadu, India
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USE OF BICYCLE

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7.1.5.3. PEDESTRIAN FRIENDLY PATHWAYS

- College provides a wide area of pedestrian friendly pathways from the entrance to classes, library, auditorium, cafeteria and gym to reach destination quicker and to avoid overcrowding.



PEDESTRIAN FRIENDLY PATHWAYS


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7.1.5.4. BAN ON USE OF PLASTICS



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Name of the Activity	: Plastic Awareness Programme at Elampillai.
Issues Year of the Activity	: 8/08/2018
Department / Organization	: Computer Science & Applications
No of the Students Participated	: 66
No of the Students Staff	: 04
No. of Beneficiaries	: 70

Report: Plastic pollution is caused due to the accumulation of the waste plastic material in the environment. Plastic is a non bio-degradable substance. It doesn't get disposed off in the soil or water and its effect is worse when burnt. It is thus a challenge to dispose it off. It remains in the environment for hundreds of years and causes air, water and land pollution. It is hazardous for the humans, animals as well as the plants. Several animals, birds and marine creatures die due to plastic pollution each year.

To create awareness about Plastic waste the Faculty members and the students of Computer Science and Applications department have organized a rally "Say no to Plastic" on 18.08.2018 in Elampillai. We have started the rally by 10.00 am in Elampillai Santhaipeitai via Government Hospital and Bus Stand finally reached the Santhaipeitai. The rally is headed by Mrs.M.Sumathi, Head Computer Science and Applications. 50 Students have Participated accompanied by 4 Faculty members.


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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

EVENT: Plastic Awareness Programme at Elampillai on 18.08.2018



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PLASTIC AWARENESS PROGRAMME AT ELAMPILLAI

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7.1.5. LANDSCAPING OF TREES AND PLANTS

LANDSCAPING OF TREES AND PLANTS NUMBER OF TREES AND PLANTS AVAILABLE IN CAMPUS.

Totally 99 floral species were documented from Mahendra Arts and Science College campus.

- The campus is green with lush gardens, lawns and plants wherever there is open space.
- The eco-friendly ambience of the campus is a noteworthy feature of MASC Green belt is developed in 45,000 sq. ft. area. Greenery and shade area occupies 30% of the total campus area.
- Special initiatives are taken by the department of Biotectechnology to plant new saplings every year as a part of Eco – Club. Altogether, there are 99 plant species in the campus.
- The green campus improves aesthetics, provides shades, creates outdoor learning space, improves air quality, lowers stress levels and creates a campus brimming with nature.
- The proper placement of trees and shrubs reduces heat loss in the building during winter and less requirement of air conditioning during summer.


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LANDSCAPING OF TREES:



LANDSCAPING OF TREES

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S.No	Common Name	Scientific Name	Family	Total No. of Plants	Plant Photos
1.	Crepe Jasmine	<i>Tabernaemontana divaricata</i>	Apocynaceae	5	
2.	West Indian Jasmine	<i>Ixora</i>	Rubiaceae	20	
3.	Black nightshade	<i>Solanum nigrum</i>	Solanaceae	20	
4.	Oleander	<i>Nerium oleander</i>	Apocynaceae		






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5.	Hibiscus	<i>Hibiscus rosa-sinensis</i>	Malvaceae	72	
6.	Drumstick tree	<i>Moringaoleifera</i>	Moringaceae	12	
7.	Curry tree	<i>Murrayakoenigii</i>	Rutaceae	6	
8.	Coconut tree	<i>Cocos nucifera</i>	<u>Arecaceae</u>	25	
9.	Aloe vera	<i>Aloe barbadensis</i>	Asphodelaceae	9	


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10.	Weeping fig	<i>Ficusbenjamina</i>	Moraceae	14	
11.	Umbrella tree	<i>Scheffleraactinophylla</i>	Araliaceae	15	
12.	Cast iron plant	<i>Aspidistra elatior</i>	Asparagaceae	16	
13.	Lady Palm	<i>Rhapisexcelsa</i>	Arecaceae	17	
14.	European fan palm	<i>Chamaeropshumilis</i>	Arecaceae	19	

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15.	Mother in law's tongue (or) Snake Plant	<i>Dracaena trifasciata</i>	Asparagaceae	42	
16.	Madagascar Dragon Tree	<i>Dracaena Coloroma</i>	Asparagaceae	31	
17.	Heart leaf philodendron	<i>Philodendron sp.</i>	Araceae	6	
18.	Datura metel	<i>Datura stramonium</i>	Solanaceae	2	
19.	Samanthi	<i>Chrysanthemum sp.</i>	Asteraceae	6	


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20.	Casuarina Tree	<i>Casuarina equisetifolia</i>	Casuarinaceae	7	
21.	Eucalyptus tree	<i>Eucalyptus globulus</i>	Myrtaceae	5	
22.	Neem Tree	<i>Azadirachta indica</i>	Meliaceae	3	
23.	Lemon Tree	<i>Citrus limon</i>	Rutaceae	2	
24.	Mango Tree	<i>Mangifera indica</i>	Anacardiaceae	1	







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25.	Nettilingam	<i>Polyalthialongifolia</i>	Annonaceae	1	
26.	Indian almond	<i>Terminalia catappa</i>	Combretaceae	2	
27.	sapota	<i>Manilkarazapota</i>	Sapotaceae	1	
28.	Indian bay leaf	<i>Cinnamomumtamala</i>	Lauraceae	1	
29.	Cockscombs/wolflowers	<i>Celosia spicata</i>	Amaranthaceae	6	





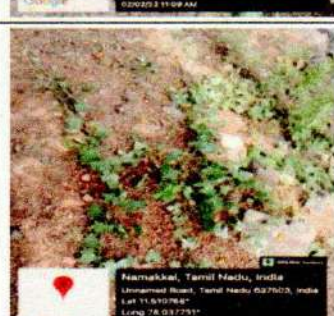
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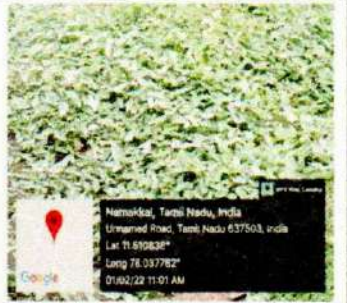

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30.	Areac palm/ butterfly palm	<i>Dypsislutescens</i>	Arecaceae	52	
31.	Garden croton	<i>Codiaeumvariegatum</i>	Euphorbiaceae	18	
32.	Song of India or song of Jamaica	<i>Dracaena reflexa</i>	Asparagaceae	43	
33.	Spider plant	<i>Chlorophytumcomosum</i>	Asparagaceae	20	
34.	Yellow bauhinia / yellow bell orchid tree	<i>Bauhinia tomentosa</i>	Fabaceae	7	







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35.	India Abutilon, Monkey Bush	<i>Abutilon indicum</i>	Malvaceae	20	
36.	Bright Eyes and Cape Periwinkle	<i>Catharanthus roseus (L.) G. Don.</i>	Apocynaceae	6	
37.	Butterfly Pea	<i>Clitoria ternatea (L.)</i>	Fabaceae	4	
38.	Veldt Grape Or Devil's Backbone	<i>Cissus quadrangularis L.</i>	Vitaceae	6	
39.	Ivy gourd	<i>Coccinia grandis (L.) Voigt</i>	Cucurbitaceae	5	


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40.	Bell Weed	<i>Ruellia prostrata</i> Poir	Acanthaceae	3	
41.	Banyan Tree	<i>Ficus bengalensis</i> L.	Moraceae	1	
42.	Beach Morning Glory	<i>Ipomea pes. kcaprae</i> (L) Sweet	Convolvulaceae	10	
43.	Yellow Flame tree	<i>Peltophorum pterocanum</i> (DC.) K. Heyne	Caesalpiniaceae	25	
44.	Mesquite	<i>Prosopis juliflora</i> (SW.) DC.	Mimosaceae	2	


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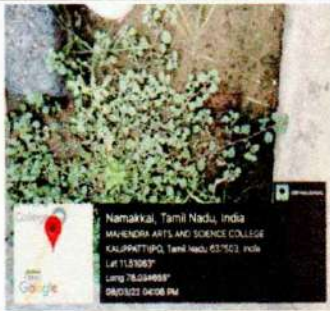




45.	garden purslane	<i>Portulacaoleracea</i>	Portulacaceae	16	
46.	slender amaranth	<i>Amaranthusviridis L.</i>	Amaranthaceae	100	
47.	Asthma-Plant	<i>Euphorbia hirta</i>	Euphorbiaceae	52	
48.	Bermuda grass	<i>CynodonDactylon</i>	Poaceae	More than 1000	
49.	Flame Tree	<i>Delonixregia</i>		2	

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50.	Desert Horse Purslane	<i>Trianthemadecandra</i>	Aizoaceae	20	
51.	Banana	<i>Musa paradisiaca</i>	Musaceae	31	
52.	Cape Honeysuckle	<i>Tecomacapensis</i>	Bignoniaceae	4	
53.	Santa-Maria, whitetop weed and carrot grass, congress grass	<i>Partheniumhysterophorus</i>	Asteraceae	50	
54.	Chinese chastetree	<i>Vitexnegundo</i>	Lamiaceae	1	

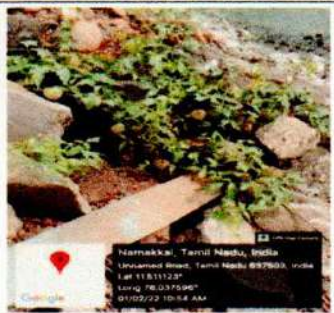

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55.	Bambusa vulgaris	Bambusoideae	Poaceae	58	
56.	Traveller's palm	Ravenalamadagascariensis	Strelitziaceae	4	
57.	the Indian elm or jungle cork tree,	Holoptelea integrifolia Planch.	Ulmaceae	1	
58.	Sweet Leaf Bush, Star Gooseberry, Multi vitamin	Sauropus androgynus	Phyllanthaceae	7	
59.	Red Pea Eggplant	Solanum trilobatum	Solanaceae	4	


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60.	purging nut, Barbados nut or physic nut	<i>Jatropha curcas</i>	Euphorbiaceae	2	
61.	Air Plant, Cathedral Bells,	<i>Kalanchoepinnata/Bryophyll umpinnatum</i>	Crassulaceae	4	
62.	Sacred fig	<i>Ficus religiosa</i>	Moraceae	1	
63.	Gale of the wind	<i>Phyllanthus niruri</i>	Phyllanthaceae	60	
64.	Royal palms	<i>Roystonea lenis</i>	Arecaceae/Pal mae	21	


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65.	Coatbuttons/tridax daisy	<i>Tridaxprocumbens</i>	Asteraceae	32	
66.	Indian Nettle	<i>Acalyphaindica</i>	Euphorbiaceae	46	
67.	Broadleaf Reedmace	<i>Typhalatifolia</i>	Typhaceae	More than 100	
68.	Scarlet Cordia/ Orange Geiger tree	<i>Cordia sebestena</i>	Boraginaceae	1	
69.	Balloon vine	<i>Cardiospermumhalicacabum</i>	Sapindaceae	12	







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70.	Malabar nut	<i>Justiciaadhatoda</i>	Acanthaceae	2	
71.	Halfa grass	<i>Desmostachyabipinnata</i>	Poaceae	1	
72.	Sweet flag	<i>Acoruscalamus</i>	Acoraceae	1	
73.	Garlic	<i>Allium sativum</i>	Alliaceae	1	
74.	Gooseberry	<i>Phyllanthusacidus</i>	Phyllanthaceae	1	







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75.	Foxtail palm	<i>Wodyetiabifurcata</i>	Areaceae	7	
76.	Lebbeck, Lebbek Tree, Flea Tree, Frywood, Koko	<i>AlbiziaLebbeck</i>	Fabaceae	1	
77.	The Lesser Bougainvillea Or Paper flower	<i>Bougainvillea glabra</i>	Nyctaginaceae	3	
78.	Mountain Knot Grass	<i>Aervalanata</i>	Amaranthaceae	12	
79.	Golden Trumpet Vine	<i>Allamandacathartica</i>	Apocynaceae	34	


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80.	Pencil cactus	<i>Euphorbia tirucalli</i>	Euphorbiaceae	1	
81.	Crabgrass	<i>Digitaria sanguinalis</i>	Poaceae	More than 100	
82.	Nalvelai	<i>Cleome gynandra</i>	Cleomaceae	26	
83.	Asian Spider Flower	<i>Cleome viscosa</i>	Cleomaceae	38	
84.	Crown Flower or Giant Milkweed	<i>Calotropis gigantea (L.) R.Br.</i>	Asclepidaceae	2	


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85.	Indian shot (Kalvazhai)	<i>Canna indica</i>	Cannaceae	2	
86.	False Waterwillow	<i>Andrographisechioides</i>	Acanthaceae	46	
87.	Yellow elder	<i>Tecomastans</i>	Bignoniaceae	23	
88.	Box Wood Shrub	<i>Buxus sempervirens</i>	Buxaceae	More than 1000	
89.	Fiery Costus or Spiral Flag/Insulin Plant	<i>Costus igneus/Chamaecostus cuspidatus</i>	Costaceae	2	

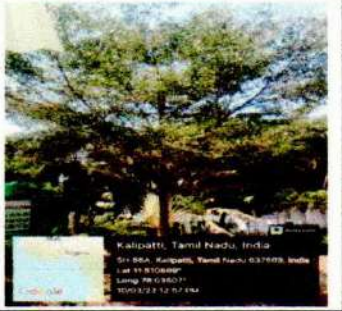

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90.	Gotu Kola/Asiatic pennywort	<i>Centellaasiatica</i>	Apiaceae	2	
91.	Taro	<i>Colocasia sp.</i>	Araceae	2	
92.	MohiniRhoeo Plant /Moses-in-the-cradle	<i>Tradescantiaspathacea</i>	Commelinaceae	100	
93.	Crossandra Red Plant	<i>Crossandrainfundibuliformis</i>	Acanthaceae	5	
94.	The Umbrella Papyrus, Umbrella Sedge or Umbrella Palm/	<i>Cyperusalternifolius</i>	Cyperaceae	4	


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95.	Giants Thuja Green Evergreen	<i>Thujaoccidentalis</i>	Cupressaceae	2	
96.	Singapore Cherry,	<i>Muntingiacalabura</i>	Muntingiaceae	1	
97.	Ash Plant/Texas Silver Leaf	<i>Leucophyllumfrutescens</i>	Scrophulariaceae	More than 1000	
98.	Bridal Bouquet	<i>Plumeriapudica</i>	Apocynaceae	252	
99.	Black-Honey Shrub	<i>Phyllanthusreticulatus</i>	Phyllanthaceae	1	


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100.	Indian laurel	Terminalia metalika	Combretaceae	20	
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