

GREEN AUDIT REPORT

2023 - 2024



KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)

Re-accredited by NAAC with 'A+' Grade (4th cycle)

College of Excellence (UGC)

#52 Rank among Colleges in NIRF

COIMBATORE – 641 029, TAMIL NADU

GREEN AUDIT REPORT

2023 – 2024

Kongunadu Arts and Science College (KASC) is one of the oldest colleges in Coimbatore, the western part of Tamil Nadu where agriculture and industrial developments are very progressive in Tamil Nadu. In addition to the best education for rural students, the college provides the best research opportunities and provision for extension activities for the interest of the common public. More than 50% of the students are mainly female gender almost in all subjects. The college is situated at the foothills of the Western Ghats at an altitude of 400 meters MSL. It indicates that it is very accessible to the vegetation and other landscapes of the Western Ghats, particularly the Nilgiris. The college administration has a keen interest in maintaining a green campus, an eco-friendly approach towards getting sustainable ecosystem service. “Green auditing” is practiced every year in order to improve environmental protection. The Department of Botany of KASC has been doing a green auditing process since 2014 – 2015. It includes auditing of the flora and fauna, plastic-free zones, green cover, solar energy, and usage of LED lights.

Flora

The list of trees, shrubs, climbers and herbs distributed in the college campus during the year 2023 -2024 is given below.

S. No.	Scientific Name	Family	Habit
1.	<i>Abutilon indicum</i>	Malvaceae	Herb
2.	<i>Abutilon crispum</i>	Malvaceae	Herb
3.	<i>Acacia nilotica</i>	Mimosaceae	Tree

4.	<i>Acalypha indica</i>	Euphorbiaceae	Herb
5.	<i>Acanthospermum hispidum</i>	Asteraceae	Herb
6.	<i>Achras sapota</i>	Sapotaceae	Tree
7.	<i>Achyranthes aspera</i>	Amaranthaceae	Herb
8.	<i>Aegle marmelos</i>	Rutaceae	Tree
9.	<i>Aerva lanata</i>	Amaranthaceae	Herb
10.	<i>Aerva tomentosa</i>	Amaranthaceae	Herb
11.	<i>Agave americana</i>	Agavaceae	Shrub
12.	<i>Ageratum conyzoides</i>	Asteraceae	Herb
13.	<i>Allamanda cathartica</i>	Apocynaceae	Herb
14.	<i>Albizia amara</i>	Mimosaceae	Tree
15.	<i>Albizia lebbek</i>	Mimosaceae	Tree
16.	<i>Aloe vera</i>	Liliaceae	Herb
17.	<i>Alternanthera pungens</i>	Amaranthaceae	Herb
18.	<i>Alternanthera sessilis</i>	Amaranthaceae	Herb
19.	<i>Alysicarpus monilifer</i>	Fabaceae	Herb
20.	<i>Alysicarpus vaginalis</i>	Fabaceae	Herb
21.	<i>Amaranthus spinosus</i>	Amaranthaceae	Herb
22.	<i>Amaranthus viridis</i>	Amaranthaceae	Herb
23.	<i>Andrographis paniculata</i>	Acanthaceae	Herb
24.	<i>Andrographis echinoides</i>	Acanthaceae	Herb
25.	<i>Annona squamosa</i>	Annonaceae	Tree
26.	<i>Anthurium andraeanum</i>	Araceae	Herb
27.	<i>Argemone mexicana</i>	Papaveraceae	Herb
28.	<i>Aristolochia indica</i>	Aristolochiaceae	Herb

29.	<i>Aristolochia bracteolata</i>	Aristolochiaceae	Herb
30.	<i>Asclepias curassivica</i>	Asclepiadaceae	Herb
31.	<i>Asystasia gangetica</i>	Acanthaceae	Herb
32.	<i>Azadirachta indica</i>	Meliaceae	Tree
33.	<i>Bambos arundinacea</i>	Poaceae	Tree
34.	<i>Barleria buxifolia</i>	Acanthaceae	Herb
35.	<i>Barleria cuspidata</i>	Acanthaceae	Herb
36.	<i>Bauhinia purpurea</i>	Caesalpinaceae	Tree
37.	<i>Bauhinia tomentosa</i>	Caesalpinaceae	Tree
38.	<i>Bidens pilosa</i>	Asteraceae	Herb
39.	<i>Blepharis repens</i>	Acanthaceae	Herb
40.	<i>Blumea lacera</i>	Asteraceae	Herb
41.	<i>Boerhaavia diffusa</i>	Nyctaginaceae	Climbing herb
42.	<i>Boerhaavia erecta</i>	Nyctaginaceae	Climbing herb
43.	<i>Bougainvillea glabra</i>	Nyctaginaceae	Shrub
44.	<i>Brachiaria ramosa</i>	Poaceae	Herb
45.	<i>Brachiaria mutica</i>	Poaceae	Herb
46.	<i>Brassica juncea</i>	Brassicaceae	Herb
47.	<i>Caesalpinia pulcherima</i>	Caesalpinaceae	Shrub
48.	<i>Callistemon lanceolatus</i>	Myrtaceae	Tree
49.	<i>Calotropis gigantea</i>	Asclepiadaceae	Shrub
50.	<i>Cardiospermum halicacabum</i>	Sapindaceae	Herb
51.	<i>Caryota urens</i>	Arecaceae	Shrub
52.	<i>Cassia auriculata</i>	Caesalpinaceae	Tree
53.	<i>Cassia fistula</i>	Caesalpinaceae	Tree

54.	<i>Cassia siamea</i>	Caesalpinaceae	Tree
55.	<i>Catharanthus roseus</i>	Apocynaceae	Herb
56.	<i>Celosia argentea</i>	Amaranthaceae	Herb
57.	<i>Chloris barbata</i>	Poaceae	Herb
58.	<i>Cleome pentaphylla</i>	Cleomaceae	Herb
59.	<i>Cleome viscosa</i>	Cleomaceae	Herb
60.	<i>Crotalaria juncea</i>	Fabaceae	Herb
61.	<i>Clitoria ternatea</i>	Fabaceae	Climbing herb
62.	<i>Coccinia indica</i>	Cucurbitaceae	Climbing herb
63.	<i>Coleus aromaticus</i>	Lamiaceae	Herb
64.	<i>Cocculus hirsutus</i>	Menispermaceae	Climbing herb
65.	<i>Commelina benghalensis</i>	Commelinaceae	Herb
66.	<i>Commelina diffusa</i>	Commelinaceae	Herb
67.	<i>Corchorus tridens</i>	Tiliaceae	Herb
68.	<i>Corchorus olitorius</i>	Tiliaceae	Herb
69.	<i>Cordia sebastiana</i>	Boraginaceae	Tree
70.	<i>Cissus quadrangula</i>	Vitaceae	Climbing herb
71.	<i>Crinum asiaticum</i>	Amaryllidaceae	Herb
72.	<i>Croton bonplandianum</i>	Euphorbiaceae	Herb
73.	<i>Cucumis colocynthis</i>	Cucurbitaceae	Climber
74.	<i>Cuscuta chinensis</i>	Convolvulaceae	Climber
75.	<i>Cyanotis axillaris</i>	Commelinaceae	Herb
76.	<i>Cynodon dactylon</i>	Poaceae	Herb
77.	<i>Cyperus difformis</i>	Cyperaceae	Herb
78.	<i>Cyperus rotundus</i>	Cyperaceae	Herb

79.	<i>Dactyloctenium rotundus</i>	Poaceae	Herb
80.	<i>Datura metel</i>	Solanaceae	Herb
81.	<i>Delonix regia</i>	Caesalpinaceae	Tree
82.	<i>Digera muricata</i>	Amaranthaceae	Herb
83.	<i>Digitaria longiflora</i>	Poaceae	Herb
84.	<i>Eclipta alba</i>	Asteraceae	Herb
85.	<i>Eragrostis riparia</i>	Poaceae	Herb
86.	<i>Emilia sonchifolia</i>	Asteraceae	Herb
87.	<i>Eucalyptus tereticornis</i>	Myrtaceae	Tree
88.	<i>Eupatorium odoratum</i>	Asteraceae	Shrub
89.	<i>Euphorbia heterophylla</i>	Euphorbiaceae	Herb
90.	<i>Euphorbia microphylla</i>	Euphorbiaceae	Herb
91.	<i>Euphorbia hirta</i>	Euphorbiaceae	Herb
92.	<i>Evolvulus alsinoides</i>	Convolvulaceae	Climber
93.	<i>Ficus religiosa</i>	Moraceae	Tree
94.	<i>Gloriosa superba</i>	Liliaceae	Climber
95.	<i>Gomphrena decumbens</i>	Amaranthaceae	Herb
96.	<i>Gymnema sylvestre</i>	Asclepiadaceae	Climber
97.	<i>Heliotropium indicum</i>	Boraginaceae	Herb
98.	<i>Hibiscus micranthus</i>	Malvaceae	Herb
99.	<i>Hibiscus ovalifolius</i>	Malvaceae	Herb
100.	<i>Hyptis suaveolens</i>	Lamiaceae	Herb
101.	<i>Ichnocarpus frutescens</i>	Apocynaceae	Tree
102.	<i>Imperata cylindrica</i>	Poaceae	Herb
103.	<i>Indigofera tinctoria</i>	Fabaceae	Herb

104.	<i>Ipomoea obscura</i>	Convolvulaceae	Climber
105.	<i>Ipomoea carica</i>	Convolvulaceae	Climber
106.	<i>Ipomoea pes-caprae</i>	Convolvulaceae	Climber
107.	<i>Ipomoea staphylina</i>	Convolvulaceae	Climber
108.	<i>Ixora coccinea</i>	Rubiaceae	Herb
109.	<i>Jutropha curcus</i>	Euphorbiaceae	Shrub
110.	<i>Justicia adhatoda</i>	Acanthaceae	Shrub
111.	<i>Justicia tranquebariensis</i>	Acanthaceae	Herb
112.	<i>Kyllinga triceps</i>	Cyperaceae	Herb
113.	<i>Lantana camara</i>	Convolvulaceae	Shrub
114.	<i>Lawsonia inermis</i>	Lythraceae	Shrub
115.	<i>Leucas aspera</i>	Lamiaceae	Herb
116.	<i>Leucas biflora</i>	Lamiaceae	Herb
117.	<i>Malvastrum coromandelianum</i>	Malvaceae	Herb
118.	<i>Mangifera indica</i>	Anacardiaceae	Tree
119.	<i>Martynia annua</i>	Pedaliaceae	Herb
120.	<i>Melia azadirachta</i>	Meliaceae	Tree
121.	<i>Michelia champaca</i>	Magnoliaceae	Tree
122.	<i>Millingtonia hortensis</i>	Bignoniaceae	Tree
123.	<i>Mimosa pudica</i>	Mimosaceae	Herb
124.	<i>Mimusops elengi</i>	Sapotaceae	Tree
125.	<i>Mirabilis jalapa</i>	Nyctaginaceae	Herb
126.	<i>Mollugo nudicaulis</i>	Aizoaceae	Herb
127.	<i>Morinda tinctoria</i>	Rubiaceae	Tree
128.	<i>Mukia maderaspatana</i>	Cucurbitaceae	Climber

129.	<i>Muntingia calabura</i>	Tiliaceae	Tree
130.	<i>Nerium indicum</i>	Apocynaceae	Shrub
131.	<i>Ocimum basilicum</i>	Lamiaceae	Herb
132.	<i>Ocimum sanctum</i>	Lamiaceae	Herb
133.	<i>Oldenlandia corymbosa</i>	Rubiaceae	Herb
134.	<i>Oldenlandia umbellata</i>	Rubiaceae	Herb
135.	<i>Oxalis corniculata</i>	Oxalidaceae	Herb
136.	<i>Oxalis latifolia</i>	Oxalidaceae	Herb
137.	<i>Polyalthia longifolia</i>	Annonaceae	Tree
138.	<i>Parthenium hysterophorus</i>	Asteraceae	Herb
139.	<i>Passiflora foetida</i>	Passifloraceae	Climber
140.	<i>Pavonia zeylanica</i>	Malvaceae	Herb
141.	<i>Pedaliium murex</i>	Pedaliaceae	Herb
142.	<i>Peltophorum ferrugineum</i>	Caesalpinaceae	Tree
143.	<i>Pergularia daemia</i>	Asclepidaceae	Climber
144.	<i>Peristrophe bicalyculata</i>	Acanthaceae	Herb
145.	<i>Perotis indica</i>	Poaceae	Herb
146.	<i>Phyllanthus amarus</i>	Euphorbiaceae	Tree
147.	<i>Phyllanthus maderaspatensis</i>	Euphorbiaceae	Herb
148.	<i>Physalis minima</i>	Solanaceae	Herb
149.	<i>Plumeria rubra</i>	Apocynaceae	Shrub
150.	<i>Plumeria alba</i>	Apocynaceae	Shrub
151.	<i>Polygala chinensis</i>	Polygalaceae	Herb
152.	<i>Pongamia pinnata</i>	Fabaceae	Tree
153.	<i>Portulaca pilosa</i>	Portulacaceae	Herb

154.	<i>Portulaca oleracea</i>	Portulacaceae	Herb
155.	<i>Prosopis juliflora</i>	Mimosaceae	Tree
156.	<i>Psidium guajava</i>	Myrtaceae	Tree
157.	<i>Quisqualis indica</i>	Mimosaceae	Shrub
158.	<i>Rawolfia tetraphylla</i>	Apocynaceae	Herb
159.	<i>Rhynchosia minima</i>	Fabaceae	Herb
160.	<i>Ruellia tuberosa</i>	Acanthaceae	Herb
161.	<i>Samanea saman</i>	Mimosaceae	Tree
162.	<i>Sida acuta</i>	Malvaceae	Herb
163.	<i>Sida cordifolia</i>	Malvaceae	Herb
164.	<i>Solanum nigrum</i>	Solanaceae	Herb
165.	<i>Solanum trilobatum</i>	Solanaceae	Climber
166.	<i>Spathodea campanulata</i>	Bignoniaceae	Tree
167.	<i>Spermacoce hispida</i>	Rubiaceae	Herb
168.	<i>Sporobolus coromandelianus</i>	Poaceae	Herb
169.	<i>Spathodea campanulata</i>	Bignoniaceae	Tree
170.	<i>Stachytarpheta jamaicensis</i>	Verbenaceae	Herb
171.	<i>Swietenia macrophylla</i>	Meliaceae	Tree
172.	<i>Tabernaemontana divaricata</i>	Apocynaceae	Shrub
173.	<i>Talinum potulacifolium</i>	Portulacaceae	Herb
174.	<i>Tecoma stans</i>	Bignoniaceae	Shrub
175.	<i>Tephrosia purpurea</i>	Fabaceae	Herb
176.	<i>Thespesia populnea</i>	Malvaceae	Tree
177.	<i>Thunbergia grandiflora</i>	Acanthaceae	Climber
178.	<i>Thunbergia mysorensis</i>	Acanthaceae	Climber

179.	<i>Tinospora cordifolia</i>	Menispermaceae	Climber
180.	<i>Trianthema portulacastrum</i>	Aizoaceae	Herb
181.	<i>Tribulus terrestris</i>	Zygophyllaceae	Herb
182.	<i>Tribulus longinosus</i>	Zygophyllaceae	Herb
183.	<i>Trichodesma indicum</i>	Boraginaceae	Herb
184.	<i>Tridax procumbens</i>	Asteraceae	Herb
185.	<i>Vernonia cinerea</i>	Asteraceae	Herb
186.	<i>Vicoa indica</i>	Asteraceae	Herb
187.	<i>Vitex negundo</i>	Verbenaceae	Tree
188.	<i>Waltheria indica</i>	Sterculiaceae	Herb
189.	<i>Wedelia chinensis</i>	Asteraceae	Herb
190.	<i>Zizyphus jujuba</i>	Rhamnaceae	Tree

Fauna

Since the campus has a high degree of green cover mainly due to trees, many avian fauna inhabit the institution. In addition, reptiles and rodents are also common on campus. Grains and water are also provided to the birds and other wild species by the students of biodiversity conservation interest. Some of the common fauna available on the college campus are given below.

List of the Avifauna of Kongunadu Arts and Science College (2023-2024)

Family Ardeidae (Heron, Egrets & Bitterns)

Conservation Status

- | | | |
|----------------------|-----------------------|---|
| 1. Cattle Egret | <i>Bubulcus ibis</i> | R |
| 2. Indian Pond-Heron | <i>Ardeola grayii</i> | R |

Family Accipitridae (Hawks, Eagles, Buzzards, Old World Vultures, Kites, Harriers)

- | | | |
|------------------|-------------------------|---|
| 3. Shikra | <i>Accipiter badius</i> | R |
| 4. Brahminy Kite | <i>Haliastur Indus</i> | R |

Family Phasianidae (Pheasants, Partridges, Quails)

- | | | |
|-------------------|----------------------------------|---|
| 5. Grey Francolin | <i>Francolinus pondicerianus</i> | R |
| 6. Indian Peafowl | <i>Pavo cristatus</i> | R |

Family Rallidae (Rails, Crakes, Moorhens, Coots)

- | | | |
|----------------------------|-------------------------------|---|
| 7. White-breasted Waterhen | <i>Amaurornis phoenicurus</i> | R |
|----------------------------|-------------------------------|---|

Family Charadriidae (Plovers, Dotterels, Lapwings)

- | | | |
|------------------------|-------------------------|---|
| 8. Red-wattled Lapwing | <i>Vanellus indicus</i> | R |
|------------------------|-------------------------|---|

Family Columbidae (Pigeons & Doves)

- | | | |
|---------------------------------------|----------------------------------|---|
| 9. Rock Pigeon (Blue Rock Pigeon) | <i>Columba livia</i> | R |
| 10. Laughing Dove (Little Brown Dove) | <i>Streptopelia senegalensis</i> | R |

Family Psittacidae (Parakeets)

- | | | |
|--------------------------|---------------------------|---|
| 11. Rose-ringed Parakeet | <i>Psittacula krameri</i> | R |
|--------------------------|---------------------------|---|

Family Cuculidae (Cuckoos, Malkohas & Coucals)

- | | | |
|----------------------------------|-----------------------------|----|
| 12. Pied Cuckoo (Jacobin Cuckoo) | <i>Clamator jacobinus</i> | WV |
| 13. Asian Koel | <i>Eudynamys scolopacea</i> | R |
| 14. Greater Coucal | <i>Centropus sinensis</i> | R |
| 15. Common hawk-cuckoo | <i>Hierococcyx varius</i> | R |

Family Tytonidae (Barn Owls)

16. Barn Owl	<i>Tyto alba</i>	R
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Family Strigidae (Owls)

17. Spotted Owlet	<i>Athene brama</i>	R
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Family Apodidae (Swifts)

18. House Swift	<i>Apus affinis</i>	R
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Family Alcedinidae (Kingfishers)

19. White-throated Kingfisher (White-breasted Kingfisher)	<i>Halcyon smyrnensis</i>	R
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Family Meropidae (Bee-eaters)

20. Green Bee-eater (Small Bee-eater)	<i>Merops orientalis</i>	R
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Family Coraciidae (Rollers)

21. Indian Roller	<i>Coracias benghalensis</i>	R
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Family Capitonidae (Barbets)

22. Coppersmith Barbet	<i>Megalaima haemacephala</i>	R
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Family Picidae (Woodpeckers)

23. Black-rumped Flameback (Lesser Golden-backed Woodpecker)	<i>Dinopium benghalense</i>	R
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Family Hirundinidae (Swallows & Martins)

24. Barn Swallow (Common Swallow)	<i>Hirundo rustica</i>	WV
25. Red-rumped Swallow	<i>Hirundo daurica</i>	R

Family Motacillidae (Wagtails & Pipits)

26. White-browed Wagtail (Large Pied Wagtail)	<i>Motacilla maderaspatensis</i>	WV
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Family Pycnonotidae (Bulbuls & Finchbills)

27. Red-vented Bulbul	<i>Pycnonotus cafer</i>	R
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Family Turdinae (Thrushes, Shortwings, Robins, Forktails, Wheaters)

28. Oriental Magpie-Robin	<i>Copsychus saularis</i>	R
29. Indian Robin	<i>Saxicoloides fulicata</i>	R
30. Pied Bushchat	<i>Saxicola caprata</i>	R

Family Timaliinae (Babblers, Laughingthrushes, Babaxes, Barwings, Yuhinas)

31. Jungle Babbler	<i>Turdoides striatus</i>	R
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Family Sylviinae (Goldcrest, Prinias, Tesias, Warblers)

32. Plain Prinia	<i>Prinia inornata</i>	R
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Family Dicaeidae (Flowerpeckers)

33. Pale-billed Flowerpecker (Tickell's Flowerpecker)	<i>Dicaeum erythrorhynchos</i>	WV
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Family Nectariniidae (Sunbirds & Spiderhunters)

34. Purple Sunbird	<i>Nectarinia asiatica</i>	R
35. Loten's Sunbird	<i>Cinnyris lotenius</i>	R

Family Estrildidae (Munias (Estrildid Finches))

36. Indian Silverbill (White-throated Munia)	<i>Lonchura malabarica</i>	R
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Family Passerinae (Sparrows)

37. House Sparrow	<i>Passer domesticus</i>	R
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Family Sturnidae (Starlings & Mynas)

38. Common Myna	<i>Acridotheres tristis</i>	R
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Family Oriolidae (Orioles)

39. Eurasian Golden Oriole	<i>Oriolus oriolus</i>	R
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Family Dicruridae (Drongos)

40. Black Drongo	<i>Dicrurus macrocercus</i>	R
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Family Artamidae (Woodswallows/Swallow-Shrikes)

41. Ashy Woodswallow	<i>Artamus fuscus</i>	WV
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Family Corvidae (Crows, Jays, Treepies, Magpies)

42. Rufous Treepie (Indian Treepie)	<i>Dendrocitta vagabunda</i>	R
43. House Crow	<i>Corvus splendens</i>	R
44. Large-billed Crow (Jungle Crow)	<i>Corvus macrorhynchos</i>	R

Note: Old name of the species given in a bracket

Terms used to indicate stratus:

NT: Near threatened

Vul: Vulnerable

CD: Conservation Dependent

R: Resident

WV: Winter Visitor

List of butterflies identified in the college campus (2023-2024)

Family	S.No.	Scientific Name
Papilionidae	1.	Common Rose (<i>Pachliopta aristolochiae</i>)
	2.	Crimson Rose (<i>Pachliopta hector</i>)
	3.	Common Mormon (<i>Papilio polytes</i>)
	4.	Blue Mormon (<i>Papilio polymnestor</i>)
	5.	Lime Butterfly (<i>Papilio demoleus</i>)
Pieridae	6.	Common Grass Yellow (<i>Eurema hecabe</i>)
	7.	Common Emigrant (<i>Catopsilia pomona</i>)
Nymphalidae	8.	Plain Tiger (<i>Danaus chrysippus</i>)
	9.	Common Crow (<i>Euploea core</i>)
	10.	Common Evening Brown (<i>Melanitis leda</i>)
	11.	Common Sailor (<i>Neptis hylas</i>)
	12.	Common Castor (<i>Ariadne merione</i>)
	13.	Blue Pansy (<i>Junonia orithya</i>)
	14.	Chocolate Pansy (<i>Junonia iphita</i>)
	15.	Danaid Eggfly (<i>Hypolimnas misippus</i>)

Lycaenidae	1. Common Cerulean (<i>Jamides celeno</i>) 16.Tiny Grass Blue (<i>Zizula hylax</i>) 17.Gram Blue (<i>Euchrysops cnejus</i>) 18.Plains Cupid (<i>Luthrodes pandava</i>) 19.African Babul Blue (<i>Azanus jesous</i>)
Hesperiidae	20.Grass Demon (<i>Udaspes folus</i>) 21.Common Red Eye (<i>Matapa aria</i>) 22. <i>Parnara sp</i>

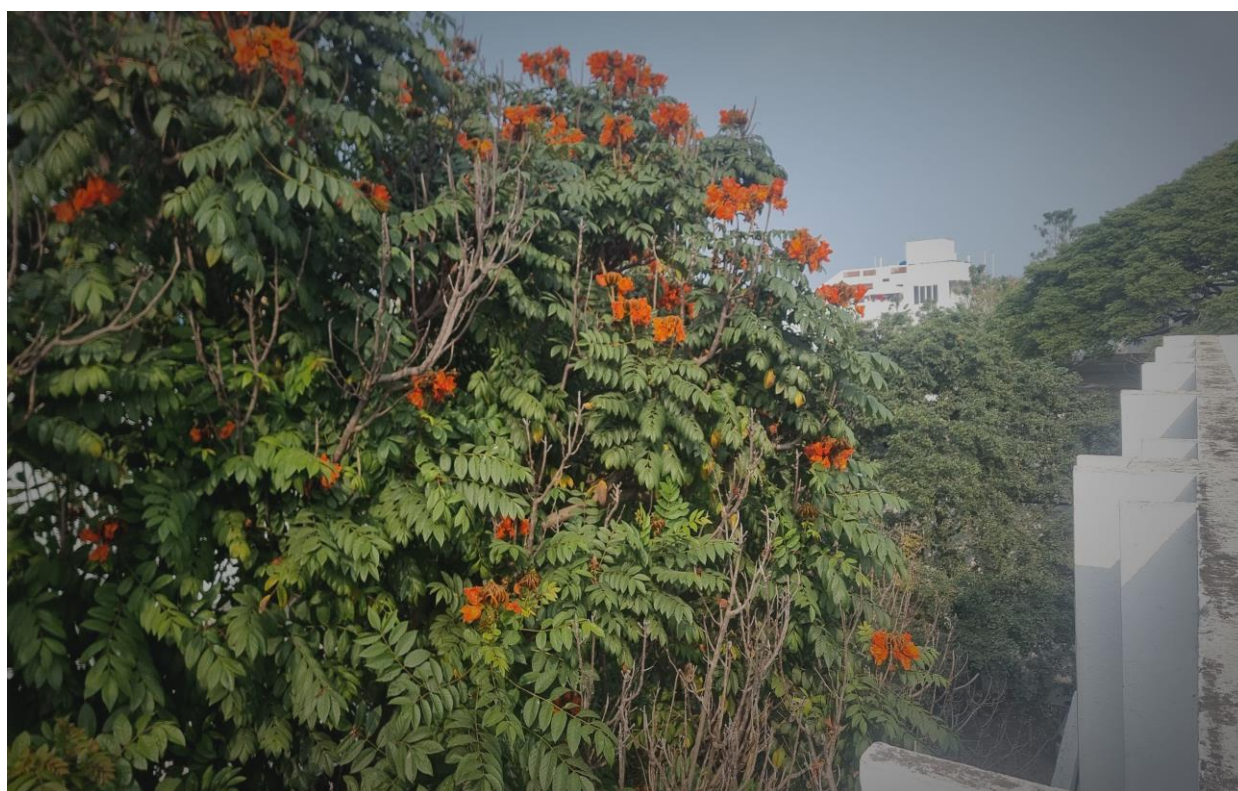
List of spider species identified in the college campus (2023-2024)

S. No.	Scientific Name	Common Name	Family
1.	<i>Argiope pulchella</i>	Garden cross spider	Araneidae
2.	<i>Argiope sp.</i>	Signature spider	
3.	<i>Cyrtophora cicatrosa</i>	Garden tent spider	
4.	<i>Gasteracantha geminata</i>	Garden spiny spider	
5.	<i>Neoscona mokerjei</i>	Common garden orb-weaver	
6.	<i>Hersilia savignyi</i>	Two- tailed spider	Hersiliidae
7.	<i>Lycosa sp.</i>	Soil lycosid spider	Lycosidae
8.	<i>Oxyopes lineatipes</i>	Lined lynx spider	Oxyopidae
9.	<i>Oxyopes shweta</i>	White lynx spider	
10.	<i>Oxyopes sunandae</i>	Orange lynx spider	
11.	<i>Crossopriza lyoni</i>	Box spider	Pholcidae
12.	<i>Pholcus phalangioides</i>	Long bodied cellar spider	
13.	<i>Hyllus semicupreus</i>	Heavy-bodied jumper	Salticidae
14.	<i>Plexippus petersi</i>	Small zebra jumper	

15.	<i>Plexippus</i> sp.	Jumping spider	
16.	<i>Telamonia dimidiata</i>	Two-striped jumper	
17.	<i>Heteropoda venatoria</i>	Common house spider	Sparassidae
18.	<i>Argyrodes</i> sp.	Dew drop spider	Theridiidae
19.	<i>Theridion manjithar</i>	Common comb footed spider	

Green cover

It is assessed that tentatively 39% of the geographical area of the campus was occupied by the green cover of the tree species. It is well beyond the standard prescribed by the Indian forest policy, 33%.



The green cover in the college campus

Rainwater harvesting

All over the campus, rainwater harvesting units were installed at 11 different places each with the size of 12' x 8' x 10' for rooftop water harvesting. In addition, a large-scale rainwater storage tank has been installed under an indoor open auditorium with a capacity of 1 Lakh liter. Apart from the rainwater harvesting unit, the surface water during rainy days was permitted to percolate in the soil to augment groundwater to the maximum extent. This is mainly due to the non-sealing of the earth's surface by the tiles, cement concretes, etc. wherever it is possible.



The rain water harvesting unit

Solar Energy

Solar energy production is an approach toward green energy. Thus, it reduces hazardous pollution in general and the college environment in particular. Solar energy can be used for different purposes, like water heating, laboratory

use, lighting bulbs, etc. A 150 KW solar panel was installed within the campus in January 2017. The power production for the institution use was about 500 units per day during the summer season.

Total energy consumption by solar panels in 2023 – 2024

Solar panel	Units
100 KW	86,120
50 KW	32,459
Total	1,18,579



Solar roof panels in the college campus

Inter and Intranet communications

An intranet facility was created for communicating the circulars and other information to staff members, scholars, and students. This reduced the stationery usage like papers considerably within the campus.

Light-emitting diode (LED) lights

LED lights can reduce energy usage by about 80% as compared with fluorescent and incandescent lights. Hence, tube lights and other CFL bulbs have been replaced with LEDs on our college campus. So far, a total LED lighting load of 25,260 KW has been used (like street lights, classroom lights, and focus lights).

Installation of LED lights

LED lights	Quantity (No.)	Watt	Total Watt
Street lights	42	40	1,680
Class room and Hostels	1020	20	20,400
Focus	2	35	70
	5	60	300
	1	70	70
	33	80	2640
	1	100	100
Total lighting load			25,260

Greenhouse

The greenhouse is designed for the protection of tender plants against excessive cold or heat. Recently, our college constructed a greenhouse (4' x 5') to protect some important ornamental and medicinal plants from the heat. Botany, Biochemistry, and Biotechnology departments have been using the greenhouse facility for research and nursery purposes.



The greenhouse facility in our college campus

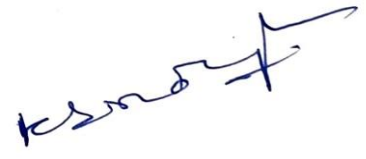
E-waste management

Our college signed a MoU with Green Era Recyclers, Coimbatore to recycle E-waste. During 2023 – 2024, about 500 kg of E-waste was collected from our college. This E-waste will be recycled and disposed of in a scientific and environmentally friendly manner.

Suggestions and Recommendations

1. Assign scientific names to the trees.
2. Encourage students and staff to use electric vehicles to reduce carbon footprints.
3. Organize awareness programmes on sustainable use of available resources.
4. A wastewater treatment plant should be installed to reuse the water.

Signature of the committee members

S. No.	Committee members	Signature
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