

SAHYADRI SCIENCE COLLEGE

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GREEN CAMPUS INITIATIVES

Plastic Free and Paper Free Campus

Concept of plastic free and paper free campus can be successfully implemented in the college. The college to take initiative to make the policy for same. It will help to do reduce the use of plastic and papers which will be a good contribution towards the sustainable environment. Single-use plastic items such as plastic bottles, bags, spoons, straws and cups are banned completely and awareness is created among staff and students through orientation and display boards in the premises. To restrict the use of plastic, measures have been taken to replace plastic tea cups and glasses with steel glasses in the canteen. The staff and students are informed to use steel or copper water bottles instead of plastic bottles. The institution also conducted Swachh Bharatha Abhiyan activities on the Ban on use of plastics and created awareness to the faculties the localities in and around the campus.



TREE PLANTATION

Tree-planting is the process of transplanting tree seedlings, generally for forestry, land reclamation, or landscaping purpose. It differs from the transplantation of large trees in

Reclamation or landscaping purpose.

Tree planting is carried out in many different parts of the world, and strategies may differ widely across nations and regions and among individual reforestation companies. Tree planting is grounded in forest science, and if performed properly can result in the successful regeneration of a deforested area. Reforestation is the commercial logging industry's answer to the large-scale destruction of old growth forests, but a planted forest rarely replicates the biodiversity and complexity of a natural forest.

Because trees remove carbon dioxide from the air as they grow, tree planting can be used as agro engineering technique to remove CO₂ from the atmosphere. Desert greening projects are also motivated by improved biodiversity and reclamation of natural water systems, but also improved economy and social welfare due to

increased number of jobs in farming and forestry. College has planted the trees campus area to make it more environments friendly. College conducts many tree plantation programs to encourage students and staffs for not only plantationthe trees but also nourish them to maintain environmental balance.



Tree Plantation activity

Restricted entry of vehicles

- All the vehicles of college staff/ faculty members should be getting the emission certification before entering the vehicle in college campus.
- The college encourages the employees and students to frequently use public transport, bicycles, etc. to limit the emissions.



RESTRICTED ENTRY OF AUTOMOBILES



PARKING AREA

PEDESTRIAN FRIENDLY PATHWAYS

Vehicle parking space is provided at the main entrance of the college campus. As the campus is vehicle free with some exceptions, students and staff experience comfort walking through the pedestrian friendly pathways. The internal roads are lined with trees and solar lights and they are properly maintained by the campus maintenance committee.



PEDESTRIAN FRIENDLY PATHWAYS

Green Landscaping with Trees and Plants

Sahyadri Science college, is known for its beautiful landscaping with trees and plants and park covers an area of 12976.00 Sqm. The college campus includes green spaces embellished with several native and non-native tree species, fruit trees, flowering and decorative plants and trees and plants of medicinal value. The biodiversity across campus not only ensures a noise-free campus off the main arterial road outside, but also maintains a cool environment inside the college premises. The trees attract a variety of birds, insects and other fauna. The green

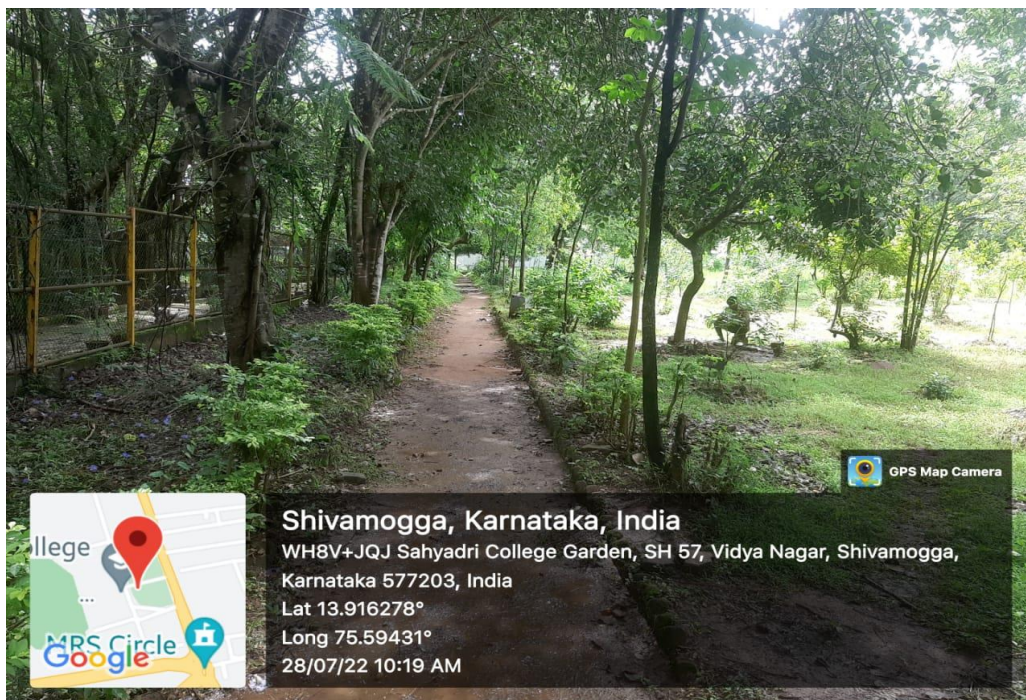
spaces in college are lovingly nurtured by college gardener Mr Narayan Rambade. Right at the entrance to the grand edifice of the college building is the Front Garden beautified with a variety of flowering and green plants and trees like coconut palms, amla, jamun, jackfruit, mango, papaya and neem trees. A beautiful pariyaat tree creates a white-orange carpet at the centre of the front garden. At the edges of the front garden are trees like tamarind, adalsa, noni on one side and kailashpati, akashneem white silk cotton and banyan trees on the other. The beautiful front garden leads on to the front porch of the main college building, a fitting green welcome into the cool environs of this hallowed institute. Entering the main building, moving towards the college canteen through the reception area, the 'first quad' with the basketball court and passing by the College Hall, one chances upon the soulful Peace Garden to the right. This garden is so named because of the 'Peace Pole' dug deep into the ground with the inscription 'May Peace Prevail on Earth'. The beautiful landscaping is thanks to a generous alumna and regular maintenance by Onward Technologies. A beautiful pebbled path runs through the Peace Garden. There are stone benches for students and staff to relax amidst the greenery. The common Staff Room overlooks the Peace Garden over the volley ball court. Staff members are seen to relax with their cup of tea and coffee or simply relax gazing at the green trees. The garden has traditional species like mango, amla, jackfruit, banana, kunti and coconut. It has the champa (Plumeria) and red bead trees. The Peace Garden is lined on two sides by fan palms that add to its beauty. A walk through this beautiful landscape simultaneously calms and pleases the mind. Crossing the college foyer and canteen area, one enters the Woods, the favourite haunt of students and staff across batches, across generations. Among this wooded landscape, life long memories are made. The Woods are so named because of the dense canopy that is present here. Tall trees like Bakul, Coconut, Sonchapha, Kokum, Christmas tree, as also the Jaam, Sitaphal, and Papaya grow in close proximity. Below the dense canopy are smaller flowering plants and croton species. This area has a tiled ledge that is often used as a seating space by students to eat their lunch, drink a beverage or simply sit and chat. The dense canopy provides shade from the hot sun and also provides a musical background with several birds singing on the tree branches. Across the Woods lining the undergraduate Chemistry laboratories are Ixora, crotons, the Devil's tree and Fan palms The tiled area adjacent to the wooded one had at one time lawn grass growing between the tiles, giving it a soothing green touch. The Woods remain the most visited spot of the college campus by all students. In addition to these three green spaces in college, the Department of Botany also maintains a Cacti and Grass garden and a mini Pond. The various cacti species and the beautiful pond water ecosystem with its typical plant species and guppy fish add beauty to the entire third floor terrace. The grasses also attract birds like munia, and beautiful Snowflake lilies blossom in the pond during the season. The Department of Botany regularly conducts a tree census within campus, documenting all the plant and tree species present. List of plants and trees present in sahyadri science college campus shivamogga

Sl.No	Botanical Name	Family	Common Name
1	<i>Acalypha amentacea</i>	Euphorbiaceae	Copper leaf
2	<i>Adenium obesum</i>	Apocynaceae	Desert Rose
3	<i>Adenantha pavonina</i>	Fabaceae	Red bead tree(Goonja)
4	<i>Aglaonema crispitina</i>	Araceae	Chinese evergreen

5	<i>Alstonia scholaris</i>	Apocynaceae	Devil's Tree
6	<i>Alternanthera ficoidea</i>	Amaranthaceae	Kausal
7	<i>Anona reticulata</i>	Annonaceae	Ramphal
8	<i>Annona squamosa</i>	Annonaceae	Sitaphal
9	<i>Araucaria heterophylla</i>	Araucariaceae	Christmas Tree
10	<i>Artocarpus heterophyllus</i>	Moraceae	Jackfruit
11	<i>Azadirachta indica</i>	Meliaceae	Neem
12	<i>Bambusa vulgaris</i>	Poaceae	Bamboo
13	<i>Barringtonia asiatica</i>	Lecythidaceae	Fish Poison tree
14	<i>Bougainvillea glabra</i>	Nyctaginaceae	Paper flower
15	<i>Bougainvillea spectabilis</i>	Nyctaginaceae	Bougainvillea (Paper Flower)
16	<i>Caladium bicolor</i>	Araceae	Elephant ear/Angel wings
17	<i>Cassia fistula</i>	Caesalpinae	Golden shower
18	<i>Anacardium occidentale</i>	Anacardiaceae	Cashew
19	<i>Mangifera indica</i>	Anacardiaceae	Mango
20	<i>Artabotrys odotissimus</i>	Annonaceae	Monoranjini
21	<i>Acacia feregina</i>	Mimosae	Bannimara
22	<i>Couravapita guinnensis</i>	Leupthidacea	Nagalinga pushpa
23	<i>Dombeya spectabilis</i>	Malvaceae	Maple leaved domb eye
24	<i>Hibiscus rosa-sinensis</i>	Malvaceae	China rose
25	<i>Pelliforum ferruginionum</i>	Caesalpinae	Copper pad tree
26	<i>Parkia biglandulosa</i>	Mimosae	partia

27	<i>Ficus religiosa</i>	Moraceae	Peepaltree
28	<i>Ficus glomerata</i>	Moraceae	Basarimara
29	<i>Ficus elastica</i>	Moraceae	Indian rubber plant
30	<i>Ficus krishnae</i>	Moraceae	Krishna fig
31	<i>Ficus benzaomina</i>	Moraceae	Weeping fig
32	<i>Podocarpus macrophyllus</i>	Podocarpaceae	Yew plum pine
33	<i>Thuja occidentalis</i>	Cupressaceae	White- cedar
34	<i>Cupressus sempervirens</i>	Cupressaceae	Mediterranean cypress
35	<i>Lamia furfura</i>	Lamiaceae	Cardboardcycad
36	<i>Cycas revdecta</i>	Cyacadacena	Sage palm
37	<i>Caryo taurens</i>	Aracaceae	Toddy palm
38	<i>Hyop herbs longicaulis</i>	Aracaceae	Bottle palm
39	<i>Ravenella madagarensis</i>	Aracaceae	Trovellers tree
40	<i>Holmskioldia sanguinea</i>	Verbeaceae	Cup and saucer plant
41	<i>Baugonvillea</i>	Xlyetaginaceae	Paper flower plant
42	<i>Tecoma stans</i>	Begnoniaceae	Yellow bells
43	<i>Spathodia companulata</i>	Begnoniaceae	Spathodia
44	<i>Millingtonia grandiflora</i>	Begnoniaceae	Akasha mallige
45	<i>Tectona grandis</i>	Verbenacea	Teak
46	<i>Dendrocalamus roting</i>	Poaceae	Kirubidiree
47	<i>Sterilitzia reginae</i>	Muscaceae	Birds paradise
48	<i>Heliconia rostrats</i>	Muscaceae	False birds of paradise
49	<i>Callistemon lanceolatus</i>	Mystaceae	Guava tree
50	<i>Calliandra haematocephala</i>	Mystaceae	Bottle brush tree
51	<i>Enterolobium samar</i>	Mimosae	Rain tree
52	<i>Aegle marmelos</i>	Rutoceae	Holedasawala
53	<i>Legerstromia parviflora</i>	Lepthroceae	Bettakonagille
54	<i>Dilliinia indica</i>	Dillininceae	Blue sky flower
55	<i>Thunbargia grandiflora</i>	Acanthaceae	Bell flower tree
56	<i>Thevisis peruviana</i>	Apocyanaceae	Gantehoovu
57	<i>Santalum album</i>	Sentalaceae	Sandal

58	<i>Swietenia mahagoni</i>	Melinaceae	Mahagony tree
59	<i>Azadirachta indica</i>	Oxliaceae	Neem
60	<i>Melia azadirachta</i>	Oxliaceae	Hucchu beevu
61	<i>Lawsonia inermis</i>	Lythraceae	Henna
62	<i>Sapindus saponaria</i>	Sapindaceae	Soapnut
63	<i>Pongamia glabra</i>	Peplionate	Honge
64	<i>Dalbergia sissoo</i>	Peplionate	Sisham tree
65	<i>Allamanda cathartica</i>	Apocyanaceae	Allamande
66	<i>Anthocephalus cadamba</i>	Pubiaceae	Cadamnba tree
67	<i>Syzygium cumini</i>	Mystaceae	Nerale
68	<i>Schefflera arboricola</i>	Araliaceae	Umbrella tree
69	<i>Tethonia diversifolia</i>	Compositae	Tree mari gold
70	<i>Kigolia pinnata</i>	Bigniniaceae	Sausage tree
71	<i>Delonix regia</i>	Caesalpinae	Gulmohr
72	<i>Nyctanthes arbor-tristis</i>	Oleaceae	Parijata
73	<i>Pinus roxburghii</i>	Penaceae	Pine
74	<i>Malpighia glabra</i>	Malpighiaceae	Barbodoscherry
75	<i>Dalbergia latifolia</i>	Papilionatae	Rosewood
76	<i>Butea frondosa</i>	Papilionatae	Flame of forest
77	<i>Saraca indica</i>	Caesalpinae	Ashokatree
78	<i>Polyalthia longifolia</i>	Annonaceae	False Ashoka tree
79	<i>Eucalyptus indica</i>	Mystaceae	Neelagiri
80	<i>Jacaranda mimosifolia</i>	Bigniniaceae	Jacaranda
81	<i>Plumaria alba</i>	Apocyanaceae	White plumina
82	<i>Plumaria rubra</i>	Apocyanaceae	Pink Flower
83	<i>Plumaria pudica</i>	Apocyanaceae	Bridal bouquet
84	<i>Muntingia calabura</i>	Teliaceae	Singapore cherry



Landscaping with trees and plants