

TREE DIVERSITY OF GURU NANAK COLLEGE BUDHLADA, MANSA

Guru Nanak College is within the geo-position between latitude 27.200 N and longitude 77.49° E in Budhlada (Mansa), Punjab, India. It encompasses an area of approximate 11 acre. The area is immensely diverse with a variety of tree species performing a variety of functions. Most of these tree species are planted in different periods of time through various plantation programmes organized by the authority and have become an integral part of the college. The trees of the college have increased the quality of life, not only the college fraternity but also the people around of the college in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting wildlife, controlling climate by moderating the effects of the sun, rain and wind. Leaves absorb and filter the sun's radiant energy, keeping things cool in summer. Many species of birds are dependent on these trees mainly for food and shelter. Nectar of flowers and plants is a favourite of birds and many insects. Leaf – covered branches keep many animals, such as birds and squirrels, out of reach of predators. Different species display a seemingly endless variety of shapes, forms, texture and vibrant colours. The strength, long lifespan and regal stature of trees give them a monument – like quality. They also remind us the glorious history of our institution in particular. We often make an emotional connection with these trees and sometime become personally attached to the ones that we see every day. A thick belt of large shady trees in the periphery of the college have found to be bringing down noise and cut down dust and storms. Thus, the college has been playing a significant role in maintaining the environment of the entire Budhlada town in its surrounding areas. The following are the tree species with whom we are being attached-

Sr.No	Name of Plant	Botanical Name	Family	No. of plants
1	Ficus	Ficus sp.	Moraceae	190
2	Alstonia	Alstonia scholaris	Apocyanaceae	5
3	Amaltas	Acacia fistula	Fabaceae	6
4	Amla	Phyllanthus emblica	Phyllanthaceae	12
5	Arjun	Terminalia arjuna	Combretaceae	11
6	Ashoka Tree	Saraca asoca	Caesalpiniaceae	40
7	Bohad/ Banyan	Ficus benghalensis	Moraceae	03
8	Hibiscus	Hibiscus sp.	Malvaceae	31
9	Ber	Ziziphus mauritiana	Rhamnaceae	9
10	Araucaria	Araucaria sp.	Araucariaceae	02
11	Bottlebrush	Callistemon viminalis	Myrtaceae	04



12	BottlePalm	Hypophorbelagenicaulis	Arecaceae	43
13	Areca palm	Dypsislutescens	Arecaceae	06
14	Date palm (Phoenix plam)	Phoenix sp.	Arecaceae	45
15	Cheeku	Manilkarazabota	Asparagaceae	1
16	Lantena (West Indian Lantana)	Lantenacamra	Verbenaceae	14
17	Cycas	Cycasrevoluta	Cycadaceae	9
18	Dek	Meliaazedarch	Meliaceae	11
19	China palm	Livistona Chinensis	Arecaceae	01
20	Golden shower tree	Cassia fistula	Fabaceae	01
21	Chandni	Tabernaemontanadivaricata	Apocynaceae	04
22	Double Chandni	Tabernaemontanadivaricata	Apocynaceae	03
23	Guava	Psidiumguajava	Myrtaceae	32
24	Rose (Gulab)	Rosa indica	Rosaceae	18
25	Kadam (Burflower Tree)	Neolamarckiacadamba	Rubiaceae	03
26	Gulmohar	Delonixregia	Fabaceae	9
27	Harshingar	Nyctanthesarbortristis	Oleaceae	01
28	Cheel tree (Narrow leaved paperbark)	Melaleuca alternifolia	Myrtaceae	01
29	Jamun	Syzygiumcumini	Myrtaceae	02
30	Jatropha	Jatrophacurcus	Euphorbiaceae	02
31	Kachniar	Bauchiniavariegata	Caesalpinaceae	02
31	Kachniar	Bauchiniavariegata	Caesalpinaceae	01
32	Nolina (Ponytail palm)	Beaucarnearecurvata	Asparagaceae	04
33	Washingtonia tree (Maxican Fan plam)	Washingtoniarobusta	Arecaceae	51
34	Lasuda	Cordiamyxa	Boraginaceae	01
35	Mango	Mangiferaindica	Anacardiaceae	03



36	Neem	Azadirachta indica	Meliaceae	30
37	Peepal	Ficus religiosa	Moraceae	02
38	Rabishpalms	Rhapis excelsa	Arecaceae	09
39	Rubber Plant	Ficus elastica	Moraceae	01
40	Safeda	Eucalyptus obliqua	Myrtaceae	11
41	Sarien	Albizia lebbek	Fabaceae	01
42	Sukhchain	Milletia pinnata	Fabaceae	43
43	Tahli	Delonix regia	Fabaceae	16
44	Tecona	Tecona sp.	Bignoniaceae	09
45	Cupressus	Cupressus sp.	Cupressaceae	01
46	Ixora (West Indian Jasmine)	Ixora sp.	Rubiaceae	03
47	Furcraea	Furcraea sp.	Asparagaceae	02
48	White Marigold	Caltha sp.	Ranunculaceae	100
49	Baheda	Terminalia bellirica	Combretaceae	14
50	Coral tree	Erythrina variegata	Fabaceae	02
51	Graps	Vitis vinifera	Vitaceae	20
52	Pear	Pyrus	Rosaceae	10
53	Pomegranate	Punica granatum	Lythraceae	10
54	Peach	Prunus persica	Rosaceae	05
55	Lemon	Citrus limon	Rutaceae	05
56	Phalsa	Grewia asiatica	Malvaceae	10
57	Bougainvillea	Bougainvillea sp.	Nyctaginaceae	10



Floral Diversity in GNC College Campus

Ashoka tree Plantation on road side in campus



Different type of plantation in lawn



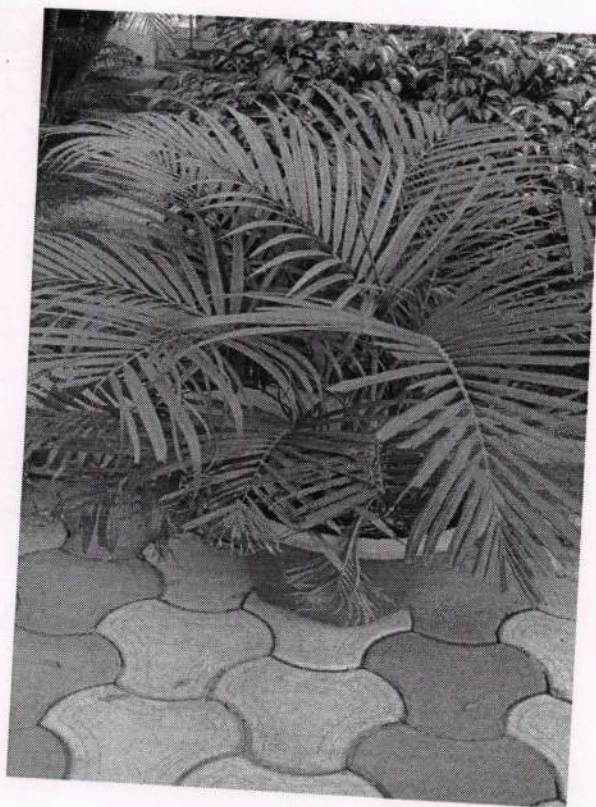


View of lawn near administration block

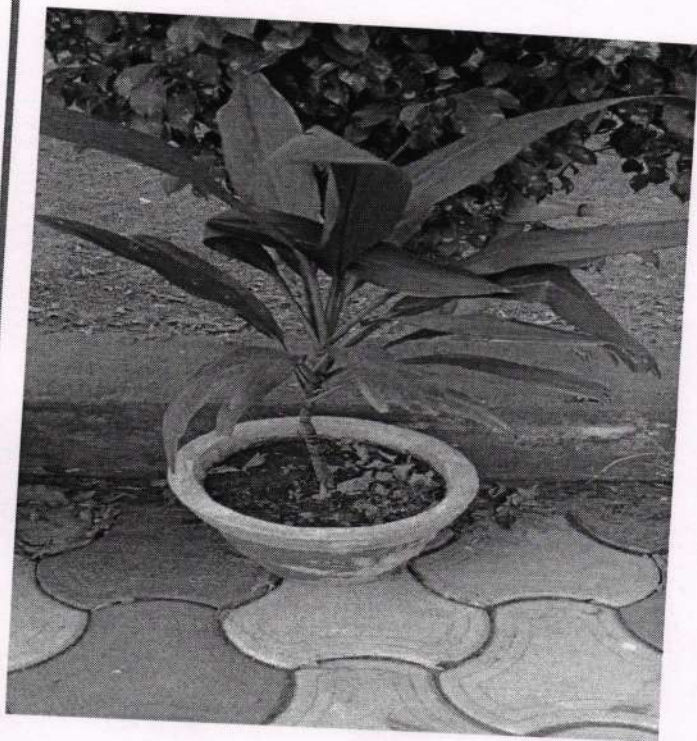




Christmas Plant in pot



Areca Palm plant in pot





Snak plant in pot



Silver yucca plant



