



Green and Environment Audit Report 2023-2024 Nanda
Nath Saikia College, Titabar, Jorhat



Green Belt Area & Biodiversity

The green belt area is intended to preserve the environment and enhance the aesthetic value of the college grounds. To ensure that the structures correspond to green and sustainability requirements, the college's green area encompasses the plants, vegetation, and sustainability of the campus. Additionally, this aids in making sure that the environmental policies are implemented, sustained, and evaluated through various environmental awareness initiatives.

Green Belt: Initiatives

The college campus is located in the vicinity of approximately more than 79 plant species (Table 1). Neem, Indian Blackberry Tree, Mango Tree, Krinasura, Devadaru, Thuja, Jack fruit trees, and Spanish cherry are the dominant plant species in the green belt area. Various tree plantation programs are being organized during the month of July, August and September at college campus and surrounding villages through the initiatives of National service scheme (NSS) unit and Department of Botany. These plantation programs help in encouraging the eco-friendly environment which provides pure oxygen within the college premises and awareness among the local people and society. The plantation program includes the planting of various types of economically important plant species including the herbs, shrubs, and tress. Instead of maintaining biodiversity, the similar species are also being planted for example "NEEM" based on its immense potential in maintaining ecosystem sustainability and air purification properties.


Table 1: The prominent plant species available at the Nanda Nath Saikia college campus.
(The lists mentioned are presently available in the college campus. The data is generated based on our green audit recently made in November, 2024).

Sl. No.	English name	Local name	Scientific name	Family	Habit	Total (Nos.)
1.	Jujube	Bogori	<i>Ziziphus zuzube</i> Mill.	Rhamnaceae	Tree	05
2.	Indian Coral Tree	Modar	<i>Erythrina variegata</i> L.	Fabaceae	Tree	05
3.	Jackfruit	Kothal	<i>Artocarpus heterophyllus</i> Lam.	Moraceae	Tree	06
4.	Mango	Aam	<i>Mangifera indica</i> L.	Anacardiaceae	Tree	11
5.	Ceylon Ironwood(Nahar flower)	Nahar	<i>Mesua ferrea</i> L.	Calophyllaceae	Tree	12
6.	Coconut Tree	Narikol	<i>Cocos nucifera</i> L.	Arecaceae	Tree	04
7.	Margosa plant	Neem	<i>Azadirachta indica</i> A. Juss	Meliaceae	Tree	13
8.	Night-floweringJasmine	Sewali	<i>Nyctanthes arbor-tristis</i> L.	Oleaceae	Tree	12
9.	Rosy Trumpet Tree	Pink poui	<i>Tabebuia rosea</i> DC.	Bignoniaceae	Tree	01
10.	Arjun Tree	Arjun	<i>Terminalia arjuna</i> (Roxb.) Wight & Arn.	Combretaceae	Tree	05
11.	Date palm	Khejur	<i>Phoenix dactylifera</i> L.	Arecaceae	Tree	05
12.	Guava	Modhuriam	<i>Psidium guajava</i> L.	Myrtaceae	Tree	12
13.	Hog plum	Amara	<i>Spondias mombin</i> L.	Anacardiaceae	Tree	01
14.	Indian Fir Tree	Debadaru	<i>Polyalthia longifolia</i> (Sonn.) Thwaites	Annonaceae	Tree	08
15.	Golden Shower	Sonaru	<i>Cassia fistula</i> L.	Fabaceae	Tree	08
16.	Kassod Tree	Cassia	<i>Senna siamea</i> (Lam.) Irwin et Barneby	Caesalpiniaceae	Tree	04
17.	Chebulic myrobalan	Xilikha	<i>Terminalia chebula</i> Retz.	Combretaceae	Tree	04
18.	Olive	Jolphai	<i>Elaeocarpus floribundus</i> Bl.	Elaeocarpaceae	Tree	02
19.	The Coral ReefAraucaria	ChristmasTree	<i>Araucaria columnaris</i> J.R.Forst. Hook.	<i>Araucaria columnaris</i> J.R.Forst. Hook.	Tree	06
20.	Northern white-cedar	Thuja	<i>Thuja occidentalis</i> L.	Cupressaceae	Tree	20


21.	Jungle geranium	Rogiyal-phul	<i>Ixora coccinea</i> L.	Rubiaceae	Shrub	03
22.	Blue gum	<i>Eucalyptus</i>	<i>Eucalyptus globules</i> Labill.	Myrtaceae	Tree	03
23.	Elephant apple	Outenga	<i>Dillenia indica</i> L.	Dilleniaceae	Tree	01
24.	Amla	Amlokhi	<i>Emblica officinalis</i> L.	Phyllanthaceae	Tree	02
25.	Indian chestnut vine	Nol-tenga	<i>Tetrastigma leucostaphylum</i> (Dennst.) Alston ex Mabb.	Vitaceae	Creeper	01
26.	Jambul	Bor Jamu/Jamun	<i>Syzygium cumini</i> L.	Myrtaceae	Tree	01
27.	Agarwood	Sanchi	<i>Aquilaria malaccensis</i> Lam.	Thymelaeaceae	Tree	07
28.	Spanish cherry	Bokul	<i>Mimusops elengi</i> L.	Sapotaceae	Tree	01
29.	Queen's Crape-myrtle	Azar	<i>Lagerstroemia indica</i> L.	Lythraceae	Tree	01
30.	Queen sago	Cycas	<i>Cycas circinalis</i> L.	Cycadaceae	Tree	02
31.	Horseshoe vitex	Posottia	<i>Vitex negundo</i> L.	Lamiaceae	Shrub	01
32.	Datura	Thorn apple	<i>Datura stromonium</i>	Solanaceae	Shrub	01
33.	China rose	Rokta-joba	<i>Hibiscus rosa-sinensis</i> L.	Malvaceae	Shrub	01
34.	Mulberry plant	Nooni	<i>Morus alba</i> L.	Moraceae	Shrub	03
35.	Tea plant	Cha	<i>Camellia sinensis</i> (L.) Kunze	Theaceae	Shrub	01
36.	Indian soapberry	Monisal	<i>Sapindus mukorossi</i> Gaertn.	Sapindaceae	Tree	01
37.	Heart-leavedmoonseed	Giloi	<i>Tinospora cordifolia</i> (Thunb.) Miers	Menispermaceae	Climber	01
38.	Skunkvine	Bhadailota	<i>Paederia foetida</i> L.	Rubiaceae	Climber	01
39.	Tamarind	eteli	<i>Tamarindus indica</i> L.	Fabaceae	Tree	01
40.	Orchid Tree	Kanchan	<i>Bauhinia variegata</i> (L.) Benth	Fabaceae	Tree	02
41.	Poinciana	Radhachura	<i>Caesalpinia pulcherrima</i> (L.) Sw	Fabaceae	Tree	01
42.	Burmese grape	Leteku	<i>Baccaurea sapida</i> (Roxb.) Müll.Arg.	Phyllanthaceae	Tree	01
43.	Indian Date	Khejur	<i>Phoenix sylvestris</i> (L.) Roxb.	Arecaceae	Tree	01
44.	Black pepper	Jaluk	<i>Piper nigrum</i> L.	Piperaceae	Tree	01
45.	Champak	Champa phul	<i>Michelia champaca</i> (L.) Baill. ex Pierre	Magnoliaceae	Tree	01
46.	Asian pigeonwings	Aparajita	<i>Clitorea ternatea</i> L.	Fabaceae	Shrub	02
47.	Ceylon cinnamon	Dalchini	<i>Cinnamomum zeylanicum</i> L.	Lauraceae	Shrub	02

48.	Teak	Segun	<i>Tectona grandis</i> L.f.	Lamiaceae	Tree	02
49.	Black plum	Jamun	<i>Syzygium cumini</i> (L.) Skeels	Myrtaceae	Tree	02
50.	Wild hops	Makhiyati	<i>Flemingia strobilifera</i> (L.) W.T.Aiton	Myrtaceae	Tree	02
51.	Holy basil	Tulsi	<i>Ocimum sanctum</i> L.	Lamiaceae	Shrub	02
52.	Drumstick	Sajina	<i>Moringa pterygosperma</i> Lam.	Moringaceae	Tree	01
53.	Golden dewdrop	Duranta-kanta	<i>Duranta erecta</i> L.	Verbenaceae	Shrub	01
54.	Star fruit	Kordoi	<i>Avorrohea carambola</i> L.	Oxalidaceae	Tree	01
55.	Nemu tenga	Lemon	<i>Citrus limon</i> (L.) Osbeck	Rutaceae	Shrub	02
56.	Lemon bottlebrush	bottlebrushes	<i>Callistemon citrinus</i> L.	Myrtaceae	Tree	02
57.	Atlas cedar	Cedar	<i>Cedrus atlantica</i> (Endl.) Manettiex Carrière	Pinaceae	Tree	01
58.	Sugarcane	Kunhiar	<i>Saccharum officinarum</i> L.	Poaceae	Grass	01
59.	Papaya	Amita	<i>Carica papaya</i> L.	Caricaceae	Herb	05
60.	Indian coffee plum	Paniyol	<i>Flacourtia jangomas</i> (Lour.) Raeusch.	Salicaceae	Tree	02
61.	Paperflower	Kagaj-phul	<i>Bougainvillea glabra</i> Choisy	Nyctaginaceae	Climber	01
62.	Bengal pogostemon	Sukloti	<i>Pogostemon plectranthoides</i> Desf.	Lamiaceae	Climber	01
63.	American mahogany	Mahagoni	<i>Swietenia mahagoni</i> (L.) Jacq.	Meliaceae	Tree	02
64.	Bedaa nut tree	Bhomora	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Combretaceae	Tree	01
65.	Fish mint	Masandari	<i>Houttynia cordata</i> Thunb.	Saururaceae	Herb	In group
66.	Bacopa	Brahmi	<i>Bacopa monnieri</i> (L.) Pennell	Plantaginaceae	Herb	In group
67.	Garden mint	Pudina	<i>Mentha spicata</i> L.	Lamiaceae	Herb	In group
68.	Creeping smartweed	Madhu-soleng	<i>Polygonum chinensis</i> L. H. Gross	Polygonaceae	Herb	In group
69.	Indian chestnut vine	Nol-tenga	<i>Tetrastigma leucostaphylum</i> (Dennst.) Alston ex Mabb.	Vitaceae	Creeper	01
70.	The Flame tree	Krishnachura	<i>Delonix regia</i>	Caesalpinioideae	Tree	10
71.	The bael treee	Belgos	<i>Aegle marmelos</i>	Rutaceae	Tree	02
72.	The wild mango	Bhomora	<i>Spondias pinnata</i>	Anacardiaceae	Tree	01

73.	The pomegranate	Dalim	<i>Punica granatum</i>	Lythraceae	Tree	02
74.	The rambai	Lateku fruit	<i>Baccaurea motleyana</i>	Phyllanthaceae	Tree	01
75.	Indian coffee plum	Poniol fruit	<i>Flacourtia jangomas</i>	Salicaceae	Shrub	01
76.	Star fruit	Kordoi	<i>Averrhoa carambola</i>	Oxalidaceae	Tree	02
77.	Star fruit	Rohdoi fruit	<i>Averrhoa</i> sp.	Oxalidaceae	Tree	01
78.	Rasiflora edulis bor thekera	Mirika tenga	<i>Parameria polyneura</i>	Apocynaceae	Tree	01
79.	Traditional Assamese sweet	Bon pitha	<i>Chrysophyllum roxburghii</i>	Sapotaceae	Tree	01
80.	Wild mango	Mitha amora	<i>Spondias pinnata</i>	Anacardiaceae	Tree	01


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