

3.6.3 / 15 / NSS / 2019-20

Bagdane

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Extention

Plant Diversity (Tree Walk) Report:

2019-20



H.V. DESAI COLLEGE, PUNE

(ARTS, COMMERCE and SCIENCE)

596, BudhwarPeth,

Pune 411002 Phone 020 24450373

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Plant Diversity Assessment Carried out at

Rule Tal. Vellhe, Pune

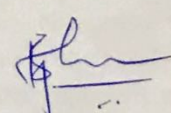
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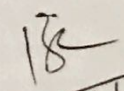
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28/04/20


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Introduction:

The Poona Gujrati Kelvani Mandal's Haribhai V. Desai College of Arts, Commerce and Science is located in the heart of Pune City. It is one of the reputed college present in the Pune Municipal Corporation area. It caters the students of arts, commerce and Science streams. The most important feature of the college is accessibility. The students come to the college from every corner of the Pune city by bus, train etc. The required facilities are available to the students. Shantaben hall, Terrace botanical garden, Competitive examination centre etc are some of the unique facilities. The college campus is in less than one acres of land. The college building is multi-storeyed. One of the lacuna is absence of vegetation in the campus due to space constraints.

NSS (National Service Scheme) unit of the college is vibrant from the very beginning (1985). Now it is organised for 07 days (06 night halts). The no. of students in our NSS unit are 100. Among 100, SPPU allows 50% students to take part in the said special winter camp. Mr.PramodShelar is a NSS Program Officer. He also belongs to Botany Department. First and Second year Botany students also take part in the NSS Camp. The distance between village Rule and our College is 40 kms.

Objectives:

The purpose of the visit to NSS Camp was to make the students aware regarding Biodiversity. It is a kind of green audit. It includes identification, description of the plants, medicinal use etc. The main objectives is to document the plant diversity of the adopted village Rule Tal. Vellhe Dist. Pune.

Methodology:

Survey: Mr. K.K. Bagdane Ex. Prog Office, NSS, the present NSS Prog. Office NSS, Mr. P.V. Shelar The sampling was done in the half km area, around the halting place of the students. (VinayakSmruti). It is done by random walk method. (No quadrats were laid down). The plants shows diversified habit. The majority of the plants are trees and shrubs. Few climbers are also present. Among 57 plants, majority of the plants are indigenous. They are eco-friendly. The exotic plants are few in number. The present plants are flowering, botanically called angiosperms. Especially palms in the campus add beauty to the surrounding. Palms reflect the sunlight and keep the climate cool.

These plants are ecologically important. Birds, butterflies are also found in the campus. They are also economically important. They are used as food, fodder, fiber etc. Some trees are shade giving. Majority of the plants are ornamental. Shankeshwar/peacock flower plant, sonsavaretc are ornamental plants. The medicinally important plants like Asparagus, Bhokar etc. The fruits of jamun are useful for diabetic persons. There are many custard apple trees. Some plants are very common

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for e.g. Ficus sp. Nandvriksh/Nandruk, Bitterneem, Ashoka etc. Some plants are of rare category e.g. *Terminaliabellarica*, *Casurinaequisetifolia* etc.

Conclusion: / Report

The environmental audit indicate that heterogenous plants are present in the region. The climatic conditions are very much suitable for the growth of the plants. The herbs are dominant during rainy season and winter season. Trees start blooming in late winter. These plants are have diverse utility value. The wood is mainly used in agriculture for various purposes. The students understood the importance of plants. The students like outdoor activities to a great extent. The students belonging to rural area share their knowledge regarding the plants during such a group activity in the form of tree walk. The collected information will be provided to the local villagers in the coming days.

A documentation/ list of 57 plants along with their Botanical name (with authority), Common name, Habit and family is attached here with.

Thanking you,

K. K. Bagdane (18th Dec. 2018)



Plant Diversity Assessment Carried out at

Rule Tal. Vellhe, Pune

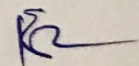

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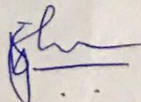
H. V. DESAI COLLEGE NSS Camp at Rule Tal. Velhe: Plant Survey on 18th Dec. 2019

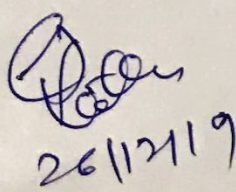
Sr. No	Botanical Name	Common name	Habit	Family
1	<i>Abelmoschus ficulneus</i> (L.) Wight and Arn. Ex. Wight	Jungli-bhendi/Ran-bhendi	Herb	Malvaceae
2	<i>Acacia nilotica</i> (L.) Willd.	Babul	Tree	Mimosaceae
3	<i>Acalypha wilkesiana</i> Mull. Arg.	Copper leaf	Herb	Euphorbiaceae
4	<i>Achyranthes aspera</i> L.	Aghara/ Aghada	Herb	Amaranthaceae
5	<i>Alstonia scholaris</i> (L.) Br.	Satvin	Tree	Apocynaceae
6	<i>Alternanthera triandra</i> L.	Chibukata	Herb	Amaranthaceae
7	<i>Asparagus racemosus</i> L.	Shatavari/Satavar/Sasach i-gongdi	Shrub	Liliaceae
8	<i>Bauhinia acuminata</i> Linn.	Kanchan	Tree	Caesalpinaceae
9	<i>Blumea eriantha</i> DC.	Buradi/Nimurdi	Herb	Asteraceae
10	<i>Bombax malbaricum</i> DC.	Kate saveri	Tree	Bombacaceae
11	<i>Bougainvillea spectabilis</i> Willd.	Boganvel	Shrub	Nyctaginaceae
12	<i>Bridelia retusa</i> (L.) A. Juss.	Asana	Tree	Euphorbiaceae
13	<i>Calotropis procera</i> R.Br.	Rui/Akdo/Ak	Shrub	Asclepiadaceae
14	<i>Carica papaya</i> Linn.	Papai/Papaya	Herb	Caricaceae
15	<i>Casuarina equisetifolia</i> Linn.	Suru	Tree	Casuarinaceae
16	<i>Chamaedorea elegans</i> Willd.	Parlour palm	Herb	Araceae
17	<i>Chloris variegata</i> Swartz.	Gholshep	Herb	Poaceae
18	<i>Chromolaena odorata</i> (L.) King & H. Rob.	Vanmuli	Herb	Asteraceae
19	<i>Cipadessa baccifera</i> (Roth.) Miq.		Shrub	Meliaceae
20	<i>Cocculus hirsutus</i> (L.) Diels.	Vasanvel/Jaljamni	Climber	Menispermaceae
21	<i>Codiaeum variegatum</i> L.	Croton	Shrub	Euphorbiaceae
22	<i>Cordia dichotoma</i> Forst. F.	Bhokar	Tree	Ehretiaceae
23	<i>Delonix regia</i> (Boj.) Raf.	Gul mohor	Tree	Caesalpinaceae
24	<i>Dendrocalamus giganteus</i> Munro.	Giant bamboo	Herb	Poaceae
25	<i>Dioscorea bulbifera</i> Linn.	Karanda godri/ Gorkan	Climber	Discoreaceae
26	<i>Erythrina suberosa</i> Roxb.	Panghari	Tree	Fabaceae
27	<i>Eucalyptus globosus</i> Labill.	Neelgiri	Tree	Myrtaceae
28	<i>Ficus benghalensis</i> Linn.	Wad/Banyan	Tree	Moraceae
29	<i>Flacourtia indica</i> (Burm. fil.) Merr.	Bhenkal / Tambat	Shrub	Flacourtiaceae

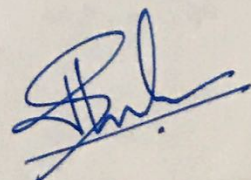


30	<i>Gliricidia sepium</i> (Jacq.) Kunth.	Giripushp/Undirmari	Tree	Fabaceae
31	<i>Gmelina arborea</i> Roxb. <i>Heterophragma</i> <i>quadriloculare</i> (Roxb.) Schum.	Shivan	Tree	Verbenaceae
32		Varas	Tree	Bignoniaceae
33	<i>Hibiscus rosa sinensis</i> Linn. <i>Lantana camara</i> Linn. var. <i>aculeata</i> Linn. Mold.	Jaswand/Jasud	Shrub	Malvaceae
34		Ghaneri	Shrub	Verbenaceae
35	<i>Leucaena leucocephala</i> (Lam.) de wit.	Subabul	Tree	Mimosaceae
36	<i>Luffa aegyptiaca</i> Mill.	Ghosale/Ran-dodka/Ran- turai	Climber	Cucurbitaceae
37	<i>Melia azedarach</i> L.	Bakan nimb	Tree	Meliaceae
38	<i>Moringa oleifera</i> Lam.	Shengul/Musik	Tree	Moringaceae
39	<i>Mucuna pruriens</i> (L.) Dc.	Khaj-kuyari/Kavach	Climber	Fabaceae
40	<i>Muntingia calabura</i> L. <i>Pennisetum pedicellatum</i> Trin.	Singapore cherry	Tree	Muntingiaceae
41		Barmuda grass	Herb	Poaceae
42	<i>Polyalthia longifolia</i> (Sonn.) Thw.	Ashoka	Tree	Annonaceae
43	<i>Pongamia pinnata</i> (Linn.) Pierre.	Karanj	Tree	Fabaceae
44	<i>Senna obustifolia</i> Linn. <i>Senna occidentalis</i> (L.) Link.	Tarvad/Takla	Herb	Caesalpiniaceae
45		Takla/Tarvad	Shrub	Caesalpiniaceae
46	<i>Sorghum glabrescens</i> (Steud.) Schwienf.	Jawar	Herb	Poaceae
47	<i>Syzygium cumini</i> (Linn.) Skeels.	Jambul/Jambhal	Tree	Myrtaceae
48	<i>Tagetes erecta</i> L.	Marigold/Zendu	Herb	Asteraceae
49	<i>Tamarindus indica</i> Linn.	Chinch/ Amlī	Tree	Caesalpiniaceae
50	<i>Tectona grandis</i> Linn. f. <i>Terminalia bellirica</i> (Gaertn.) Roxb.	Sag/Sagvan	Tree	Verbenaceae
51		Behada/ Hela	Tree	Combretaceae
52	<i>Terminalia catappa</i> L.	Hirani/Desi badam	Tree	Combretaceae
53	<i>Themeda triandra</i> Forssk.	Bunden/Batani	Herb	Poaceae
54	<i>Triumfetta rhomboidea</i> Jacq. <i>Woodfordia fruticosa</i> (Linn.) Kurz.	Chikti	Shrub	Tiliaceae
55		Dhayti/Dhauri	Shrub	Lythraceae
56	<i>Wrightia laevis</i> L.	Kala kuda	Tree	Apocynaceae
57	<i>Zizyphus rugosa</i> Lamk.	Toran/ Churan	Climber	Rhamnaceae

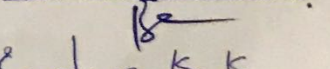
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