GREEN CAMPUS INITIATIVES

Criteria 7 - 7.1.5

1. PEDESTRIAN FRIENDLY PATHWAY – BUILDING 1

2.PEDESTRIAN FRIENDLY PATHWAY – BUILDING 2

3. PEDESTRIAN FRIENDLY PATHWAY - ENTRANCE

4. PEDESTRIAN FRIENDLY PATHWAY –PLAY GROUND

5. LANDSCAPING

6. LANDSCAPING

7.LANDSCAPING

8. LANDSCAPING

FLORA AND FAUNA IN THE CAMPUS

ST. GONSALO GARCIA COLLEGE OF ARTS AND COMMERCE, VASAI

FLOWERS AT G G COLLEGE CAMPUS

Flowers at G G Campus

2021-22

BOTANICAL NAME:

Species: Phanera purpurea, (Linn) Benth

FAMILY: LEGUMINOSAE

COMMON NAMES

देवकांचन

कननयार

PURPLE BAHUNIA

Phanera purpurea

(Linn) Benth

LEGUMINOSAE

Interesting Facts:

Flowering plant native to South China. It is a species of legumes and used in traditional medicine in India. It is also known as orchid tree.

Flowers at G G Campus

2021-22

BOTANICAL NAME:

Hibiscus rosa-sinensis Linn.

COMMON NAMES

जास्वंद

गु डहल

CHINA ROSE

MALVACEAE

Interesting Facts: Common flowering plant native to East Asia whose tea reduce high BP, cholesterol, digestive & inflammatory problems. It helps to cure liver disease and reduces the risk of cancer & speed up the metabolism. Leaves are used for healthy hair .

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Flowers at G G Campus

2021-22

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Source : wikipedia.org; flowers of India.net

Flowers at G G Campus

2021-22

BOTANICAL NAME

Epiphyllum oxypetalum (DC.) Haworth

Family: CACTACEAE

COMMON NAMES

ब्रह्मकमळ

ननशागन्धी

ORCHID CACTUS

Interesting Facts: Flowers are nocturnal emitting beautiful smell. Often called Queen of night. Pure white flowers with good fragrance stay open all night and closed in morning.

Flowers at G G Campus

2021-22

BOTANICAL NAME

Euphorbia pulcherrima willd. Ex Klotzch

Family: EUPHORBIACEAE

COMMON NAMES

पाइन सेटटया

POINSETTIA (RED)

Interesting Facts: Native to center America. Has special kind of inflorescence called cyathia. Commercially important plant used during Christmas floral decorations. Colored bracts comes in red, orange, pale green, cream, pink & white.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Flowers at G G Campus

2021-22

BOTANICAL NAME

Rosa x damascena Mill.

Family: ROSACEAE

COMMON NAMES

गुलाब

ROSE

Interesting Facts: Native to Asia and extremely popular species in India. Cultivated hybrid comes in many color & combinations. Known for its beauty and fragrance, used as commercial crop. Flowers used in garlands, floral decorations, herbal tea, flavoring food, rose-water & gulkand.

Flowers at G G Campus

2021-22

BOTANICAL NAME

Ixora coccinea Linn.

Family: RUBIACEAE

COMMON NAMES

पेंडगूळ

रुक्मनी

Interesting Facts: Native to Southern India and Sri Lanka. The roots are analgesic, diuretic and antiseptic. The flowers, leaves, and stem are used in Ayurveda medicine. Flowers are ornamental and used in Hindu worship.

Flowers at G G Campus

2021-22

BOTANICAL NAME

Heliconia rostrata Ruiz & Pavon

Family: HELICONIACEAE

COMMON NAMES

हेलिकोनिया

लॉबस्टर क्लॉ

FALSE BIRD OF PARADISE

Interesting Facts:

Native of Peru, Bolivia and Columbia. Sepals and bracts Flowers face downwards and hence store water for birds and insects. National flower of Bolivia. It attracts more humming birds.

Flowers at G G Campus

2021-22

BOTANICAL NAME

Bougainvillea glabra Choisy

Family: NYCTAGINACEAE

COMMON NAMES

कागदी फुल

बूगनबेल

PAPER FLOWER

Interesting Facts: Native of South America. The bracts can vary in color ranging from white, red, mauve, purple red and orange.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Flowers at G G Campus

2021-22

BOTANICAL NAME

Nerium indicum

Family: APOCYNACEAE

COMMON NAMES

Red Oleander

कनेर

कण्हेर

Interesting Facts: This plant is a poisonous plant native throughout Mexico and in Central America, and cultivated widely as an ornamental purpose.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Flowers at G G Campus

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Source : wikipedia.org; flowers of India.net

Flowers at G G Campus

2021-22

BOTANICAL NAME

Tecoma stans

Family: BIGNONIACEAE

COMMON NAMES

Trumpet Flower.

पीलिया

तुतारी

Interesting Facts: This plant cultivated widely as an ornamental purpose. Flowers looks like Yellow Bells at Hougang Mall.

Flowers at G G Campus

2021-22

BOTANICAL NAME

Cathranthus roseus (Linn.) G. Don

Family: APOCYNACEAE

COMMON NAMES

PERIWINKLE

सदाबहार

सदाफूली

Interesting Facts:

Native to Madagascar. Plant can grow in adverse conditions like rain, dust and heat. Roots are used in Ayurvedic medicines for lowering bad cholesterol, asthma, blood sugar, cancer, BP. Lever cleanser diseases.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Herbs at G G Campus

2021-22

BOTANICAL NAME

Moringa olieifera Lam.

Family:MORIANGACEAE

COMMON NAMES

DRUMSTICK TREE

सेंजन

शेवगा

Interesting Facts: Fast growing, drought resistant tree native to India. Leaves, Flowers and seed pods are used as vegetable. Also used as hand wash and as water cleaner .

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Herbs at G G Campus

2021-22

BOTANICAL NAME

Aloe vera (L.) Burm. F

Family: ASPHODELACEAE

COMMON NAMES

ALOE VERA

घृत कुमारी

कोरफड

Interesting Facts: Oldest global medicinal plant used to cure skin problems, cuts, injuries, itching, swelling, dieting, cough, ulcers, gastric, diabetes, headache, arthritis, digestive disorders and many more. Also used for making shampoo & soaps.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Herbs at G G Campus

2021-22

BOTANICAL NAME

Ocimum tenuiflorum

Family: LAMIACEAE

COMMON NAMES

HOLI BASIL

तुलसी

तुळशी

Interesting Facts: It is native to the Indian subcontinent and widespread as a cultivated plant throughout the Southeast Asian tropics. Tulsi is rich in Vitamin C and zinc. It thus acts as a natural immunity booster and keeps infections at bay. It has immense anti-bacterial, anti-viral and anti-fungal properties which protect us from a variety of infections.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Herbs at G G Campus

2021-22

BOTANICAL NAME

Codiaeum variegatum

Family: EUPHORBIAEAE

COMMON NAMES

CROTON PLANT

तिलचटा

क्रोटन

Interesting Facts: Croton is a plant. The oil from the seeds is used to make medicine. Despite serious safety concerns, people take croton seeds for emptying and cleansing the stomach and intestines. They also take croton seeds to treat gallbladder problems, colic, blocked intestines, and malaria.

Herbs at G G Campus

2021-22

BOTANICAL NAME

platycladus orientalis

FAMILY: CUPRESSACEAE

COMMON NAMES

AMERICAN ARBOR-VITAE

मयूरपंखी

मोरपंखी

Interesting Facts: It is evergreen tree that is native **to** eastern and central Canada. The leaves and leaf oil are used as a medicine. It is used for respiratory tract infections such as bronchitis, bacterial skin infections, and cold sores. It is also used for painful conditions including osteoarthritis and a nerve disorder that affects the face called trigeminal neuralgia.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Syzygium cumini (Linn.) Skeels.

Family: MYRTACEAE

COMMON NAMES

JAMUN

जामुन

जांभूळ

Interesting Facts: An evergreen tree native to Indian sub continent. Slow growing tree which can reach up to 30 mtrs. Fruits are edible and good for diabetes. It has high source of Vitamin A and C. The seeds are used in Ayurveda, UNANI and Chinese medicines.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Phyllanthus aciduus

(Linn.) Skeels

Family: PHYLLANTHACEAE

COMMON NAMES

STAR GOOSEBERRY

अम्ल

आवळा

Interesting Facts: Native to Caribbean region and South America. Cultivated as ornamental, food and medicinal. Used to prepare chutney & pickle. It is used as blood enhancer for lever .

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Musa paradisiaca – cavindish Linn.

Family: MUSACEAE

COMMON NAMES

BANANA

केला

केळी

Interesting Facts: Native to Tropical Indomalaya and Australia. Lot of hybrid varieties are available in musa. Fruits are rich in iron & starch. Birds, animals and monkeys love bananas. All the parts of the banana tree are useful.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Carica papaya Linn

Familly: CARICACEAE

COMMON NAMES

PAPAYA

पपीता

पपई

Interesting Facts: Native to the tropics of America. Papaya is having rich sources of antioxidant nutrients and fiber. Leaves used as traditional medicine to cure malaria and dengue fever.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Mangifera indica Linn.

Family: ANACARDIACEAE

COMMON NAMES

MANGO TREE

आम

आंबा

Interesting Facts: National Fruit of India, Pakistan and Philippines and National tree of Bangladesh. Fruit is used both as food and medicine in Ayurveda. The bark, leaves, stems & unripe fruits are used as a traditional medicine.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Ficus benghalensis

Family: MORACEAE

COMMON NAMES

BANYAN TREE

बरगद

वटवृक्ष

Interesting Facts: National Fruit of India, Pakistan and Philippines and National tree of Bangladesh. Fruit is used both as food and medicine in Ayurveda. The bark, leaves, stems & unripe fruits are used as a traditional medicine.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Artocarpus heterophyllus Lam.

Family: MORACEAE

COMMON NAMES

JACK FRUIT

कटहल

फणस

Interesting Facts: National Fruit of Bangladesh and native to Southeast Asia. The sweet and delicious fruit contains rich source of vitamins, minerals, fat, electrolytes, fiber and proteins. The wood is used in construction of Indian musical instruments like veena, mrudanga, khanjara etc.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Azadirachta indica A. Juss

Family: MELIACEAE

COMMON NAMES

NIM TREE

नीम

कडुनिंब

Interesting Facts: Native to India. A sacred tree having abundant medicinal values to cure many diseases. Seed oil & its extract are used as natural pesticide. The leaves & flowers also used in preparation of toothpaste. Highly useful for diabetes patients.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Cymbopogan schoenanthus

(Linn.) Spreng.

Family: POACEAE

COMMON NAMES

LEMON GRASS

गिंधत्रिर्ण

गवती चहा

Interesting Facts: An evergreen plant native to South Asia. The dried leaves are used in making tea. It is also a traditional medicinal plant used as stimulant, antipyretic, antibacterial, sudorefic and antiperiodic. It has powerful pain relief properties. Natural Mosquito repellent.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Fruits at G G Campus

2021-22

BOTANICAL NAME

Alternanthera sessilis

(L.) R.Br. Ex DC.

Family: AMARANTHACEAE

COMMON NAMES

JOYWEED

गरून्दी

बेचकुसळ

Interesting Facts: An excellent medicinal plant with anti-bacterial and antifungal qualities used to cure various diseases in Ayurveda. It has immense health benefits for eyes, hair skin and piles as home remedy.

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Kalanchoe pinnata

(Lam.) Pers.

Family: CRASSULACEAE

COMMON NAMES

AIR PLANT

ऐरावती

पानफुटी

Interesting Facts: This plant is native to Madagascar, which is a popular houseplant. It uses for healing, reduces the pain, swelling and wound healing. They are eaten for diabetes, diuresis, dissolving kidney stones, respiratory tract infections, as well as applied to wounds, boils, and insect bites. It is useful for preventing alcoholic, viral and toxic liver damages.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Sansevieria roxburghiana Thunb.

Family: ASPARAGACEAE

COMMON NAMES

SNAKE PLANT

नाग पौधा

साप वनस्पती

Interesting Facts: Native to Africa & Madagascar. Also called Mother-in-law'sTongue. Plant can be easily propagated by cuttings. The leaves are used in traditional medicines for first aid for wounds. One of the NASA identified top 10 plants for detoxification of air.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

***Mimusops elengi* (Linn)**

Family: SAPOTACEAE

COMMON NAMES

SPANISH CHERRY

मौलसरी

बकुळ

Interesting Facts: It is an Ayurvdic plant useful in the treatment of headache, toothache, diseases of the oral cavity, poisonous cases and diarrhea. The flowers are sun dried and used to make floral infusions and as an addition to green tea in Thailand.

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Adenium obesum

Family: APOCYNACEAE

COMMON NAMES

DESERT ROSE

एडेनिम

वाळवंटी गुलाब

Interesting Facts: South African shrub having a swollen succulent stem and bearing showy pink and white flowers. Used for ornamental purpose. The medicinal **benefits** are, as a bonsai plant, treating wounds, treating the soles of the feet, taking care of skin beauty, relieving pain, treating toothache, treating ulcers.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Bombax ceiba L.

Family: MALVACEAE

COMMON NAMES

SILK-COTTON TREE

सेमल

काटेसावर

Interesting Facts: Every part of this **tree** is used to treat various ailments. In Ayurveda it is referred as aphrodisiac, astringent, antidiarrheal, antidysenteric, antimicrobial diuretic, alterative, antipyretic and tonic. It is used in the treatment of asthma, diarrhea, wound, leucorrhoea, anemia, seminal disorders and skin problems.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Saccharum officinarum

Linn.

Family: POACEAE

COMMON NAMES

SUGAR CANE

गन्ना

ऊस

Interesting Facts: Member of grass family originated in South Asia and now cultivated all around the world for the production of sugar, jaggery, ethanol, cane syrup, wax rum, paper, cardboard, fuel. It has medicinal value to cure Diabetes, Jaundice, Leucorrhoea, Hiccups, weak eye sight, cancer & flu.

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Murraya koenigii (Linn.) Spreng.

Family: *RUTACEAE*

COMMON NAMES

CURRY TREE

करीपत्ता

कडीपत्ता

Interesting Facts: Native to India & Sri Lanka used for cooking purpose. It is said that without curry leaves no Indian food is complete. It is because of its wonderful aroma. The leaves are also used in Ayurvedic medicine.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Cocos nucifera(Linn.)

Family: *ARECACEAE*

COMMON NAMES

COCONUT TREE

नारियल

नारळ

Interesting Facts: coconut tree provides food, fuel, cosmetics, folk medicine and building materials, among many other uses. The inner flesh of the mature seed, as well as the coconut milk ,coconut oil extracted from it.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Terminalia catappa*(Linn.)*

Family: *COMBRETACEAE*

COMMON NAMES

ALMOND TREE

जंगली बादाम

जंगली बदाम

Interesting Facts: Almond is a large tropical tree native to Asia, Australia, the Pacific and Madagascar. The leaves and bark are used in different herbal medicines for various purposes.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Persea americana (Linn.)

Family: *LAURACEAE*

COMMON NAMES

AVOCADO TREE

मक्खनफल

एवोकॅडो

Interesting Facts:

The **avocado** is a tree originating in the Americas. The high nutritional value and concentration of fat, make avocados a commonly used food in vegetarian foods and generally is thought nutritious and healthy.

Ornamental plant at G G Campus

2021-22

BOTANICAL NAME

Psidium guajava (Linn.)

Family: *MYRTACEAE*

COMMON NAMES

GUAVA TREE

अमरूद

पेरू

Interesting Facts: Widely cultivated in tropical and subtropical regions around the world The plant is used in many different shampoo products for its scent. It is also becoming a popular bonsai species and is currently quite popular in India and Eastern Asia.

Photography: Prin. Dr. Somnath Vibhute

Data Collection: Dr. Nandkumar Zambare

Source : wikipedia.org; flowers of India.net