

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Affiliated to Visvesvaraya Technological University, Belagavi Approved by AICTE, New Delhi &
Recognised by Government of Karnataka)
Shobhavana Campus, Mijar – 574225, Moodbidri.
Dakshina Kannada Karnataka, India.



A Report on
SHOBHAVANA HERBAL GARDEN
ACADEMIC YEAR 2022-2023



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Accredited by NAAC with A+ & NBA (CSE & ECE

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Shobhavana Herbal Garden Details:

In AIET Shobhavana campus around 20 to 25 thousand trees are planted at the inception. The various herbal plants are planted which are useful for medicine area. The Butterfly and bird parks are also available in the campus. The details of plants their names are given below. All the group of plants are planted in the name of vanas. The few pictures of such vanas are shown below.



AIET Shobhavana Entrance

In every individual vana the few group of plants are planted with name plates so that every plant can be identified very easily. Currently around 1500 various plants are available in the AIET campus.



Shri. Satyanarayana Pooja Vana.



Nandana Vana.

Shobhavana Campus plant details:

Botanical Name	Sanskrit	Local	Family	No. of plants planted
Anfoora rohithuka	Rohithaka	ರೋಹಿತಕ		10
Cana Indica		ಕಾಬಾಳೆ	Canaceae	5
Musa paradisica	Kadali	ಬಾಳೆ	Musaceae	50
Callistemma indica			Myrtaceae	4
Becopa moneril	Jala bramhi	ಸೀಸೆ-ಬ್ರಾಮಿ	Scorpularaceae	---
Leucas nerifolia	Drona pusphi	ತುಂಬೆ	Laminaceae	---
Pithacalobium delisue		ಬಿಸುಬುಗು	Mimosaceae	5
Eclepta prostata	Bringaraja	ಗಿಣಿ	Asteraceae	---
Anacyclus pyrrithrum	Akarakarba	ಆಕರಕಂಬು	---	---
Aerva lanata	Pashanabedhi	ಪಾಶನಾಬೆಡಿ	Amaranthaceae	50
Dolicandron atroverensis				Nil
Macaranga speciosa		ಮರಗಿ	Euphorbiaceae	50
Gmelina asiatica	Biddari	ಬಿದರಿ	Verbinaceae	1200
Grewia asiatica	Dharmana	ಕಮಕ	Tiliaceae	50
Grewia tilifolia	---	ತದಕಲು	---	10
Guazuma tomentosa		ಭದ್ರಾಕ್ಷಿ	Sterculiaceae	50
Gymnema Silvestre	Meshasringi	ಮಧುಸಾಬಿ	Asclepiada	150
Gymnosporia montana	Vikankar	ತಂದರಕ	Celastraceae	1
Helianthus annuus	Arkakantha	ಸೂರ್ಯಕಾಂತಿ	Asteraceae	Nil
Helicteres isora	Mrigashringa	ಮಿಲಮಿರಿ	Sterculiaceae	4
Hemidesmus indicus	Sugandhi	ಸಾಮದ ಬೇರು	Asclepiadaceae	Mass
Holarrhena pentidysentrica	Kutaja	ಕೋಡುಗಿ	Apocyanaceae	40
Holoptelea integrifolia	Chirabilwa	ತಳ್ಳಿ	Urticaceae	150
Holostemma ada-kodina	Jeevanthi	ಜೀವಂತಿ	Asclepiadaceae	10
Hydrocotyle asiatica	Brahmi	ಬ್ರಾಮಿ	Apiaceae	Mass
Ichnocarpus frutescens	Sariva	ಸರಿಸುಬು	Apocyanaceae	Mass
Indigofera tinctora	Nilika	ನೀಲಿಕ	Papilionaceae	Mass
Ixora Coccinea	Binduka	ಕೇಪಳ	Rubiaceae	Mass
Ixora perviflora	Iswara	ಗೋರವಿ	---	4
Jasmenum angustifolia	Supooja	ಕಾಡುಮಲ್ಲಿಗೆ	Oelaceae	10
Jasmenum arborescens	Madhu madavi	ಅರವಿಮಲ್ಲಿಗೆ	---	10
Jasmenum grandiflorum	Jati	ಜಾತಿಮಲ್ಲಿಗೆ	---	20
Jasmenum pubescens	Kunda	ಕಸ್ತೂರಿಮಲ್ಲಿಗೆ	---	10
Jasmenum Sambac	Vaara shiki	ಮಲ್ಲಿಗೆ	---	10
Jasmenum officinale	Mallika	---	---	20
Jatropha curcas	Parvatha Erenda	ಕಾಡುಮರಳು	Euphorbiaceae	5
Kaempferia galanga	Sugandha vaccha	ಸುಗಂಧ	Scitamnaceae	10
Lawsonia inermis	Mendhi	ಮುದುರಂಗಿ	Lythraceae	500
Leucas cephalotes (uspna)				
(linifolia)	Drona pushpi	ತುಂಬೆ	Labiatae	Mass

Botanical Name	Sanskrit	Local	Family	No. of plants planted
Barringtonia acutangula Gaertn.	Dhatrithal	ಸಮುದ್ರ ಫಲ	Barlintoniaceae	50
Basella alba L.	Apoedika	ಬಸಲೆ	Chenopodiaceae	Mass
Bassia longifolia L.	Maduca	ಒಪ್ಪೆ	Sapotaceae	100
Bauhenia variegata L.	Kanchanara	ಮಂಜಾರ (ಕೆ)	Caesalpinaceae	600
Bauhenia purpurea L.	Kanchan	ಮಂಜಾರ (ಬಿ)	Caesalpinaceae	500
Bixa orellana L.	Annatta	ಕಪ್ಪು ಮಂಜರಿ	Bixaceae	700
Boerhaavia diffusa L.	Punarnava	ಸಗ್ಗುಡಿ	Nyctaginaceae	Mass
Bombax malabaricum De	Shalmali	ಬೂರಗ	Bombacaceae	4
Buchananla lanzan Sprong Plyala	Piyala		Anacardiaceae	Nil
Butea frondosa Roxb & Koen	Palasa	ಮುತ್ತುಗ	Papilionaceae	600
Caesalpinia bonduc Roxb.	Latakaranja	ಗಮ್ಮಗ	Caesalpinaceae	5
Calotropis gigantea R.Br	Arka	ಅಕ್ಕಿ	Asclepiadaceae	-
Camellia thelfera Griff	Tea	ಬೀ	Ternstroemiaceae	2
Cinnamomum camphora Nees	Karpoor	ಕರ್ಪೂರ	Lauraceae	Nil
Canna indica L.	Kamakshie	ಕಾಡಲೆ	Saturnaceae	5
Cannabis Sativa L.	Siddapathri	ಬಾಂಗ	Solanaceae	Nil
Capsicum annum L.	Katuvira	ಮೆಣಸಿನಕಾಯಿ	Solanaceae	10
Cardiospermum helicacabum L.	Jyothishmati	ಕಜ್ಜಿಕಾಯಿ	Sapindaceae	150
Careya arborea Roxb.	Kumbi	ಕದಲ	Lycalthidaceae	10
Caryota urens L.	Tala	ಕಾಡುಕದಿ	Palmaceae	50
Cassia alata L.	Dadrughna	ಅಗರೆ	Caesalpinaceae	Mass
Cassia auriculata L.	Avarthiane	ಅವರಿ	-	-
Fistula L.	Suvarnaka	ಕಕ್ಕಿ	-	600
Cassia Saphera L.	Kasamarad	ಕಸಮರ	-	Mass
Cassia tora L.	Chakramarda	ಚಗುಡಿ	-	Mass
Celastrus paniculata Willd	Jyothishmathi	ಜ್ಯೋತಿಷ್ಠಿ		
	Katumbhi	ಕರಿಗುಣ್ಣಿ	Celastraceae	5
Chenopodium album	Vastuk	ಪ್ರಾಂಜಿಕ	Chenopodiaceae	-
Chenome vericosa	Karnaspota	ಕಾಯಿಗಾಳಿ	Capparidaceae	Mass
Clerodendron Inerme	Kundali	ವಿಷಮಂಜಾರ	Verbinaceae	Mass
Clerodendron phlomoides	Agni-mantha	ವಿರಾಣಿ	-	2
Clerodendron serratum	Bhargi	ಬಾರಗಿ	-	25
Clitoria ternatea	Aparagita	ಶಂಕಪುಷ್ಪ	Papilionaceae	150
Moringa sleifera	Sobanjana	ಸುಗ್ಗಿ	Moringaceae	150
Morus alioa	Toola	ಒಪ್ಪು ಬೀರಲಿ	Urticaceae	5
Mucuna pruriens	Kapi kacheliu	ಕಪಿಗುಣ್ಣಿ	Papilionaceae	50
Mussandra frondosa	Shrivatte	ಬೆಳ್ಳುಳ್ಳಿ	Rubiaceae	20
Myristica fragrans	Jati phalam	ಜಾಯಿಪತ್ರಿ	Myristicaceae	150
Nerium odorum	Karavira	ಕರಗಿಬು	Apocynaceae	120
Nicotiana tobacum	Tamrakuta	ತಂಬಾಕು	Solanaceae	Nil

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Ochrocarpos longifolia	Punnaga	ಗದ್ದುಂಡಿ	Guttiferaceae	Nil
Ocimum album	Shukla Tulasi	ಸಾಮುತುಳಸಿ	Lamiaceae	Mass
Ocimum basilicum	Bisva tulasi	ಕಾಮಕಸ್ತೂರಿ	—	Mass
Ocimum langifolium	Bisva tulasi	ತುಳಸಿ	Lamiaceae	Mass
Ocimum sanctum	Vishnu priya	ವಿಷ್ಣು ತುಳಸಿ	—	Mass
Odina wodier	Neethra shuddi	ಪೊನ್ನ	Anacardaceae	10
Oroxylum indicum	Sukanasa	ಅನೇ	Bignoniaceae	700
Oxalis corniculata	Amlalonika	ಮಜ್ಜಿಗೆ ಗಿಡ	Geraneaceae	Mass
Pandanus odoratissimus	Ketaki	ಕೇದಗೆ	Pandunaceae	10
Passiflora foetida	Mukkopeera	ಪೂಂಪಸ್ ಹಣ್ಣು	Passifloraceae	3
Phoenix Silvestris	Kharjura	ಈಚಲು	Palmaceae	2
Phyllanthus niruri (urineria)	Bhumyamalaki	ನಿಲನಲ್ಲಿ	Euphorbiaceae	Mass
Physalis minima	Tankari	ಬಂಡುಲ	Solanaceae	Mass
Pinus longifolia	Sarala	ಸರಳ	Coniferaceae	20
Piper betle	Tambula	ವೀಳ್ಯ	Piperaceae	10
Piper longum	Hippali	ಬಾಲಮೆಣಸು	—	Mass
Piper nigrum	Maricha	ಕಾಳುಮೆಣಸು	—	Mass 1500
Plumbago zeylanica	Chitraka	ಚಿತ್ರಮೂಲ	plumbaginaea	150
Plumeria rubra alba	Khsira champa	ಬಿಟ್ಟಕಾಣಿಲು	Apocyanaceae	10
Psidium guyava	Amrutha phala	ಸೀಬೆ	Myrtaceae	150
Pterocarpus marsupium	Pitasala	ಹೊನ್ನೆ ಮರ	Papilionaceae	350
Pterocarpus santalinus	Rakta chandan	ರಕ್ತಚಂದನ	—	250
Punica granatum	Dadima	ದಾಳಿಂಬೆ	Punicaceae	20
Putranjiva roxberghii	Putranjiva	ಪ್ರಾತ್ರಂಜೀವ	Euphorbiaceae	300
Quisqualis indica			Combrataceae	4
Randia dumetorum	Madana	ಮಂಗಾರಿ	Rubiaceae	10
Rauwolfia Serpentina	Sarpa-gandha	ಸರ್ಪಗಂಧ	Apocyanaceae	150
Rauwolfia tetraphylla	Pathala garuda	ಪಾತಾಲಗರುಡ	—	200
Ricinus Communis	Eranda	ಹರಳು	Euphorbiaceae	Mass
Cocculus hirsutus	Somavalli		Mniispermaceae	Wild
Cochlospermum gossypium	Betla Shalmali	ಹಳದಿಬೂದಲೆ	Bixiaceae	100
Coffea arabica	Mlechea phala	ಕಾಫಿ	Rubiaceae	5
Costus speciosus	Pushkara	ಸರಿಕಬ್ಬು	Scitamineae	10
Crocus Sativus	Bhavarkta	ಕಂಕುಮಕೇಸರ	Iridaceae	Nil
Crotalaria Juncea	Jenapavera	ಸೆಣಬು	Papilionaceae	10
Curculigo orchiloides	Hemapuspi	ನಿಲದಾಳಿಗಿಡ್ಡೆ	Amaryllidaceae	wild
Curcuma longa	Haridra	ಹಳದಿ	Scitamineae	Mass
Cynodon dactylon	Doorva	ಗಡೆ	Graminaceae	Mass
Cyperus rotundus	Bhadramusta	ಮಂಗೆಗೆಡ್ಡೆ	—	Mass
Daemia extensa	Phala kantak	ತಳವಾರನ ಬಿಲ್ಲೆ	Asclepiadaceae	4
Dillenia Indica	Bhavya	ಬಿಟ್ಟಕಾಣಿಲು	Dilleniaceae	10

Botanical Name	Sanskrit	Local	Family	No. of plants planted
Dillenia pentagyna	—	ಕರಮಲ	—	Nil
Diospyros melanoxylon	Tumvuru	ಕುಮರ	Ebonaceae	4
Dodonaea viscosa	Aliar	ಬಂದರಿಕೆ	Sapindaceae	2
Echenops echinatus	Bramadhandi	ಬ್ರಹ್ಮದಂಡ	Compositae	1
Eclipta alba	Brungaraja	ಗರಗ	Asteraceae	Mass
Elaeocarpus tuberculatus	Rudraksha	ರುದ್ರಾಕ್ಷಿ	Tillaceae	1
Elettaria cardamomum	Eala	ಎಲಕ್ಕಿ	Selamniaceae	—
Embellia ribes	Vidanga	ವಾಯುವಿವಂಗ	Myrsinaceae	150
Emballia officinalis	Amlaki	ಅಮಲೆ	Euphorbiaceae	1200
Entada scandens	Gilla	ಗಿಲ್ಲೆ	Papilionaceae	2
Erythrina indica	Paribhadra	ಪಾರಿವಾಣ	—	250
Euphorbia antiquorum	Vajra Kantaka	ಕಾಟಕಲ್	Euphorbiaceae	10
Euphorbia thymifolia	Rakavindachanda	—	—	20
Euphorbia tirucalli	Trikantaka	ಕಡ್ಡೆಕಲ್	—	10
Evolvulus alsinoides	Vishnu kranta	ವಿಷ್ಣುಕ್ರಾಂತ	Convolvulaceae	Mass
Feronia elephantum	Kapitha	ಕಾಪಿಥೆ	Rutaceae	600
Ficus bengalensis	Vata	ಆಲ	Urticaceae	150
Ficus carica	Anjira	ಅಂಜಿರ	—	12
Ficus reemosa	Udumbara	ಆದ್ರಿ	—	200
Ficus religiosa	Aswatha	ಆಶ್ವತ್ಥ	—	300
Garcinia morella	Tamal	ತಮೂಲ	Guttiferaceae	4
Gardenia gummlifera	Gandharaj	ಗಾಂಧಾರಜ	Rubiaceae	4
Gloriosa Superba	Agni Sikha	ಅಗ್ನಿ ಸಿಖಾ	Liliaceae	25
Gmelina arborea	Sriparni	ಕಾಶ್ಮೀರಿಮರ	verbinaceae	1200
Thalictrum foliolosum	Trayamana	ಚನ್ನದವಾರ	Ranunculaceae	4
Tylophora asthmatica	Anthropachaka	ಅನುಮುಖಪುಷ್ಪ	Asclepiadaceae	50
Vateria indica	Ajakarna	ಧಾಪ	Diphrocarpene	290
Vetivera zizanoides	Usheera	ಅಶೋಕ	Gramineae	—
Vitex negundo	Nirgundi	ನಿಗುಂಡಿ	Verbinaceae	1000
Vitex rotundifolia	—	ನವಿಲಾಡಿ	—	25
Vitex trifoliata	Sinduka	ನಿಪಲಕ್ಕಿ	—	10
Vitex pendularis	—	ಅಕ್ಕಿ	—	4
Vitis quadrangularis	Vajravalli	ಮುಂಗರವಳ್ಳಿ	Vitaceae	50
Withania somnifera	Aswagandha	ಅಶ್ವಗಂಧ	Solanaceae	30
Woodfordia floribunda	Dhataki	ಕಂಪುಪುಷ್ಪ	Lythraeae	150
Wrightia tinctoria	Asita-kutanja	ಮರಬಾಲ	Apocynaceae	500
Zingiber officinale	Shrangavera	ಶಂಠಿ	Sutamineae	—
Zizyphus Jujuba	Badari	ಇಲಾಚಿ	Rhamnaceae	200
Zizyphus oenoplea	Srigalakoli	ಪರಗಿ	—	600
Eucalyptus lancolata	Nil	ನೀಲಗಿರಿ	Myrtaceae	10
Eucalyptus globulosa	Nilanlyyasa	—	—	10

Botanical Name	Sanskrit	Local	Family	no. of plants planted
Dalbergia paniculata	Shimshipa	ಕಾದುಬೀಟೆ	Papilionaceae	1250
Dalbergia ovulifolia	—	ಬೀಟೆ	—	200
Dalbergia sissoo	Simsapa	ಬೀಟೆ	—	1000
Soropus androgenensis	Chakramuni	ಚಕ್ರಮುನಿ	Euphorbiaceae	100
Argerea nervosa	Vrudadaru	ಉಗಡೆಬಳ್ಳಿ	Convolvulaceae	50
Polyalthea longifolia	Ashoka	ಅಶೋಕ	Anonaceae	10
Cinnamomum macrocarpum	—	ಕೇದಲಿಪಂಪಲ್ಲಿ	Lauraceae	600
Cinnamomum tamala	Tamalapatram	—	—	100
Garcinea indica	Punarpuli	ಪುನಾರಪುಲಿ	Guttiferaceae	1000
Ciba pentandra	Katasalmat	ಬಿಳಿಬೀಟೆ	Bombacaceae	150
Artocarpus hirsutus	Panasa	ಹೆಬ್ಬಲಸು	Moraceae	120
Artocarpus lacucha	Lacucha ವಾಚೆಲ್ಯ	ಮಂಗಳಲಸು	—	150
Calotropis procera	ಆರ್ಕೆ Arka	ಎಕ್ಕ	Asclepiadaceae	250
Alternanthera sisilies	—	ಪೂಸಗನೆ	Amaranthaceae	—
Psudarthria visida	Salaparni	ಮುರಲಿಪೂಸೆ	papilionaceae	—
Desmodium trifoliata	Tripade	ಮುಂತಮಂಡು	—	—
techytorpita indica	Apamarga	ಉತ್ತರಾಣಿ (ಕಾ)	Verbnaceae	—
Citrus lemon	Jambirah	ನಿಂಬೆ	Rutaceae	150
Hibiscus rosa-sienensis	Japa kusuma	ಜಾಪಕುಸುಮ	Malvaceae	—
Colious aromaticus	Pasanabedhi	ಪಾಸಾಬೆಡಿ	Laminaceae	600
Clitorea ternetca	Girikarnika	ಶಿರಕರ್ನಿಕಾ	Papilionaceae	150
Abrus precatorious (w)	Gunja	ಬಿಳಿಗುಲಿಗಂಜೆ	—	50
Legerstromea lanciolata	Nandi	ನಂದಿ	—	10
Cordia dichotoma	Slesma takah	ಚಲೆ	Boraginaceae	50
Catherentus rosea	Nitya kalyani	ನಿತ್ಯಾಕಲ್ಯಾಣಿ	Apocynaceae	50
Dattura metal	Dhatturah	ದತ್ತೂರ	Solanaceae	50
Broyophyllum plnnatum	Parnabeeja	ಪಾರ್ನಾಬೀಜ	crasulaceae	150
Cayratia carnososa	Gandish	ಹೆಗ್ಗೊಲ್ಲೆ	Vitaceae	2
Andrus deodara	Devadaru	ದೇವದಾರು	Pinaceae	NH
Cichorium lntybus	Kasani	ಕಸಿನಿ	Asteraceae	Mass
Cinchona officenalis	Sinkona	ಸಿಂಕೋನ	Rubiaceae	NH
Citrus reticulata	Narangals	ಪರಳೆ	Rutaceae	10
Clerodendrum viscosum	Bhandirah	ಬಿಬ್ಬಣ	Verbnaceae	10
Cuscuta reflexa	Akasavalli	ಆಕಾಶಬಲ್ಲೆ	Convululaceae	NH
Cyclea peltata	Patha ಪಾಡ	ವಿಪಪದ್ವಿ	Minispermaceae	50
Desmostachya biplnnata	Parhab	ಪರ್ಚ	Poaceae	Mass
Emillia sonchifolia	Sasasrutih	ಸಾಸಾರುತಿ	Asteraceae	Mass
Cojannanus indicus	Adhaki	ತೊಗರಿ	Papilionaceae	2
Couropita gynensis	Nagalingahm	ನಾಗಲಿಂಗಪುಷ್ಪ	Sapotaceae	10
Abelinoschus esculantus	Benda	ಬೆಂಡ	Malvaceae	150

Botanical Name	Sanskrit	Local	Family	No. of plants planted
<i>Poderea foetida</i>	Ghandaprasarni	ಗಂಧಪ್ರಸಾರಿ	Rubiaceae	100
<i>Anacycles pyritrum</i>	Akarakaraba	ಅಕಕರಬಾ	Asteraceae	—
<i>Hydnocarpus laurifolia</i>	Tuvarak	ತುವರಾಕ	Hydnocarpaceae	10
<i>Spathodea campanulata</i>		ಸಪಾಡೋ	Bignoniaceae	5
<i>Adathoda boddemi</i>	Vasaka	ವಾಸಕ	Acanthaceae	4
<i>Datura inoxia</i>	Dhustura	ಧುಸುರಾ	Solanaceae	10
<i>Opuntia dillanii</i>	Vidar	ವಿದಾರ	Opuntiaceae	4
<i>Persia americana</i>	Butterfruit	ಬಟರ್‌ಫ್ರೂಟ್	Clusiaceae	2
<i>Averrhoa Corambola</i>	Karmarag	ಕರ್ಮರಾಗ	Averrhoaceae	10
<i>Nervelia Zaylanica</i>	Dhanavalli	ಧನವಳ್ಳಿ	Ranunculaceae	—
<i>Pterospermum canesense</i>	Mucukandah	ಮುಕುಕಂಡ	Sterculiaceae	10
<i>Cosuncum fenestratum</i>	Dharvi	ಧಾರ್ವಿ	Minispermaceae	1
<i>Euphorbia centiquarum</i>	Vajrakantakah	ವಾಜ್ರಕಾಂತಕಾ	Euphorbiaceae	—
<i>Euphorbia ligularia</i>	Snuhi	ಸನುಹಿ	—	4
<i>Premna Corymbosa</i>	Agnimanth	ಅಗ್ನಿಮಾಂಥ	Verbinaceae	50
<i>Centella asiatica</i>	Bramhi	ಬ್ರಾಮ್ಹಿ	Apiaceae	—
<i>Cassia Safera</i>	Kasmarda	ಕಾಸ್ಮರ್ದಾ	Caesalpinziaceae	25
<i>Leptodenea reticulata</i>	Jeevanthi	ಜೀವಾಂಥಿ	Asclepiadaceae	20
<i>Solanum seforthianum</i>	Bhrinathi	ಭರಿಂಥಿ	Solanaceae	250
<i>Solanum tourum</i>	—	ಸೂಲಂ	—	200
<i>Carica papaya</i>	Eranda karkate	ಐರಂದಾ	Caricaceae	20
<i>Bamboosa bamboo</i>	Vamsha	ವಮಶಾ	Poaceae	500
<i>Dendrocalamus strictus</i>	—	ದತ್ತ	—	50
<i>Caesalpena bondee</i>	Lathakaranja	ಲಾಠಾಕರಾಂಜಾ	—	15
<i>Eupatorium Iyapana</i>	Ayaparnah	ಆಯಾಪರನಾ	Asteraceae	50
<i>Acacia ferugera</i>	Shami	ಶಾಮಿ	Mimosaceae	10
<i>Diptiocarpus indicus</i>	Dhoopa	ಧೂಪಾ	Diphrocarpaceae	Nil
<i>Ficus infectoria</i>	Plaksha	ಪಲಾಶಾ	Moraceae	10
<i>Hydnocarpus laurifolia</i>	Tuvarakah	ತುವರಾಕಾ	Hydnocarpaceae	14
<i>Elettaria cordamomum</i>	Ela	ಎಲಾ	Scitaminaceae	3
<i>Acacia leucophloea</i>	Irimeda	ಐರಿಮೆಡಾ	Mimosaceae	20
<i>Acacia auriculeformis</i>	—	—	—	5
<i>Justicia pectinata</i>	Vataghni	ವಾತಾಗ್ನಿ	Acanthaceae	—
<i>Hedyotis puberella</i>	—	—	—	—
<i>Indigofera tinctoria</i>	Neelini	ನೀಲಿ	Papilionaceae	50
<i>Amaranthus virides</i>	Tanduliyaka	ತಂದುಲಿಯಾಕಾ	Amaranthaceae	10
<i>Wattakaka valvubales</i>	—	ವಾತಾಕಾಕಾ	Asclepladaceae	3
<i>Acanthospermum hispidum</i>	—	—	—	Nil
<i>Allamanda Catheritica</i>	—	ಅಲಮಾಂಡಾ	Apolyanaceae	—

Botanical Name	Sanskrit	Local	Family	No. of plants planted
Leucas zeylanica	esatta tumba	ಕಾವುಮೆ	--	4
Mangifera indica	Amra	ಮಾವು	Anacardiaceae	150
Melia azedarach	Maharumbu	ಮುಳ್ಳುಬೇವು	Meliaceae	50
Melia dubia	Arangaka	ಪೆಟ್ಟು	--	50
Mesua ferrea	Naga kesara	ನಾಗಕೆಸರಿಗೆ	Guttiferaceae	150
Michelia champaca	Champak	ಕೆಂಪು	Magnoliaceae	200
Mimosa pudica	Lajalu	ನಾಚಿಕೆ	Mimosaceae	Mass
Mimusops elonga	Bakula	ಕಂಪು	Sapotaceae	1600
Morinda citrifolia	Achuka	ಪರಬಹುಮೆ	Rubiaceae	200
Couropita gyanensis	Nagalingapuspa	ನಾಗಲಿಂಗ ಪುಷ್ಪ	Sapotaceae	10
Canthium purviflora		ಕಾಂ	Rubiaceae	10
Spathodea campanulata	Uparanga	ನೀರುಕಾಯ	Bignoniaceae	4
Colocasia indica	Kachu	ಕೆಪು	Arecaceae	20
Tunbergia grandiflora		ಕಾಂ	Acanthaceae	10
Mussaenda frandosa	Nagavalli	ನಾಗವಲ್ಲಿ		
	Shrivatte	ಬೆಳ್ಳು	Rubiaceae	--
Melastoma malabathricum	ಮೆಲಾಸ್ಟಮ (ಮೆಲಾಸ್ಟಮ)	ಕೆಂಪು	Melastomaceae	4
Gloriosa superba	Agnisikha	ಗಂಧಪುಷ್ಪ	Liliaceae	--
Cassia accidentalles	Kasamarda	ಕಾಸಮರ	Caesalpiniaceae	4
Scheuchera oleosa	Kosumba	ಕೊಂಬು	Sapindaceae	2
Nyctanthus arboristis	Parijatha	ಪಾರಿಜಾತ	Oleaceae	150
Stereospermum sinuolens	Patala	ಪದಾಂ	Bignoniaceae	20
Syzygium aromaticum	Lavanga	ಲವಂಗ	Myrtaceae	50
Pueraria tuberosa D.c		ಬಂದಾರಿ	Leguminosae	200
Prosopis spicigera		ಬಾರಿ	Mimosaceae	2
Desmodium gangeticum	Presni parni	ಕೆಂಪು	Papilionaceae	Mass
Nelamarkia cadamba	Kadamba	ಕದಂಬ	Rubiaceae	
Heterophylla angustifolia			Amaranthaceae	Nil
Sida reticulata				Nil
Securinega virosa		ಕೆಂಪು	Euphorbiaceae	1
Tecoma stans			Bignoniaceae	30
Acalia auriculiformis			Caesalpiniaceae	4
Musa paradisiaca	Rambha	ಬಾಳೆ	Musaceae	
Idigarna longifolia	Balbtaka (S)		Anacardiaceae	50
Acalia auriculata		ಆಕಲಿ	Mimosaceae	--
Neravella zeylanica			Ranunculaceae	150
Assamplour perira	Amboosta	ಪರಬೇರು	Mintspermaceae	50
Plumbago rosea	Chitraka	ಕೆಂಪುಚಿತ್ರಕ	Plumbaginaceae	500
Eleocarpus sphaericus	rudraksam	ರುದ್ರಾಕ್ಷ	Eleocarpaceae	
Alangium solvifolia	Shoedhanam	ಅಂಜಿ	Solvidoraceae	500
Termenalla catappa	Badam	ಬಾದಾಮಿ	Combrutaceae	100
Pongamea blinnata	Karanja	ಕಾರಂಜಿ	papilionaceae	600

Botanical Name	Sanskrit	Local	Family	No. of plants planted
<i>Sigilium cuminii</i>	Jomboo	ಜೀರಳಿ	Myrtaceae	600
<i>Caslophyllum oenophyllum</i>	Punnaga	ಕುರೂನೈ		200
<i>Sigilium jombolena</i>	Jomboo	ಪನ್ನರಳಿ	Myrtaceae	100
<i>Kommiphora mukul</i>	Guggul	ಗುಗ್ಗುಲು		6
<i>Abrus precatorious (R)</i>	Gunja	ಗುಣಗಂಜಿ	Fabaceae	50
<i>Abtulon indicum</i>	Athibala	ಅತ್ತಮುಲೆ	Mulvaceae	3
<i>Acacia arebica</i>	Vabboola	ವಾಬ್ಬೂಲಿ	Fabrecal	200
<i>Acacia catechu</i>	Khadir	ಖದಿರ	---	30
<i>Acacia cancina</i>	Saptala	ಸಾಪ್ತಲ	---	Mass
<i>Achaleypa indica</i>	Harithamajari	ಕುಪ್ಪೆ	Euphobiaceae	Mass
<i>Achyranthes aspera</i>	Apamarga	ಅಪಮರ್ಗ	Amarantharea	Mass
<i>Achrous calamus</i>	Vacha	ವಚ	Arodaceae	Mass
<i>Adenenthera pavonia</i>	Manjooti	ಮಂಜೊತ್ತಿ	Fabaceae	200
<i>Aegle mormelons</i>	Bilva	ಬಿಲ್ವ	Ratacene	700
<i>Agava amesicana</i>	Kantala	ಕಾನ್ತಲೆ	Amarillidaceae	3
<i>Allanthes excelsa</i>	Nimba ದ್ರೂಣ	ಚಿವು	Mchlaceae	10
<i>Adothoda vasica</i>	Vasa	ಅದೂಡೋಣ	Acanthaceae	Mass
<i>Albizzia lebbeck</i>	Sirisha	ಸಿರಿಸಾ	Tahaceae	70
<i>Albizzia amara</i>	Krishna Srisha	ಶ್ರೀಶಾ	---	5
<i>Allium cepa</i>	Palanda	ರಪ್ಪುಲೆ	Lilliacae	---
<i>Allium Satirnum</i>	Casuna	ಚೆಳುಲೆ	---	---
<i>Aloe vera</i>	Kumari	ಕೂಳಿಮ	---	Mass
<i>Alpinia galanga</i>	Dhamparashni	ರಶ್ನಾ	Scitaniaceae	Mass
<i>Alstonia Sehotaries</i>	Saptaparni	ಪಾಪಲೆ	Apoeyanaeus	10
<i>Anacardium occidentale</i>	Ballataka	ಗೇರು	Anacardaceae	15
<i>Anamirta cocunlous</i>	Kakaphala	ಕಾಯಮರಿ	Mlnisplumer	50
<i>Annamus satims</i>	---	ಅಣ್ಣನರ್	Bromillaceae	---
<i>Andrographis paniculata</i>	Kalamegha	ಭೂನಿಂಬ	Acanthaceae	Mass
<i>Climbopogon citratus</i>	Bhurtana	ಮಜ್ಜೆಗೆಮ್ಮಲು	Poaaceae	Mass
<i>Annona squmosa</i>	Sithaphal	ಸೀತಾಫಲ	Anonaceae	10
<i>Annona reticulata</i>	Ramphal	ರಾಮಫಲ	---	10
<i>Anogelssus latifolia</i>	Dindiga	ದಿಂದಿಗ	Legitraneaceae	1
<i>Areca catchu</i>	Kramucha (Boga)	ಅರಿಕೆ	Palmuccae	Mass
<i>Arglmona mexicana</i>	Swanna purpi	ಉಮ್ಮತ್ತಿ	Pappavaraea	2
<i>Aritabelvia bractiata</i>	Eshwari	ಈಶ್ವರಿ	Aristalochaeme	20
<i>Aritabelvia indica</i>	---	---	---	50
<i>Artocarpous insignifolia</i>	Panasa	ಪಲಸು	Moraceae	200
<i>Asclipla cursalica</i>	Raktharka	ಕೆಂಪ್ರವಿಕ್ಕಾ	Ascliplardaeae	Mass
<i>Stevia romboldia</i>	---	ಸ್ಟೀವಿಯ	Asteraceae	Mass
<i>Millingtonia arboria</i>	Akash mallika	ಅಕಾಶಮಲ್ಲಿಗೆ	Atullaeculu	20

Shobhavana Campus plant names details:

1	ನೆಲೆ	amalaki	Emblica officinalis
2	ಪಾದರಿ	Patala	Ptereospermum Suvoveolense
3	ಸರ್ಪದತ್ತಿ	Moorva	Sensiviera Roxburgii
4	ಹೊಳದಾನವಾಳ	Tinisha	Legerstomia Flos Reginac
5	ಅಶೋಕ	Ashoka	Saraca Asoca
6	ಅಸನ	Asana	Pterospermum Marsupium
7	ಕೋಡಸಿಗ	Kutaja	Hollerrhena Antidysentrica
8	ಸಂದುಬಳ್ಳು	Astistrankula	Cissus Quodrangularis
9	ನಾಡಿ ಹಿಂಗು	Dikkamali	Gardenia gummifera
10	ಭಾಸ್ಕತಿ	Bhasmathi	Pandanus Amraylliifolius
11	ಹೂವರಸಿ	hoovarasi	thuspesia Populnea
12	ಚವ್ಯ		Piper chaba
13	ಜಲಮಧುಕ	Jalamaduka	Maduca Longifolia
14	ಲೋಳಸರ	Kumari	Allo-vera
15	ಮತ್ತಂಜೀವ	Putranjeeva	Putranjeeva Roxburgii
16	ಬೆಟ್ಟ ಕಣಗಿಲೆ	bhavya	Dellenia Pentagyna
17	ಅರ್ಜುನ	Arjuna	Terminalia Arjuna
18	ಕಹಿಬೇವು	Neem	Agadirachta indica
19	ರೋಹಿತಕ	rohitaka	Amoora Robasta
20	ಅತ್ತಿಮರ	oudumbara	Ficus recamosa
21	ಈಂಡ್ ಮರ	Baina mara	caryota urens
22	ಹಿಪ್ಪಲ	Pippali	Pipper Longum
23	ನೀಲ ಗಿಡ	Neeli	indigofera Tinctorea
24	ಅಡಿಕೆ	Poogaphal	Areca catechu
25	ಮದರಂಗಿ	Henna	Lawsania Innermis
26	ಉಪ್ಪಿಮುಳ್ಳು	ESAGALE	Azima Tettrakanta
27	ಬಕನಾಯಕ	Saptachakra	salecia Reticulata
28	ರುದ್ರಾಕ್ಷಿ	Rudraksha	Eleocarpus Genttrus
29	ರಂಜೆ	Bakula	Mimusops Ellengii
30	ಬಸರಿ	Plaksha	Ficus Infectorea
31	ಶಿವನಿ	gambari	Gmellina Arborea
32	ಮಧುನಾಶಿನಿ	Meshashringi	Gymnema Sylvestries
33	ಅರಕಾಯಿ	vibitaki	Terminalia Bellerica
34	ಗಂಗಮ್ಮನ ಬಳ	Jyothishishmati	Celestrus pernicutales
35	ಗೋರಂಟೆ	Sahachara	Barleria Prionites /cristatus

36	ವರುಣ	varuna	creteva Religiosa
37	ಶಂಖಪುಷ್ಪ	Shankapushpi	Clitorea Turnatia
38	ಅರಸಿನ	Turmaric	curcuma longa
39	ಕಾಳುಮೆಣಸು	Peppar	Piper nigrum
40	ಗರುಡಪಾತಾಳ	Sarpagandha	Rowalfia Serpentina
41	ಗುಡ್ಡಹರಟು	Jathropa	Jatropha curcus
42	ದುರ್ವಾಸನಮರ	Dinari	Mapia Foetida
43	ಜಂಬುನೇರಳ	Jamboo	Syzygium Jamboo
44	ಹುಣಸೆ ಮರ	Chincha	Tamarindus Indica
45	ಬಳಕುಂಡಿ ಸೂಪ್ಪು	Pashanabedha	Aerva Lanata
46	ಸಮುದ್ರ ಫಲ	Hijjala	Baringtonia Aqcutangula
47	ದಾಲ್ಚಿನ್ನಿ ಮರ	Dalchini	Syzygium zeylanica
48	ಬಿದಿರು	Vamsa	bambax Bamboo
49	ನಾಗಕೇಸರ	NAGASAMPIGE	Mesua Ferrea
50	ಅಂಕೋಲೆ	ANKOLA	Allengium Soluifolium
51	ಕೆಂಪುಚಂದನ	Rakthachandana	Pterocarpus Santalinus
52	ವರುಣ	HOLE NEKKI	Cretava Religiosa
53	ನೆಕ್ಕಿ	Nirgundi	Vitex trifolia
54	ಕದಂಬ	KADAVALA	Anthocephalus Kadamba
55	ಬಾರುಗ	Shalmali	Ceiba pentendra
56	ಸಂಪಿಗೆ	champaka	michelia champaka
57	ತಪಸಿ	chirabilwa	Holeptella integrifolia
58	ನಾಗಲಂಗ ಪುಷ್ಪ	Nagalinga Pushpa	couropita guimenss
59	ಕೇದಗೆ	Kethaki	Pondanus odoratissamus
60	ಕರಂಡಹುಳ	karamarda	Carica carmdus
	ಮನರ್ ಮುಳ	vrakshamla	Garcinia indica
61	ಚಿತ್ರಮಾಲ	chitraka	Plumbago Rosea
62	ಚಕ್ರಾಣಿಕೆ	chakranika	Apama Siliquosa
63	ಕೂವೆಗಿಡ	THAVAKSHIRA	Marantha aurundinacea
64	ಬೆತ್ತದಗಿಡಗಳು	VETRA	calamus Rotang/colamus tenuis. sp
65	ವಿಡಂಗ	Vayu vidanga	Emblia Robosta
66	ಜಾರಿಗೆ	jarige	Garcinia Morella
67	ಕಿರಿಹೊನ್ನೆ	Kiri Honne	callophyllum Wightianum
68	ಶ್ವೇತಕುಟಾಜ	Shwetha Kutaja	wrightia Tinctorea
69	ಕೆಂಕುಮ	Sindoori	Bixa orellena
70	ಹುಪ್ಪೆ	Maduca	Madhuca indica
71	ಶ್ರೀಗಂಧ	Chandana	Sentalum album

72	ವಿಷದಾಳಂಬ	Noni	Morinda citrifolia
73	ಲಕ್ಷ್ಮಣ ಫಲ	Laxman phal	Annona muricata
74	ಬಿಲ್ವಪತ್ರೆ	Bilwa	Aegle Marmalos
75	ಅಡುಸೋಗೇ	vasaka	Adathoda vasaka
76	ಪದ್ಮುಗ	Padmuga	ceasalpinia sappan
77	ಕ್ಷುದ್ರ ಅಗ್ನಿಮಂಥ	kshudra Agnimanth	clerodendron Phlomoides
78	ಪಾಲಮರ	Saptaparni	Alstonia scholaris
79	ಹೆಬ್ಬಲಸು	KSHUDRA PARNASH	Artocarpus Hirsutus
80	ಸಾಲವ್ರಕ್ಷ	Sala vruksha	Shorea Robasta
81	ಅಡುಮುಟ್ಟದ ಬಳ್ಳಿ	Adu Muttada balli	Tylophera indica
82	ಗೋರಂಜಿ	Sahachara	Barleria Cristata
83	ಅನೇಮುಂಗು	Shyonaka	Oraxylum indicum
84	ನೇರಳೆ	jambo	Eugenia Malacconsis
85	ಅಗ್ನಿಮಂಥ	Agnimantha	Premna integrifolia
86	ದಂತಿ	danti	Beliospreum montana
87	ಹೂಂಗಿ	Karanja	Pongamia Pinnata
88	ಕಾಡು ಬಸೆಳೆ	Parnabeeja	Bryophyllum pinnata
89	ಜಾಜಿ ಹೂ	Jathi pushpa	jasminum grandiflora
90	ಪನ್ನೇರಳೆ	Jamboo	Syzygium jamboolanum
91	ಎಣ್ಣೆಹೂನ್ನೆ	Punnaga	Collophyllum innophyllum
92	ಉತ್ತರಾಣಿ	Apamarga	Achyranthus Aspera
93	ವೀಳ್ಯ	thamboola	Pipper beetle
94	ಕರಿಮರ	Agaru	Aquilorina Agalocha
95	ಬನ್ನಿ	Shami	cassia Ferugenia
96	ಖದಿರ	Khadira	Acacia catechu
97	ಗೋಳ	vata	Ficus bengalensis
98	ಮಂಡಾರ	Kanchanara	Bahuinia Verigata
99	ರಾಸ್ನ	Rasna	Alphinia Galanga
100	ಕಾಲುಮೇಘ	Kalamagha	Andrograpis peniculatus
101	ಮಡಿವಾಳ ಬೇರು	Usheera	Vettiveria zizonoides
102	ತುಳಸಿ	Tulasi	ocimum sanctum
103	ಸಿಹಿಹಂಬಡಿ	Ambasta	Tamarindus Indica
104	ಕಾಡು ಬಾದಾಮಿ	Badam wild	Terminalia catappa
105	ಭದ್ರಾಕ್ಷಿ	Badraksha	Gauzuma Tomentosa
106	ಲಂಬೆ	Nimba	citrus medica
	ಲಾಕೊಚ	Lackoocha	Artocarpus lackoocha
107	ಹೋಳೆಮತ್ತಿ	Arjuna	terminalia Arjuna

108	ಕಕ್ಕೆ	Aragwada	cassia alata/cossia tore
109	ಮುಚುಕುಂದ	Kanaka champa	Pterspermum canasens
110	ಗುಲ್ಮಾವು	gulmavu	Persia Macrantha
111	ಬೂರುಗ	Shalmali	Cieba malaberica
112	ಕೋಶಾಮ್ಬ	Koshambra	schlechera oleosa
113	ಕೋಜಂಬಿ	tambra parni	combratum extensum
114	ಕೇಶವರ್ಧಿನಿ	Keshavardini	Spencratherum Punctuvetum
115	ಹಲಗೆ ಹಣ್ಣು		Alegnes Conferta
116	ಪಾರಿಜಾತ	Parijatha	Nyctanthus Orbor.strities
117	ಹುಣಸೆ	chinch	Tamarindus Indica
118	ಹೂವರಸಿ	Hovarasi PARISII	thuspesia Populnea
119	ಕರಿಲಕ್ಕಿ	nirgundi	vitex Nigundo
120	ಗರುಡಫಲ	tuvaraka	hydnocarpus. Pentendra
121	ಸರಳ	Sarala	Pinus Roxburgii
122	ನೋರೆಕಾಯಿ	soap Nut	Acacia sinuata
123	ಜಾಜಿ	Jathi pushpa	jasminum grandiflora
124	ಕೆಂಪು ಬೂರು	lthal balli	ventilago madaraspata
125	ಪಿನಾರಿ	gandha Prasarini	federia foetida
126	ಅನಾನಸು	pinapple	Annona Sativa
127	ಗಂಟು ಬಾರಂಗಿ	Barangi	clerodendron Sarratum
128	ದೊಡ್ಡಪತ್ರೆ	sambrani Balli	Colius Aromaticus
129	ಅಂಟುವಾಳ	Aristaka	sapindus laurifolia
130	ಮಜ್ಜಿಗೆ ಹುಲ್ಲು	lemon grass	Cymbopogon Citratus
131	ಎಕನಾಯಕ	Ekanayaka	salecia Reticulata /
			chainensis/Oblonga/ fruticosa
132	ಮಲ್ಲಿಗೆ	jasmin/Mallika	Jasminum grandiflora/Sambac/
			Arborsense/angustifolia/
			Pubesence/Officinalis
133	ವಾಕಂಕೊಳ್ಳು	vatagni	Justecia Jandaruza
134	ಮದನಫಲ	Madana Phala	Randia demotorum
135	ಬೆಟ್ಟಶಾಲ್ಮಲಿ	Pitha Shalmali	Cochlospermum Gossipium
136	ಹೆರಿವೇಲಾ	UDEECHYA	Colius forschhi
137	ದೂಪ	Shallaki	boswella sarata
138	ಬೆಲ್ಲೋಟ್ಟೆ	masanda	masanda frondosa
139	ಜಾಯಿಕಾಯಿ	Jatiphala	Myristica Fraganse
140	ಗಣಪ ಕಾಯಿ	Palle kai	Entada Scandense
141	ಎಡಮುರಿ	Bhuta Karulu	Helictrus Issora

142	ಮರಗೆಣಸು	Tapioca	manihot utilisima
143	ನುಗ್ಗೆ	Shobhanjana	Moringa Olifera
144	ಕರಿಬೇವು	Curry Leaves	Murreya koenigii
145	ಸಾಪಲಪರ್ಣಿ	salaparni	Pseudartha visida
146	ಪ್ರಶ್ನಪರ್ಣಿ	Prashnaparni	desmodium gangaticum
147	ಜಡ್ಡುಮುಳ್ಳು	vikankata	Flacuortia Montana
148	ದಾರೆಹುಲ	KARMARANGA	Averroha Carambola
149	ಕುಕ್ಕುಶುಂಠಿ	Mango ginger	curcuma Amada
150	ಅರಸಿನ	termaric	Carcuma Longa
151	ಅಯ್ಯಪಾನ	Iyyapana	Eupatorium Iyyapana
152	ಚಕ್ರಮನಿ	vitamin Plant	sourophus Androgynos
153	ಗೋಸೆಂಪಿಗೆ	Deva kanagile	Plumeria acutifolia
154	ಕರಿಮರ	Tinduka	Diospyros Sps
155	ಬಂದಮರ	ASANA VALLI	Diospyros Perigrina
156	ಕೆಂಪು ಉತ್ತರಾಣಿ	Apamarga Red	Stachytarphita Mutabilies
157	ನಂಜೇಬೇರು		
158	ಬೇರೆಮರ		HOLIGARNA FERUGINIA
159	ಸೂತ್ರದ ಮರ	ಬಿಳಿ ಲಗುರು	Diospyros buxiflora
160	ಸಿರಿ ಹೂಣ್ಣೆ		CALLAPHYLLUM APETALUM
161	ವಿಷವಟ್ಟಿ		GERMANNI

Shobhavana Bird Park details:

Concept note of creating a bird park

Introduction:

Birds occupy a wide range of ecological positions. While some birds are generalists, others are highly specialized in their habitat or food requirements. Even within a single habitat, such as a forest, the niches occupied by different species of birds vary, with some species feeding in the forest canopy, others beneath the canopy, and still others on the forest floor. Forest birds may be insectivores, frugivores, and insectivores. Aquatic birds generally feed by fishing, plant eating, and piracy. Birds of prey specialize in hunting mammals or other birds, while vultures are specialized scavengers. Avivores are animals that are specialized at preying on birds.

Some nectar-feeding birds are important pollinators, and many frugivores play a key role in seed dispersal. Plants and pollinating birds often coevolve, and in some cases a flower's primary pollinator is the only species capable of reaching its nectar. There are about 10,000 known Bird Species in the world, in India there are about 1266 species of birds and Karnataka state has about 531 bird species.

Phase-wise planning:

Month: January to May 2017-

I. Preliminary survey of birds:

To assess the present species of birds and their population, there requires a survey to prepare a checklist of birds of the campus. This provides a preliminary information about the status, which helps to further develop the plant species list as desired by the birds.

II. Month: June to July-

III Planting of fruiting and nectar plants at the required combination and providing name tags to each plant. Caring the plants with proper maintenance. Absolutely NO pesticide and insecticide.

Month: August to September-

IV Boards depicting birds to be erected at respective places.

Month: November on wards-

maintaining the location with watering the plants as desired to make sure the plant does not wilt. If possible sprinkler system once a day during winter and summer.

Application aspects:

- Could be used as a biology laboratory for biology students to study the life cycle, ecology and behaviour of birds
- Enthusiasts can visit the park as a biological tour with limited entries (about 20 per visit only)
- Photographer's paradise
- Contributes to maintain ecological balance by creating a habitat for birds

Plants for Planting:

1. Mango	17. Areca catechu	33. Petrea volubilis
2. Jamoon	18. Champaca	34. Bougainvillea
3. Jackfruit	19. Sandalwood	35. Tupha grass
4. Artocarpus integrifolius	20. Pongamia pinnata	36. Jowar, rice etc. scattered
5. Banyan	21. Hopea ponga	37. Coconut
6. Ficus racemose	22. Myristica malabarica	38. Citharexylum spinosum
7. Peepal	23. Hopea parviflora	39. Butea monosperma
8. Butea monosperma	24. Bamboo	40. Bombax malabarica
9. Erthrina indica	25. Annona reticulate	
10. Vateria india	26. Annona squamosa	
11. Spondias Pinnata	27. Saraca asoca	
12. Borassus palm	28. Garcinia indica	
13. Singapore cherry	29. Bannana	
14. Gauva	30. Teak	
15. Pomogranate	31. Rosewood	
16. Cayota Uerns	32. Hamelia patens	

Name of the Birds in the campus:

Some of the possible Birds of the campus				
SL No.	Common Name	Scientific Name	Type	Feeding
1	Asian Koel	<i>Eudynamis scolopacea</i>	Resident	Frugivorous
2	Asian Openbill Stork	<i>Anastomus oscitans</i>	Migrator y	Wetland
3	Barn Swallow	<i>Hirundo rustica</i>	Migrator y	Insectivorous
4	Black Drongo	<i>Dicrurus macrocercus</i>	Resident	Insectivorous
5	Black Kite	<i>Milvus migrans</i>	Resident	Raptorial
6	Blue Rock Pigeon	<i>Columba livia</i>	Resident	Frugivorous
7	Blue Winged Parakeet	<i>Psittacula columboides</i>	Resident	Frugivorous
8	Blyth's Reed Warbler	<i>Acrocephalus dumetorum</i>	Migrator y	Insectivorous
9	Brahminy Kite	<i>Haliastur indus</i>	Resident	Raptorial
10	Bronze Winged Jacana	<i>Metopides indicus</i>	Resident	Wetland
11	Cattle Egret	<i>Bubulcus ibis</i>	Resident	Insectivorous
12	Chestnut Headed Bee Eater	<i>Merops leschenaulti</i>	Resident	Insectivorous

13	Common Coot	<i>Fulca atra</i>	Resident	Omnivorous
14	Common Emerald Dove	<i>Chalcophaps indica</i>	Resident	Frugivorous
15	Common Kingfisher	<i>Alcedo atthis</i>	Resident	Insectivorous
16	Common Sandpiper	<i>Actitis hypoleucos</i>	Migratory	Wetland
17	Common Tailorbird	<i>Orthotomus sutorius</i>	Resident	Insectivorous
18	Great Cormorant	<i>Phalacrocorax carbo</i>	Resident	Aquatic
19	Grey Francolin	<i>Francolinus pondicerianus</i>	Resident	Omnivorous
20	Grey Heron	<i>Ardea cinerea</i>	Resident	Wetland
21	House Crow	<i>Corvus splendens</i>	Resident	Omnivorous
22	House Sparrow	<i>Passer domesticus</i>	Resident	Gregarious
23	Indian Peafowl	<i>Pavo cristatus</i>	Resident	Omnivorous
24	Indian Pond Heron	<i>Ardeola grayii</i>	Resident	Insectivorous
25	Jungle Babbler	<i>Turdoides striata</i>	Resident	Omnivorous
26	Jungle Bush Quail	<i>Perdix asiatica</i>	Resident	Omnivorous
27	Jungle Crow	<i>Corvus macrorhynchos</i>	Resident	Omnivorous
28	Jungle Myna	<i>Acridotheres fuscus</i>	Resident	Omnivorous
29	Little Cormorant	<i>Microcarbo niger</i>	Resident	Aquatic
30	Little Egret	<i>Egretta garzetta</i>	Resident	Wetland
31	Little Grebe	<i>Tachybaptus ruficollis</i>	Resident	Aquatic
32	Little Ringed Plover	<i>Charadrius dubius</i>	Migratory	Wetland
33	Median Egret	<i>Mesophoyx intermedia</i>	Resident	Wetland
34	Orange Headed Thrush	<i>Geokichla citrina (cyanota)</i>	Resident	Omnivorous
35	Oriental Magpie Robin	<i>Copsychus saularis</i>	Resident	Insectivorous
36	Painted Bush Quail	<i>Perdix erythrorhynchos</i>	Resident	Omnivorous

37	Purple Moorhen	<i>Porphyrio poliocephalus</i>	Resident	Wetland
38	Racket Tailed Drongo	<i>Dicrurus paradiseus</i>	Resident	Insectivorous
39	Red Wattled Lapwing	<i>Vanellus indicus</i>	Resident	Insectivorous
40	Red Whiskered Bulbul	<i>Pycnonotus jocosus</i>	Resident	Frugivorous
41	Rose Ringed Parakeet	<i>Psittacula krameri</i>	Resident	Frugivorous
42	Rufous Treepie	<i>Dendrocitta vagabunda</i>	Resident	Omnivorous
43	Scaly Breasted Munia	<i>Lonchura punctulata</i>	Resident	Gregarious
44	Small Green Bee Eater	<i>Merops orientalis</i>	Resident	Insectivorous
45	Southern Coucal	<i>Centropus sinensis</i>	Resident	Omnivorous
46	Spotted Dove	<i>Spilopelia chinensis</i>	Resident	Frugivorous
47	Stork Billed Kingfisher	<i>Pelargopsis capensis</i>	Resident	Insectivorous
48	Tricoloured Munia	<i>Lonchura malacca</i>	Resident	Gregarious
49	White Breasted Waterhen	<i>Amaurornis phoenicurus</i>	Resident	Wetland
50	White Throated Kingfisher	<i>Halcyon smyrnensis</i>	Resident	Wetland

Shobhavana Butterfly Park details:

Concept note on creating a Butterfly Garden and Bird park

- Harish R. Bhat, Chaturved Shet, Vrijulal

Butterfly garden-

Introduction:

Butterflies are particularly termed as biological indicators. Biological indicators are those organisms which are very sensitive to any changes in their environment. Their presence or absence, or their number is a good indication of a healthy environment. Observing butterflies as biological indicators, the diversity of habitats can be well documented. The habitats of butterflies are strictly terrestrial. Virtually all butterflies are associated with plants and trees; therefore their occurrence depends on the presence of plants and trees. Different species of plants and habitats will attract wide variety of butterflies, which play a vital role in pollination of various flowering plants besides a key component of food chain. India hosts about 1,504 species of butterflies of which peninsular India hosts 351 species and the Western Ghats 334 species.

Highlighting features -

- • Butterflies belong to the class insecta
- Their life span is about fortnight to couple of months
- Involves 4 stages in their life cycle: *Egg, Larva, Pupa and Adult*
- Each butterfly is specific to particular host plants
- 315 species of butterflies in south India and about 150 species of butterflies in Bangalore have been documented.

Some of the possible butterflies in Moodbidri are:

SL No	Common name	Scientific name	Family	Status
1	Common Pierrot	<i>Castalius rosomon</i>	Blues	Common
2	Common Cerulean	<i>Jamides celeno</i>	Blues	Common
3	Pea Blue	<i>Lampides boeticus</i>	Blues	Common
4	Tiny Grass Blue	<i>Zizula hylax</i>	Blues	Common
5	Tamil Lacewing	<i>Cethosia mahratta</i>	Brush footed	Endemic
6	Malabar Tree-Nymph	<i>Idea malabarica</i>	Brush footed	Endemic
7	Glad-eye Bushbrown	<i>Mycalesis junonia</i>	Brush footed	Endemic
8	Tamil Yeoman	<i>Circechroa thais</i>	Brush footed	Endemic
9	Chocolate Pansy	<i>Junonia iphita</i>	Brush footed	Common
10	Lemon Pansy	<i>Junonia lemonias</i>	Brush footed	Common
11	Peacock Pansy	<i>Junonia almana</i>	Brush footed	Common
12	Dark Blue Tiger	<i>Tirumala septentrionis</i>	Brush footed	Common
13	Striped Tiger	<i>Danaus genutia</i>	Brush footed	Common
14	Grev Pansy	<i>Junonia atlites</i>	Brush footed	Common
15	Great Eggfly	<i>Hypolimnas bolina</i>	Brush footed	Common
16	Danaid Eggfly	<i>Hypolimnas missipus</i>	Brush footed	Common
17	Common Evening Brown	<i>Melanitis leda</i>	Brush footed	Common
18	Plain Tiger	<i>Danaus chrysippus</i>	Brush footed	Common
19	Common Crow	<i>Euploea core</i>	Brush footed	Common
20	Blue Tiger	<i>Tirumala limniace</i>	Brush footed	Common
21	Tawny Coster	<i>Acraea violae</i>	Brush footed	Common
22	Suffused Double-banded Judy	<i>Abisara bifasciata suffusa</i>	Judies	Common
23	Malabar Banded Swallowtail	<i>Papilio liomedon</i>	Swallowtails	Endemic
24	Malabar Raven	<i>Papilio dravidarum</i>	Swallowtails	Endemic
25	Malabar Banded Peacock	<i>Papilio buddha</i>	Swallowtails	Endemic
26	Southern Birdwing	<i>Troides minos</i>	Swallowtails	Endemic
27	Narrow Banded Blue-bottle	<i>Graphium tereon</i>	Swallowtails	Common
28	Common Jay	<i>Graphium doson</i>	Swallowtails	Common
29	Tailed Jay	<i>Graphium agamemnon</i>	Swallowtails	Common
30	Common Common	<i>Papilio polytes</i>	Swallowtails	Common
31	Blue Mormon	<i>Papilio polymnestor</i>	Swallowtails	Common
32	Lime Butterfly	<i>Papilio demoleus</i>	Swallowtails	Common
33	Common Rose	<i>Atrophaneura aristolochiae</i>	Swallowtails	Common
34	Crimson Rose	<i>Atrophaneura hector</i>	Swallowtails	Common
35	Painted Savtooth	<i>Prioneris sita</i>	Yellows and Whites	Endemic
36	Common Jezebel	<i>Delias eucharis</i>	Yellows and Whites	Common
37	Great Orange Tip	<i>Hebomoia glaucippe</i>	Yellows and Whites	Common
38	Small Leopard	<i>Phalanta alcippe</i>	Yellows and Whites	Common
39	Double-branded Black Crow	<i>Euploea sylvestris</i>	Yellows and Whites	Common
40	Common Grass yellow	<i>Eurema hecabe</i>	Yellows and Whites	Common

Method to create Butterfly garden:

To create an 'in situ' (not excluding butterflies from their habitat) butterfly park, most important aspects are: identifying a suitable location with sufficient watering facility, identifying the essential host and nectar plants for these butterflies and creating a pond with marshy zones. Planting of host plants are quite important to attract the respective butterflies. The host spectrum includes herbs, shrubs, climbers and trees. These host plants are either source for flowering or medicinal or fruit yielding. In addition to the planting of required plants, a shallow pond is to be created for butterflies to mud puddle (they draw the required salts from the moist soil around the pond for the body requirements). This entire area requires a proper care with frequent watering through a low speed sprinklers or drip irrigation method. The entire process needs to be carried out in a phase-wise manner. Proper one year nurturing of the plants is required so as to enable the plants to adjust to the new environs and grow. The entire area should be free from all sorts of pesticides, insecticides and chemical fertilizers, so as to create a healthy environment for butterflies.

Phase-wise planning:

Month: January to May 2017-

I. Preliminary survey of Butterfly species:

To observe the present species of butterflies and their population, there is a need for conducting regular surveys to document and prepare a checklist of butterflies of the campus. This provides a preliminary data about the butterflies, which helps in further development of the garden if required.

II. Preparation of land:

- a) There were a long gorge which is quite deep. This need to be filled and levelled. Few of the boulder stones can be placed at a corner to make a small hill view, which is required for both butterflies and birds.
- b) Creating a small shallow pond –create a saucer shaped water body with shallowing of the edges. Along with this creation, the water level needs to be maintained along with culturing native fishes and the aquatic plants like Lotus, Lilly and at the fringe of the pond plants like Typha, Pandanus etc.
- c) Make arrangement for the plant pits, water supplying pipe systems and also a walk path with flat stones.

Month: June to July-

III Planting all the host and nectar plants at the required combination and providing name tags to each plant. Nurturing the plants with proper maintenance. Absolutely No pesticides and insecticides.

Month: August to September-

IV Boards depicting butterflies and their host plants to be erected at respective places.

Month: November on wards-

Maintaining the Butterfly Park, watering the plants as desired and keeping the place moist always. If possible sprinkler system once a day during winter and summer. Always maintaining the pond with water.

Application aspects:

- Could be used as a biology laboratory for biology students to study the life cycle, ecology and behavior of butterflies

- Enthusiasts can visit the park as a biological tour with limited entries (about 20 per visit only)
- Photographer's paradise
- Contributes to maintain ecological balance by creating a habitat for butterflies

List of Host and Nectar plants:

Plant Species	Numbers
Aristolochia indica	100
Polyalthea longifolia	20 - 21
Citrus limon	100 - 150
Murraya koenigii	100 - 150
Ruta graveolens	100
Cassia fistula	10 - 15
Cassia tora	100 - 150
Cassia occidentalis	50 - 100
Pithecellobium dulce	5
Capparis zeylanica	20 - 25
Palm spp. (exotic)	10 - 15
Passiflora foetida	50
Ficocourtia indica	10
Grewia spp.	20
Barleria spp.	100
Abutilon indicum	200
Asclepias	500
curassavica	100
Calotropis gigantea	70
Hemidesmus indicus	100

Zizyphus rugosa	ಕೊಕ್ಕಿಲೆ	20
Abrus Precatorius	ಕಾಕುಕ	200
Achyranthus aspera	ಬಿಳಿ ಕಡಲೆ	100 -
Andrographis	ಕೆಂಪು/ಕಾಲುಮೆಣ್ಣೆ	200 -
paniculata		
Annona squamoa	ಕೋಳಿ, ರೀ, ಕಾ. ಬೆ	50
Annona reticulata	ಕೋಳಿ/ಕಾ. ಬೆ	50
Bambusa spp.	ಬಾಂಬು	50
Bauhinia racemosa	ಕಾಕುಕ	30 -
Cipadessa baccifera	ಕಾಕುಕ	100 -
Clerodendrum inermé	ಕಾಕುಕ (ಕೆಂಪು)	100 -
Clerodendrum	ಬಾಂಬು	100 -
serratum	ಕೆಂಪು	
Corchorus capsularis		50
Crossandra	ಕಾಕುಕ	100
undulaefolia	ಕಾಕುಕ	
Diospyros	ಕಾಕುಕ	20 -
melanoxydon		
Gliricidia spp.	ಕಾಕುಕ	30 -
Hibiscus rosa-	ಕಾಕುಕ	100 -
sinensis		
Helicteres isora	ಕಾಕುಕ	20 -
Ixora spp.	ಕಾಕುಕ	100 -
Jasminum sp.	ಕಾಕುಕ	100 -
Jatropha curcas	ಕಾಕುಕ	200 -
Kalanchoe pinnata	ಕಾಕುಕ	200
Lagasca mollis	ಕಾಕುಕ	100 -
Lantana camara	ಕಾಕುಕ	50 -
Leucas spp.	ಕಾಕುಕ	100 -
Magnolia grandiflora	ಕಾಕುಕ	10

<i>Mangifera indica</i>	ಮಂಜಿ	30
<i>Lagerstroemia</i>	ಪಾಳೆ ಮರ	5
<i>reginae</i>		
<i>Michelia champaca</i>	ಮಿಚೇಲಿ	5
<i>Nerium oleander</i>	ನೇರಿಯಂ	50
<i>Plumago zeylanica</i>	ಪ್ಲಮಾಗೊ	100
<i>Portulaca oleracea</i>	ಪೋರ್ತುಲಾಕಾ	100
<i>Quisqualis indica</i>	ಕ್ವಿಸ್ಕಾಲಿಸ್	50
<i>Rosa indica</i>	ರೋಸಾ	50
<i>Streblus asper</i>	ಸ್ಟ್ರೆಬ್ಲಸ್	10
<i>Tagetes erecta</i>	ತಾಗೆಟೆಸ್	100
<i>Taberemontata</i>	ತಾಬರಮಂಟಾ	50
<i>heyneana</i>		
<i>Triumfetta</i>		50
<i>rhomboidea</i>	ರೈಂಬೋಯಿಡ್	
<i>Wattakaka volubilis</i>	ವಾಟಾಕಾ	10
<i>Zinnia spp.</i>	ಜಿನ್ನಿಯಾ	100



PRINCIPAL

Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225, D.K