



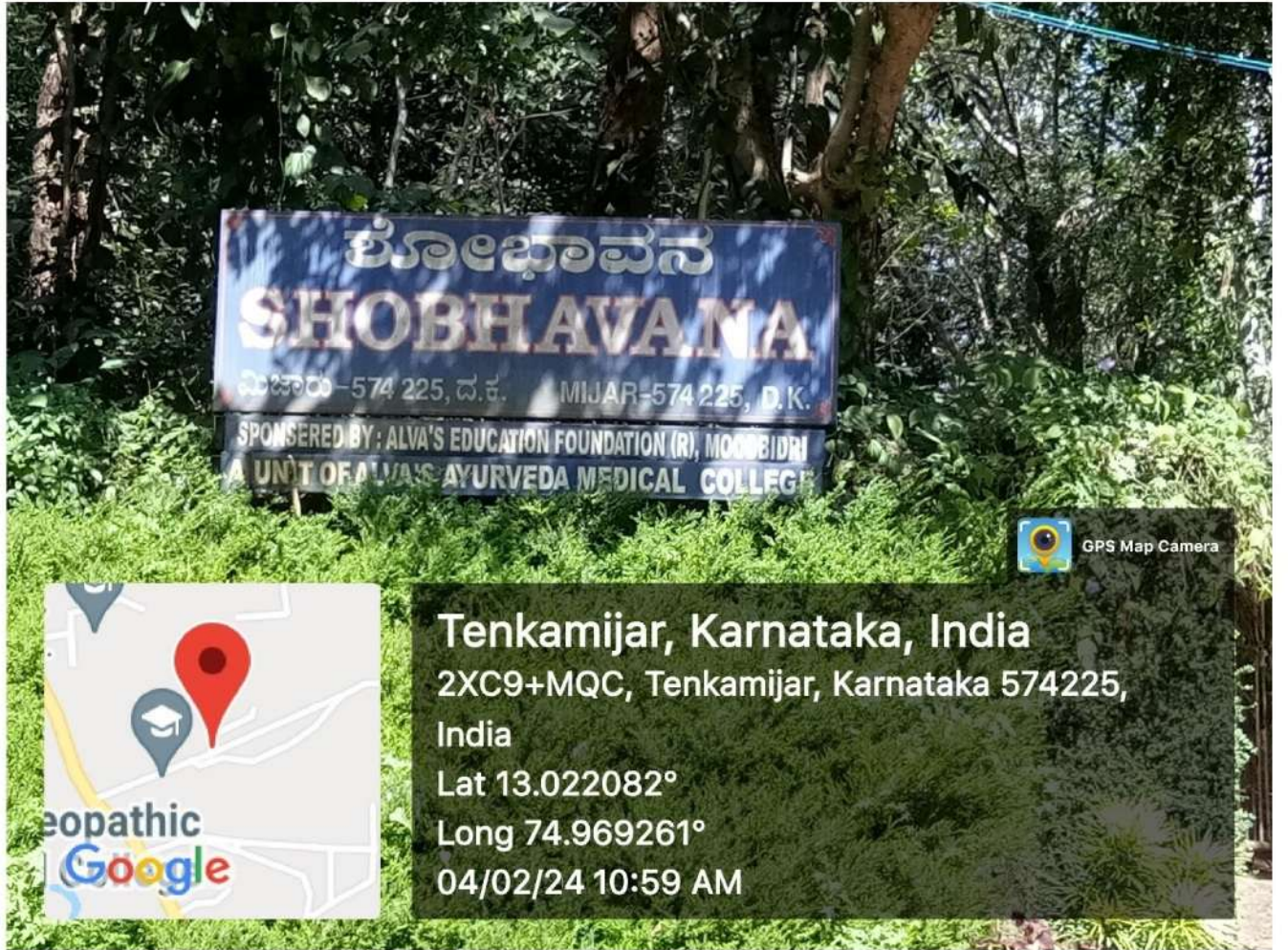
Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225

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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


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Shri. Satyanarayana Pooja Vana.

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.

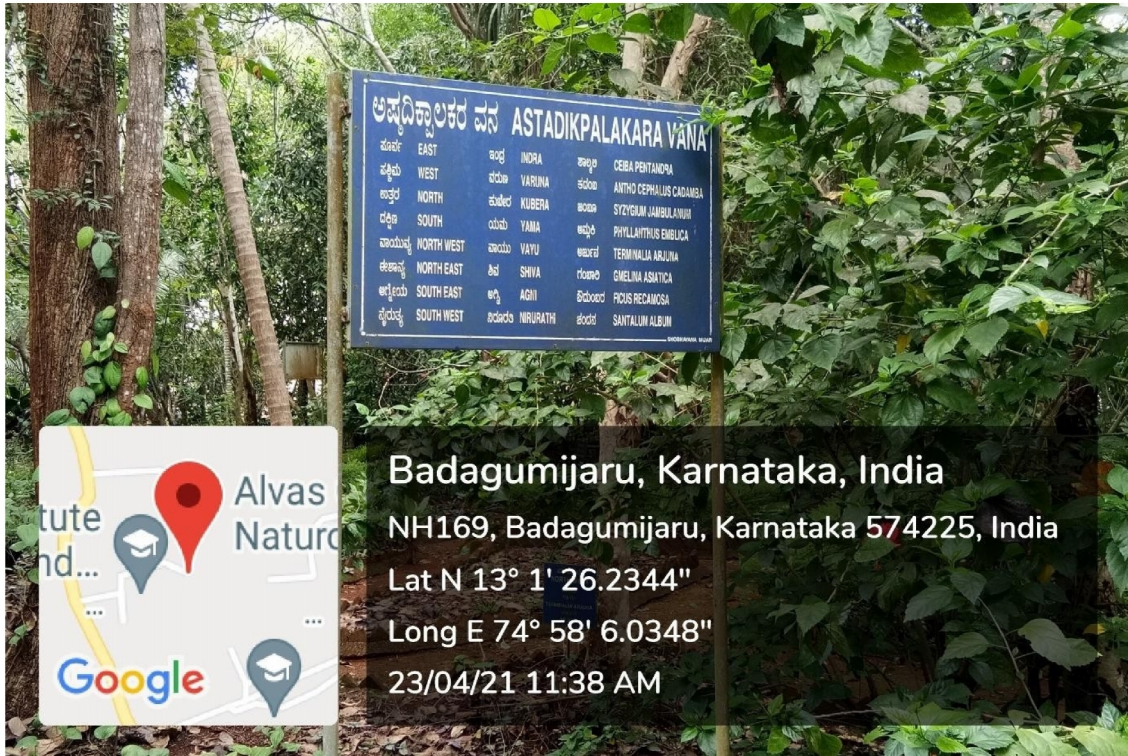

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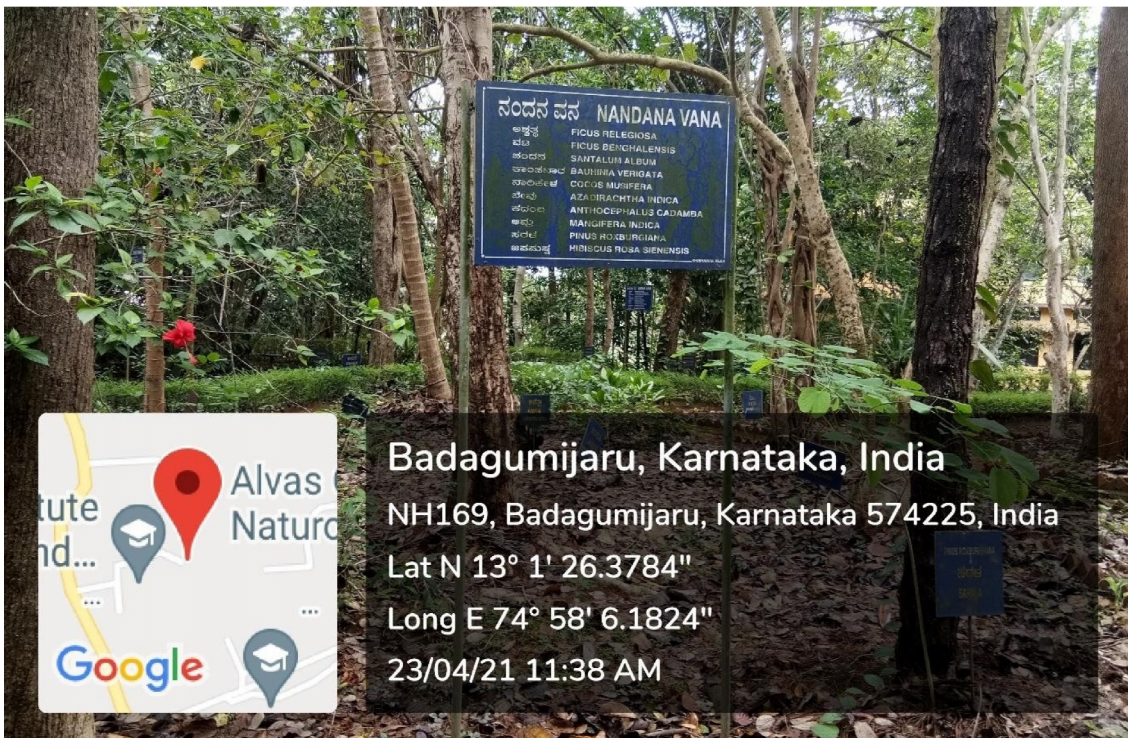
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Ashtadikpalakara vana.



Nandana Vana.


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Shobhavana Campus plant details:

Botanical Name	Sanskrit	Local	Family	No. of plants planted
Anoora rohituka	Rohithaka	ರೋಹಿತಕ		10
Cana indica		ಕಾಬಾಳೆ	Canaceae	5
Musa paradisica	Kadali	ಬಾಳೆ	Musaceae	50
Callistemma indica			Myrtaceae	4
Becopa monerii	Jala bramhi	ಸೋಲೆ-ಬ್ರಾಮಿ	Scorpularaceal	---
Leucas nerifolia	Drona pusphi	ತುಂಬೆ	Laminaceae	---
Pithacalobium delisue		ಬಿಲಿಮಣಸಿ	Mimosaceae	5
Eleptia prostata	Bringaraja	ಗಂಗ	Asteraceae	---
Anacyclus pyrithrum	Akarakarba	ಆಕ್ಕರಕಂಬು	---	---
Aerva lanata	Pashanabedhi	ಪಿಷ್ಪಾಳಕ	Amaranthaceae	50
Dolicandron atroverensis				Nil
Macaranga speciosa		ಮರಳಿಗೆ	Euphorbiaceae	50
Gmelina asiatica	Biddari	ಬಿದರಿ	Verbinaceae	1200
Grewia asiatica	Dharmana	ಕುಮತ	Tiliaceae	50
Grewia tilifolia	---	ತಡಸಲು	---	10
Guazuma tomentosa		ಭದ್ರಾಕ್ಷಿ	Sterculiaceae	50
Gymnema Silvestre	Meshasringi	ಮಧುನಾಬಿನಿ	Asclepiada	150
Gymnosporia montana	Vikankar	ತಂದರಸಿ	Celastraceae	1
Helianthus annuus	Arkakantha	ಸೂರ್ಯಕಾಂತಿ	Asteraceae	Nil
Helicteres isora	Mrigashringa	ಬಿಲಿಮಣಿ	Sterculiaceae	4
Hemidesmus indicus	Sugandhi	ಸಾಮದ ಬೇರು	Asclepiadaceae	Mass
Holarrhena pentidyosentrica	Kutaja	ಕೊಡವೆಗ	Apocyanaceae	40
Holoptelea intigrifolia	Chirabilwa	ತಳ್ಳಿ	Urticaceae	150
Holostemma ada-kodin	Jeevanthi	ಜೀವಂತಿ	Asclepiadaceae	10
Hydrocotyle asiatica	Brahmi	ಬ್ರಾಹ್ಮಿ	Apiaceae	Mass
Ichnocarpus frutescens	Sariva	ಸರಿಕಾಯ	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	ಅಡವಿಮಲ್ಲಿಗೆ	---	10
Jasmenum grandiflorum	Jati	ಜಾಟಿಮಲ್ಲಿಗೆ	---	20
Jasmenum pubescens	Kunda	ಕಸ್ತೂರಿಮಲ್ಲಿಗೆ	---	10
Jasmenum Sambac	Vaara shiki	ಮಲ್ಲಿಗೆ	---	10
Jasmenum officinale	Mallika		---	20
Jatropha curcas	Parvatha Erenda	ಕಾಡುಹರಳು	Euphorbiaceae	5
Kaempferia galanga	Sugandha vacha	ಕಚೋರ	Scictaminaceae	10
Lawsonia inermis	Mendhi	ಮುಂದರಿಗೆ	Lythracene	500
Leucas cephalotes (aspna) (linifolia)	Drona pushpi	ತುಂಬೆ	Labiatae	Mass



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Barringtonia acutangula Gaertn.	Dhatriphal	ಸಮುದ್ರ ಫಲ	Barintoniaceae	50
Basella alba L.	Apoedika	ಬಸಳಿ	Chenopodiaceae	Mass
Bassia longifolia L.	Maduca	ಹಿಪ್ಪೆ	Sapotaceae	100
Bauhenia verigata L.	Kanchanara	ಮಂದಾರ (ಕೆ)	Caesalpinaceae	600
Bauhenia purpurea L.	Kanchan	ಮಂದಾರ (ಬಿ)	Caesalpinaceae	500
Bixa orellana L.	Annatta	ಕಪ್ಪು ಮಂಕಳ	Blxinaceae	700
Boerhoavia diffusa L.	Punarnava	ಸಣ್ಣ ದಿಕ	Nyctaginaceae	Mass
Bombax malabaricum De	Shalmali	ಬೂರಗ	Bombacaceae	4
Buchanania lanzan Sprong Plyala	Piyala		Anacardaceae	Nil
Butea frondosa Roxb & Koen	Palasa	ಮುತ್ತುಗ	Papilionaceae	600
Caesalpinia bonduc Roxb.	Latakaranja	ಗಜ್ಜುಗ	Caesalpinaceae	5
Calotropis gigantea R.Br	Arka	ಎಕ್ಕೆ	Asclepiadaceae	—
Camellia theifera Griff	Tea	ಟೀ	Ternstroemiaceae	2
Cinnamomum camphora Nees	Karpoor	ಕರ್ಪೂರ	Lauraceae	Nil
Canna indica L.	Kamakshiee	ಕಾಬಾಳಿ	Sataminaceae	5
Cannabis Sativa L.	Siddapathri	ಬಾಂಗ್	Solanaceae	Nil
Capsicum annum L.	Katuvira	ಮೆಣಸಿನಕಾಯಿ	Solanaceae	10
Cardiospermum helicacabum L.	Jyothishmati	ಕನಕಾಯಿ	Sapindaceae	150
Careya arborea Roxb.	Kumbi	ದಡ್ಡಲ	Lycithidaceae	10
Caryota urens L.	Tala	ರಾಮಲದಿಕೆ	Palmaceae	50
Cassia alata L.	Dadrughna	ಅಗಸೆ	Caesalpinaceae	Mass
Cassia auriculata L.	Avarthane	ಆವರಿಕೆ	—	—
Fistula L.	Suvarnaka	ಕಕ್ಕೆ	—	600
Cassia Saphera L.	Kasamarad	ಕಸಮರದ	—	Mass
Cassia tora L.	Chakramarda	ಚಗಚಿ	—	Mass
Celastrus paniculata willd	Jyothishmathi	ಜ್ಯೋತಿಷ್ಠಿ		
	Katumbhi	ಕರಿಗಣ್ಣೆ	Celastraceae	5
Chenopodium album	Vastuk	ಹ್ರಂಚಿಕ	Chenopodiaceae	—
Chome vericosa	Karnaspota	ನಾಯಿಸಾವೆ	Capparidaceae	Mass
Clerodendron inerme	Kundali	ವಿಷಮಂದಾರ	Verbinaceae	Mass
Clerodendron phlomoides	Agnimantha	ಐರಾಣಿ	—	2
Clerodendron serratum	Bhargi	ಬಾರಂಗಿ	—	25
Clitoria ternatea	Aparagita	ಶಂಕಪುಷ್ಪ	Papilionaceae	150
Moringa sleifera	Sobanjana	ಸುಗ್ಗೆ	Moringaceae	150
Morus alloa	Toola	ಹಿಪ್ಪು ನೇರಳೆ	Urticaceae	5
Mucuna pruriens	Kapi kachchhu	ಕಪಿಗುಣ್ಣು	Papilionaceae	50
Mussandra frondosa	Shrivatte	ಬೆಳ್ಳಿಬಳ್ಳಿ	Rubiaceae	20
Myristica fragrans	Jati phalam	ಚಾಯಿಪತ್ರ	Myristicaceae	150
Nerium odorum	Karavira	ಕರಗಿಲು	Apocyanaceae	120
Nicotiana tobacum	Tamrakuta	ತಂಬಾಕು	Solanaceae	Nil



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Ochrocarpos longifolia	Punnaga	ಗಾಡುಗಂದಿ	Guttiferaceae	Nil
Ocimum album	Shukla Tulasi	ಸಾಯಿತುಳಸಿ	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	ಪೊನು	Anacardaceae	10
Oroxylum indicum	Sukanasa	ಅನೇ	Bignoniaceae	700
Oxalis corniculata	Amlalonika	ಮಡ್ವೆಗೆ ಗಿಡ	Geraneaceae	Mass
Pandunus odoratissimus	Ketaki	ಕೇದಗೆ	Pandunaceae	10
Passiflora foetida	Mukkoopera	ಪ್ಯಾಂಪಸ್ ಹಣ್ಣು	Passifloraceae	3
Phoenix Silvestris	Kharjura	ಈಚಲು	Palmaceae	2
Phyllanthus niruri (urineria)	Bhumyamalaki	ನಲನಲ್ಲಿ	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 rula alba	Khsira champa	ಚಿಟ್ಟುಕಣಗಲು	Apocyanaceae	10
Psidium guyava	Amrutha phala	ಸೀಬೆ	Myrtaceae	150
Pterocarpus marsupium	Pitasala	ಹೊನ್ನೆಮರ	Papilionaceae	350
Pterocarpus santalinus	Rakta chandan	ರಕ್ತಚಂದನ	---	250
Punica granatum	Dadima	ದಾಳಿಂಬೆ	Punicaceae	20
Putranjiva roxberghii	Putranjiva	ಸ್ರಾತ್ರಂಜೀವ	Euphorbiaceae	300
Quesqualis indica			Combrataceae	4
Randia dumetorum	Madana	ಮಂಗಾರಿ	Rubiaceae	10
Rauwolfia Serpentina	Sarpa-gandha	ಸರ್ಪಗಂಧ	Apocyanaceae	150
Rauwolfia tetraphylla	Pathala garuda	ಪಾತಾಳಗರುಡ	---	200
Ricinus Communis	Eranda	ಹರಳು	Euphorbiaceae	Mass
Cocculus hirsutus	Somavalli		Minispermaceae	Wild
Cochlospermum gossypium	Betla Shalmali	ಹಳದಿಬೂರಗ	Bixinaceae	100
Coffea arabica	Mlechea phala	ಕಾಫಿ	Rubiaceae	5
Costus speciosus	Pushkara	ನರಿಕಟ್ಟು	Scitaminaceae	10
Crocus Sativus	Bhavarkta	ಕುಂಕುಮಕೇಸರ	Iridaceae	Nil
Crotalaria juncea	Jenapavera	ಸೆಣಬು	Papilionaceae	10
Curculigo orchoides	Hemapuspi	ನಲದಾಳಿನಿಡ್ಡಿ	Amaryllidaceae	wild
Curcuma longa	Haridra	ಹಳದಿ	Scitaminaceae	Mass
Cynodon dactylon	Doorva	ಗರಿಕೆ	Graminaceae	Mass
Cyperus rotundus	Bhadramusta	ತುಂಗಗೆಡ್ಡೆ	---	Mass
Daemia extensa	Phala kanta	ತಳವಾರನ ಬಿಲ್ಲು	Asclepiadaceae	4
Dillenia indica	Bhavya	ಚಿಟ್ಟುಕಣಗಲು	Dillaniaceae	10



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<i>Dillenia pentagyna</i>	--"	ಕರಮಲ	--"	Nil
<i>Diospyros melanoxylon</i>	Tumvuru	ತುಮರೆ	Ebonaceae	4
<i>Dodonaea viscosa</i>	Aliar	ಬಂದರಿಕೆ	Sapindaceae	2
<i>Echenops echinatus</i>	Bramadhandi	ಬ್ರಹ್ಮದಂಡೆ	Compositae	1
<i>Eclipta alba</i>	Brungaraja	ಗರಗ	Asteraceae	Mass
<i>Elaeocarpus tuberculatus</i>	Rudraksha	ರುದ್ರಾಕ್ಷಿ	Tiliaceae	1
<i>Elettaria cardamomum</i>	Eala	ಎಲಕ್ಕಿ	Scitamiaceae	1
<i>Embellia ribes</i>	Vidanga	ವಾಯುವಿಳಿಗ	Myrsinaceae	150
<i>Embalica officinalis</i>	Amlaki	ಬೆಟ್ಟನೆಲ್ಲಿ	Euphorbiaceae	1200
<i>Entada scandens</i>	Gilla	ಗಿಲ್ಲೆ	Papilionaceae	2
<i>Erythrina indica</i>	Paribhadra	ಪಾಲಿಪಾಣಿ	--"	250
<i>Euphorbia antiquorum</i>	Vajra Kantaka	ಕಾಟಕಳ್ಳಿ	Euphorbiaceae	10
<i>Euphorbia thymifolia</i>	Rakavindachanda	--"	--"	20
<i>Euphorbia tirucalli</i>	Trikantaka	ಕಡ್ಡೆಕಳ್ಳಿ	--"	10
<i>Evolvulus alsinoides</i>	Vishnu kranta	ವಿಷ್ಣುಕ್ರಾಂತಿ	Convolvulaceae	Mass
<i>Feronia elephantum</i>	Kapitha	ಬೇಲಿ	Rutaceae	600
<i>Ficus bengalensis</i>	Vata	ಆಲ	Urticaceae	150
<i>Ficus carica</i>	Anjira	ಅಂಜೂರ	--"	12
<i>Ficus reecmosa</i>	Udumbara	ಅತ್ತಿ	--"	200
<i>Ficus religiosa</i>	Aswatha	ಆರಳಿ	--"	300
<i>Garcinia morella</i>	Tamal	ಲಮೂಲ	Guttiferaceae	4
<i>Gardenia gummifera</i>	Gandharaj	ಕೂಂದಮನಗ	Rubiaceae	4
<i>Gloriosa Superba</i>	Agni Sikha	ನಸಗುಳಿಕೆ	Liliaceae	25
<i>Gmelina arborea</i>	Sriparni	ಕಾಶ್ಮೀರಿಮರ	verbinaceae	1200
<i>Thalictrum foliolosum</i>	Trayamana	ಚನ್ನದದಾರ	Ranunculaceae	4
<i>Tylophora asthamatica</i>	Anthrapachaka	ಆಡುಮುಟ್ಟಿದಬಳ್ಳಿ	Asclepiadaceae	50
<i>Vateria indica</i>	Ajakarna	ಧೂಪ	Diphrocarpeneae	290
<i>Vetivera zizanioides</i>	Usheera	ಲಾವಂಜ	Graminaceae	--
<i>Vitex negundo</i>	Nirgundi	ಲಕ್ಕಿ	Verbinaceae	1000
<i>Vitex rotundifolia</i>	--"	ನವಿಲಾಡಿ	--"	25
<i>Vitex trifoliata</i>	Sinduka ಮೂಲೆಲಕ್ಕಿ	ನಿಪಲಕ್ಕಿ	--"	10
<i>Vitex pendularis</i>	--"	ಲಕ್ಕಿ	--"	4
<i>Vitis quadrangularis</i>	Vajravalli	ಮುಂಗರವಳ್ಳಿ	Vitaceae	50
<i>Withania somnifera</i>	Aswagandha	ಅಶ್ವಗಂಧ	Solanaceae	30
<i>Woodfordia floribunda</i>	Dhataki	ಪಂಪುಪುಷ್ಪ	Lythraeaceae	150
<i>Wrightia tinctoria ಕ್ಷೀತಕೂಟ</i>	Asita-kutanja	ಮರಪಾಲೆ	Apocyanaceae	500
<i>Zingiber officinale</i>	Shrangavera	ಶುಂಠಿ	Sutamineae	--
<i>Zizyphus jujuba</i>	Badari	ಇಲಾಚ	Rhamnaceae	200
<i>Zizyphus oenoplea</i>	Srigalakoli	ಪರಗಿ	--"	600
<i>Eucalyptus lanciolata</i>	Nil	ನೀಲಗಿರಿ	Myrtaceae	10
<i>Eucalyptus globulosa</i>	Nilaniyyasa	--"	--"	10



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Dalbergia paniculata	Shimshipa	ಕಾದುಬೀಟೆ	Papilionaceae	1250
Dalbergia ovulifolia	--"	ಬೀಟೆ	--"	200
Dalbergia sissoo	Simsapa	ಬೀಟೆ	--"	1000
Soropus androgenensis	Chakramuni	ಚಕ್ರಮುನಿ	Euphorbiaceae	100
Argerea nervosa	Vrudadaru	ಉಗಣಬಳ್ಳಿ	Convolvulaceae	50
Polyalthia longifolia	Ashoka	ಅಶೋಕ	Anonaceae	10
Cinnamomum macrocarpum		ಕೇಡುಲವಂಗಪಲ್ಲಿ	Lauraceae	600
Cinnamomum tamala	Tamalapatram	--"	--"	100
Garcinea indica	Punarpuli	ಪುನಾರಪುಲಿ	Guttiferaceae	1000
Ciba pentandra	Katasalmat	ಬಿಳಿಬೂರುಗ	Bombacaceae	150
Artocarpus hirsutus	Panasa	ಹೆಬ್ಬಲಸು	Moraceae	120
Artocarpus lacucha	Lacucha ವಾಸೇಯ್	ಮಂಗಪಲಸು	--"	150
Calotropis procera	ಆರ್ಕಿ Arka	ಎಕ್ಕ	Asclepeadaceae	250
Alternanthera sisilies		ಹೊಸಗನೆ	Amaranthaceae	---
Psudarthria visida	Salaparni	ಮುರಲಿಹೊನ್ನೆ	pallionaceae	---
Desmodium trifoliata	Tripade	ಮುಂತಮಂಡು	--"	---
techytorpita indica	Apamarga	ಉತ್ತರಾಣಿ (ಕಾ)	Verbinaceae	---
Citrus lemon	Jambirah	ನಿಂಬೆ	Rutaceae	150
Hibiscus rosa-sienensis	Japa kusuma	ದಾಸವಾಳ	Malvaceae	---
Colious aromaticus	Pasanabedhi	ದೊಡ್ಡಾ ಪತ್ರ	Laminaceae	600
Clitorea ternetca	Girikarnika	ಶಂಕಪುಷ್ಪ	Papilionaceae	150
Abrus precatorious (w)	Gunja	ಬಿಳಿಗುಲಿಗಂಜೆ	--"	50
Legerstromia lanciolata	Nandi	ನಂದಿ	--"	10
Cordia dichotoma	Slesma takah	ಚಳ್ಳಿ	Boraginaceae	50
Catherentus rosea	Nitya kalyani	ಸದಾಪುಷ್ಪಿ	Apocyanaceae	50
Datura metal	Dhatturah	ದತ್ತೂರ	Solanaceae	50
Broyophyllum pinnatum	Parnabeeja	ಎತ್ತಿಹೂಳು ಖಡುಬಳ್ಳಿ	crasuiaceae	150
Cayratia carnosa	Gandish	ಹೆಗ್ಗೊಳ್ಳಿ	Vitaceae	2
Podrurus deodara	Devadaru	ದೇವದಾರು	Pinaceae	Nil
Cichorium intybus	Kasani	ಕಬಿನಿ	Astoraceae	Mass
Cinchona officenalis	Sinkona	ಸಿಂಕೋನ	Rubiaceae	Nil
Citrus reticulata	Narangals	ಹರಳಿ	Rutaceae	10
Clerodendrum viscosum	Bhandirah	ಇಬ್ಬನೆ	Verbinaceae	10
Cuscuta reflexa	Akasavalli	ಆಕಾಶಬಳ್ಳಿ	Convululaceae	Nil
Cyclea peltata	Patha ಪಾಡ	ವಿಷಪಡ್ಡಿ	Minispermaceae	50
Desmostachya bipinnata	Parhab	ದರ್ಬೆ	Poaceae	Mass
Emilia sonchifolia	Sasasrutih		Asteraceae	Mass
Cojananus indicus	Adhaki	ತೊಗರಿ	Papilionaceae	2
Couropita gynensis	Nagalingahm	ನಾಗಲಿಂಗಪುಷ್ಪ	Sapotaceae	10
Abelinoschus esculantus	Benda	ಬೆಂಡೆ	Malvaceae	150



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Botanical Name	Sanskrit	Local	Family	No. of plants planted
<i>Poderea foretida</i>	Ghandaprasarni	ಗಂಧಪ್ರಸರ್ನಿ	Rubiaceae	100
<i>Anacycles pyritrum</i>	Akarakaraba	ಅಕ್ಕರಕರಬ	Asteraceae	—
<i>Hydnocarpus laurifolia</i>	Tuvarak	ಹೆಣ್ಣು ಸಂಪಿಗೆ	Hydnocarpaceae	10
<i>Spathodea campanulata</i>		ನೀರುಕಾಯಿ	Bignoniaceae	5
<i>Adathoda boddemi</i>	Vasaka	ಕಿರುತಮಸೋಗಿ	Acanthaceae	4
<i>Datura inoxia</i>	Dhustura	ಉಮ್ಮತ್ತಿ	Solanaceae	10
<i>Opuntia dillanii</i>	Vidar	ಪಾಪಸೌಕಿಲಿ	Opuntiaceae	4
<i>Persia americana</i>	Butterfruit	ಬೆಣ್ಣೆ ಹಣ್ಣು	Clusiaceae	2
<i>Averrhoa Corambola</i>	Karmarang	ವೇರೆಪ್ಪಳಿ	Averrhoaceae	10
<i>Nervelia Zaylanica</i>	Dhanavalli	ನಿಂದಮಲ್ಲಿ	Ranunculaceae	—
<i>Pterospermum canesense</i>	Mucukandah	ಮುಕುಕುಂದ	Sterculaceae	10
<i>Cosnium fenestratum</i>	Dharvi	ತೊಟ್ಟಿಗಿರಂದಿ	Minispermaceae	1
<i>Euphorbia centiquarum</i>	Vajrakantakah	ವಜ್ರಕಂಠಕಾ	Euphorbiaceae	—
<i>Euphorbia ligularia</i>	Snuhi	ಕಟ್ಟುಕಲ್ಲು	—	4
<i>Premna Corymbosa</i>	Agnimanth	ಪಿತ್ತಿಕ್ಕು, ಅಗ್ನಿಮಂಥ	Verbinaceae	50
<i>Sentella asiatica</i>	Bramhi	ತಕ್ಕಳಿ	Apiaceae	—
<i>Cassia Safera</i>	Kasmarda	ಬ್ರಾಹ್ಮಿ	Caesalpinaceae	25
<i>Leptodenea reticulata</i>	Jeevanthi	ಸಣ್ಣ ಬಿಗಟೆ	Asclepiadaceae	20
<i>Solanum seforthianum</i>	Bhrinathi	ಸುಂಡೆ	Solanaceae	250
<i>Solanum tourum</i>	—	ಗುಳ್ಳೆ	—	200
<i>Carica papaya</i>	Eranda karkate	ಪಪಾಯಿ	Caricaceae	20
<i>Bamboosa bamboo</i>	Vamsha	ಬಿದಿರು	Poaceae	500
<i>Dendrocalamus strictus</i>	—	ಬೆತ್ತ	—	50
<i>Caesalpena bondee</i>	Lathakaranja	ಗಜ್ಜುಗ	—	15
<i>Eupatorium Iyapana</i>	Ayaparnah		Asteraceae	50
<i>Acacia ferugera</i>	Shami	ಬಿನ್ನಿ	Mimosaceae	10
<i>Diptiroparpus indicus</i>	Dhoopa	ಧೂಪ	Diphrocarpaceae	Nil
<i>Ficus infectoria</i>	Plaksha	ಬಸರಿ	Moraceae	10
<i>Hydnocarpus laurifolia</i>	Tuvarakah	ಸುರಂಪಿ	Hydnocarpaceae	14
<i>Elettaria cordamomum</i>	Ela	ಎಲಕ್ಕಿ	Scitaminaceae	3
<i>Acacia leucophloea</i>	Irimeda	ಚಾಲಿ	Mimosaceae	20
<i>Acacia auriculeformis</i>			—	5
<i>Justicia pectinata</i>	Vataghni	ಕರಿನೆಟ್ಟಿ	Acanthaceae	—
<i>Hedyotis puberella</i>	—	—	—	—
<i>Indigofera tinctoria</i>	Neelini	ನೀಲಿ	Papilionaceae	50
<i>Amaranthes virides</i>	Tanduliyaka	ಕೀರೆ	Amaranthaceae	10
<i>Wattakaka valvubales</i>		ಕೋಣನಮೀಸೆ	Asclepiadaceae	3
<i>Acanthospermum hispidum</i>	—	—	—	Nil
<i>Allamanda Catheritica</i>	—	ಮಿಠಾಯಿಹೂ	Apolyanaceae	—



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Leucas zeylanica	esatta tumba	ಕಾದುತುಂಬೆ	--	4
Mangifera indica	Amra	ಮಾವು	Anacardaceae	150
Melia azedarach	Maharumbu	ಮಚ್ಚುಬೇವು	Meliaceae	50
Melia dulna	Arangaka	ಹೆಚ್ಚೆವು	--	50
Mesua ferren	Naga kesara	ನಾಗಸಂಪಿಗೆ	Guttiferaceae	150
Michelia champaca	Champaka	ಸಂಪಿಗೆ	Magnoliaceae	200
Mimosa pudica	Lajjalu	ನಾಚಕೆಗಿಡ	Mimosaceae	Mass
Mimusops elongi	Bakula	ರಂಜಲು	Sapotaceae	1600
Morinda citrifolia	Achuka	ಹಳದಿಪಾವಟೆ	Rubiaceae	200
Couropita gyenensis	Nagalingapuspa	ನಾಗಲಿಂಗ ಪುಷ್ಪ	Sapotaceae	10
Canthium purviflora		ಕಾಡೆ	Rubiaceae	10
Spathodea companulata	Uparanga	ನೀರುಕಾಯಿ	Bignoneaceae	4
Colocasia indica	Kachu	ಕೆಸವು	Areaceae	20
Tunbergia grandiflora		ಶಾಸ್ತ್ರಿ ನಾಲ್ಕು ತೆರಿಗೆ	Acanthaceae	10
Mussandra frandosa	Nagavalli	ನಾಗವಾಳಿ		
	Shrivatte	ಬೆಳೆಗೊಟ್ಟು	Rubiaceae	--
Mellostoma malabathricum	ಮೆಲ್ಲೆಲಿ (ಮೆಲ್ಲೆಲಿ)	ನಕ್ಕಾರಿಕ	Mellastomaceae	4
Gloriosa supherba	Agnisikha	ಗೌರಿಪುಷ್ಪ	Lilliacene	--
Cassia accidentalies	Kasamarda	ಮೊದ್ದು ಚಗಚೆ	Caesalpineaceae	4
Scheuchera oleosa	Kosumba	ಚಕ್ಕೋಡ	Sapindaceae	2
Nyctanthus arbortristis	Parijatha	ಪಾರಿಜಾತ	Oleaceae	150
Stereospermum suaueolens	Patala	ಮದಾರು ನಸಲಿ	Bignoniaceae	20
Syzigium aromaticum	Lavanga	ಲವಂಗ	Myrtaceae	50
Pueraria tuburosa D.c		ಬಂದಾರಿ	Leguminosae	200
Prosopis spicigera		ಜಾಲಿ	Mimosaceae	2
Desmodium ganjiticum	Presni parni	ಸಲಿಯಾಲಿನ	Papilionaceae	Mass
Nelamarkia cadamba	Kadamba	ಕದಂಬ	Rubiaceae	
Hypophylla angustifolia			Amaranthaceae	Nil
Sarcia reticulata				Nil
Securnega virosa		ಕರಿಹುಲಿ	Euphorbiaceae	1
Tecoma stans			Bignoniaceae	30
Acacia auriculeformis			Caesalpinaceae	4
Musa paradisica	Rambha	ಬಾಳೆ	Musaceae	
Hdigarna longifolia	Balbtaka (S)		Anacardaceae	50
Acacia auriculata		ಆವರಿಕೆ	Mimosaceae	--
Neravella zeylanica			Ranunculaceae	150
Assampleour perira	Amboosta	ಪರಬೇರು	Minispermaceae	50
Plumbago roseac	Chitraka	ಕೆಂಪುಚಿತ್ರಕ	Plumbaginaceae	500
Eleocarpus sphaericus	rudraksam	ರುದ್ರಾಕ್ಷಿ	Eleocarpaceae	
Alangium solvifolia	Shoedhanam	ಅಂಕೋಣೆ	Solvadoraceae	500
Termenalia catappa	Badam	ಬಾದಾಮಿ	Combrataceae	100
Pongamea blinnata	Karanja	ಹೊಂಗೆ	papilionaceae	600



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<i>Sigigium cuminii</i>	Jomboo	ನೇರಳೆ	Myrtaceae	600
<i>Caslophyllum oenophyllum</i>	Punnaga	ಸುರಹೊನ್ನೆ		200
<i>Sigigium jombolena</i>	Jomboo	ಪನ್ನೆರಳೆ	Myrtaceae	100
<i>Kommiphora mukul</i>	Guggul	ಗುಗ್ಗುಲು		6
<i>Abrus precatorious (R)</i>	Gunja	ಗುಲಗಂಜೆ	Faboceae	50
<i>Abitulon indicum</i>	Athibala	ಶ್ರಮುದ್ರೆ	Malvaceae	3
<i>Acacia arebica</i>	Vabboola	ಕರಿಚೊಲಿ	Fabrecal	300
<i>Acacia catechu</i>	Khadir	ಬದಿರ	---"	200
<i>Acacia cancina</i>	Saptala	ಸೀಗೆ	---"	30
<i>Achaleypa indica</i>	Harithamajari	ಕುಪ್ಪೆ	Euphobiaceae	Mass
<i>Achyranthes aspera</i>	Apamarga	ಉತ್ತರಾಣಿ	Amarantharea	Mass
<i>Achrous calamus</i>	Vacha	ಬಜೆ	Arodiaceae	Mass
<i>Adenenthera pavonia</i>	Manjooti	ಮಂಜೊಟ್ಟಿ	Fabaceae	200
<i>Aegle mormelons</i>	Bilva	ಬಿಲ್ವ	Rataceae	700
<i>Agava amesicana</i>	Kantala	ಕತ್ತಾಳೆ	Amarillidaeeme	3
<i>Plinthanthes excelsa</i>	Nimba ದ್ರೂಣ	ಚೇವು	Mchiaceae	10
<i>Adothoda vasica</i>	Vasa	ಆಡುಸೋಗೆ	Acarthaceae	Mass
<i>Albizzia lebbeck</i>	Sirisha	ಬಾಗೆ	Tabaceae	70
<i>Albizzia amara</i>	Krishna Srisha	ಶ್ರೀಬಾಗೆ	---"	5
<i>Allium cepa</i>	Palanda	ರಪ್ಪಳ್ಳಿ	Lilliaceae	---
<i>Allium Satirnum</i>	Casuna	ಬೆಳ್ಳುಳ್ಳಿ	---"	---
<i>Aloe vera</i>	Kumari	ಲೋಳಿಸು	---"	Mass
<i>Alpinia galanga</i>	Dhamparashni	ರಸ್ಸಾ	Scitaninaeal	Mass
<i>Alstonia Sehotaries</i>	Saptaparni	ಹಾಲೆ	Apoeyanaeus	10
<i>Anacardium occidentalae</i>	Ballataka	ಗೇರು	Anacardaceae	15
<i>Anamirta cocunlous</i>	Kakaphala	ಕಾಯಿಮರಿ	Minispisumer	50
<i>Annamus satims</i>	---	ಅನಾನರ್	Bromillaeceae	---
<i>Andrographis paniculata</i>	Kalamegha	ಭೂನಿಂಬ	Acanthaceae	Mass
<i>Cimbopogon citratus</i>	Bhurtana	ಮಜ್ಜೆಗೆಹುಲ್ಲು	Poaaceo	Mass
<i>Annona squmosa</i>	Sithaphal	ಸೀತಾಫಲ	Anonacene	10
<i>Annona reticulata</i>	Ramphal	ರಾಮಫಲ	---"	10
<i>Anogeissus latifolia</i>	Dindiga	ದಿಂದಿಗ	Legirtranacene	1
<i>Areca catchu</i>	Kramucha (Boga)	ಅಡಿಕೆ	Palmacal	Mass
<i>Argimone mexicana</i>	Swanna purpi	ಉಮ್ಮತ್ತಿ	Pappavaraea	2
<i>Aritabelvia bractiata</i>	Eshwari	ಈಶ್ವರಿ	Aristalochaeme	20
<i>Aritabelvia indica</i>	---"	---"	---"	50
<i>Artocarpous infigrifolia</i>	Panasa	ಪಲಸು	Moraceae	200
<i>Asclipia cursalica</i>	Raktharka	ಕೆಂದ್ರವಿಕ್ಕಾ	Aschilpiardaeac	Mass
<i>Stevia romboidia</i>	---	ಸ್ವೀವಿಯ	Asteraceae	Mass
<i>Milingtonia arboria</i>	Akash mallika	ಆಕಾಶಮಲ್ಲಿಗೆ	Atulliaeculu	20



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Shobhavana Campus plant names details:

1	ನೆಲ್ಲ	amalaki	Emblca officinalis
2	ಪಾದರಿ	Patala	PtereospermumSuvoveolense
3	ಸರ್ಪದಂಡಿ	Moorva	Sensiviera Roxburgii
4	ಹೊಳೆದಾಸವಾಳ	Tinisha	Legerstomia Flos Reginac
5	ಅಶೋಕ	Ashoka	Saraca Asoca
6	ಅಸನ	Asana	Pterospermum Marsupium
7	ಕೋಡಸಿಗ	Kutaja	Hollerrhena Antidysentrica
8	ಸಂದುಬಳ್ಳ	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	ಲೋಳಿಸರ	Kumari	Allo-vera
15	ಪುತ್ರಂಜೀವ	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	ಕೇಂದ್ 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	ಏಕನಾಯಕ	Saptachakra	salecia Reticulata
28	ರುದ್ರಾಕ್ಷಿ	Rudraksha	Eleocarpus Genttrus
29	ರೆಂಜೆ	Bakula	Mimusops Ellengii
30	ಬಸರಿ	Plaksha	Ficus Infectorea
31	ಶಿವನಿ	gambari	Gmellina Arborea
32	ಮಧುನಾಶಿನಿ	Meshashringi	Gymnema Sylvestries
33	ತಾರೆಕಾಯ	vibitaki	Terminalia Bellerica
34	ಗಂಗಮ್ಮನ ಬಳ	Jyothishishmati	Celestrus pernicutales
35	ಗೋರಂಟೆ	Sahachara	Barleria Prionites /cristatus



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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	ಗುಡ್ಡೆಹರಳು	Jathropa	Jatropha curcus
42	ದುವಾಸನೆಮರ	Dinari	Mapia Foetida
43	ಜಂಬುನೇರಳ	Jamboo	Syzygium Jamboo
44	ಹುಣಸೆ ಮರ	Chincha	Tamarindus Indica
45	ಬಳಹಿಂಡಿ ಸೊಪ್ಪು	Pashanabedha	Aerva Lanata
46	ಸಮುದ್ರ ಫಲ	Hijjala	Barringtonia 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	ನಾಗಲಿಂಗ ಪುಷ್ಪ	Nagalinga Pushpa	couropita guimenss
59	ಕೇದಗೆ	Kethaki	Pondanus odaratissamus
60	ಕರಂಡೆಹುಳ	karamarda	Carica carmdus
	ಪುನರ್ ಪುಳ	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	ಶ್ವೇತಕುಟಜ	Shwetha Kutaja	wrigtia Tinctorea
69	ಕಂಕುಮ	Sindoori	Bixa orellena
70	ಹಿಪ್ಪೆ	Maduca	Madhuca indica
71	ಶ್ರೀಗಂಧ	Chandana	Sentalum album



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72	ವಿಷದಾಳಂಬೆ	Noni	Morinda citrifolia
73	ಲಕ್ಷಣ ಫಲ	Laxman phal	Annona muricata
74	ಬಿಲ್ವಪತ್ರೆ	Bilwa	Aegle Marmalos
75	ಆಡುಸೋಗೇ	vasaka	Adathoda vasaka
76	ಪದ್ಮುಗ	Padmuga	ceasalpinia sappan
77	ಕ್ಷುದ್ರ ಅಗ್ನಿಮಂಥ	kshudra Agnimanth	clerodendron Phlomoides
78	ಪಾಲೆಮರ	Saptaparni	Alstonia scholaris
79	ಹೆಬ್ಬಲಸು	KSHUDRA PANASA	Artocarpus Hirsutus
80	ಸಾಲವೃಕ್ಷ	Sala vruksha	Shorea Robasta
81	ಆಡುಮುಟ್ಟದ ಬಳ್ಳಿ	Adu Muttada balli	Tylophera indica
82	ಗೋರಂಟ	Sahachara	Barleria Cristata
83	ಆನೆಮುಂಗು	Shyonaka	Oraxylum indicum
84	ನೇರಳೆ	Jambo	Eugenia Malacconsis
85	ಅಗ್ನಿಮಂಥ	Agnimantha	Premna integrifolia
86	ದಂತಿ	danti	Beliospremum montana
87	ಹೊಂಗಿ	Karanja	Pongamia Pinnata
88	ಕಾಡು ಬಸಕೆ	Parnabeeja	Bryophyllum pinnata
89	ಜಾಜಿ ಹೂ	Jathi pushpa	jasminum grandiflora
90	ಪನ್ನೇರಕೆ	Jamboo	Syzygium jamboolanum
91	ಎಣ್ಣೆಹೊನ್ನೆ	Punnaga	Collophyllum innophyllum
92	ಉತ್ತರಾಣಿ	Apamarga	Achyranthus Aspera
93	ವೀಳ್ಯ	thamboola	Pipper beetle
94	ಕರಿಮರ	Agaru	Aquilloria Agalocha
95	ಬನ್ನಿ	Shami	cassia Ferugenia
96	ಖದಿರ	Khadira	Acacia catechu
97	ಗೋಳ	vata	Ficus bengalensis
98	ಮಂದಾರ	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	ಸಿಹಿಹಂಬಡೆ	Ambasta	Tamarindus Indica
104	ಕಾಡು ಬಾದಾಮಿ	Badam wild	Terminalia catappa
105	ಭದ್ರಾಕ್ಷಿ	Badraksha	Gauzuma Tomentosa
106	ಅಂಬೆ	Nimba	citrus medica
	ವಾಟೆಹುಳ	Lackoocha	Artocarpus lackoocha
107	ಹೋಳೆಮತ್ತಿ	Arjuna	terminalia Arjuna



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108	ಕಕ್ಕೆ	Aragwada	cassia alata/cossia tore
109	ಮುಚುಕುಂದ	Kanaka champa	Pterspermum canasens
110	ಗುಲ್ಮಾವು	gulmavu	Persia Macrantha
111	ಬಾರುಗ	Shalmali	Cieba malaberica
112	ಕೋಶಾಮ್ಬು	Koshambra	schlechera oleosa
113	ಕೊಜಂಬೆ	tambra parni	combratum extensum
114	ಕೇಶವರ್ಧಿನಿ	Keshavardini	Spentatherum Punctuvetum
115	ಹಲಗೆ ಹಣ್ಣು		Alegnes Conferta
116	ಪಾರಿಜಾತ	Parijatha	Nyctanthus Orbor.strities
117	ಹುಣಸೆ	chinch	Tamarindus Indica
118	ಹೊವರಸಿ	Hovarasi <i>PARISHA</i>	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 ಬಾರು	Ithal balli	ventilago madaraspatana
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	ಹೆರಿವೇರಾ	<i>UDEECHYA</i>	Colius forschli
137	ದೊಪ	Shallaki	boswella sarata
138	ಬೆಲ್ಲೋಟ್ಟೆ	masanda	masanda frondosa
139	ಜಾಯಿಕಾಯಿ	Jatiphala	Myristica Fraganse
140	ಗಣಬೆ ಕಾಯಿ	Palle kai	Entada Scandense
141	ಎಡಮುರಿ	Bhuta Karulu	Helictrus Issora



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142	ಮರಗೆಣಸು	Tapioca	manihot utilisissima
143	ನುಗ್ಗೆ	Shobhanjana	Moringa Olifera
144	ಕರಿಬೀವು	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	ನಂಜೀಬೇರು		
158	ಚೇರೆಮರ		HOLIGARNA FERUGINIA
159	ಸೂತ್ರದ ಮರ	ಮಲೆ ಲಸೂರು	Diospyros buxiflora - Ebanum
160	ಸಿರಿ ಹೊಣ್ಣೆ		CALLAPHYLLUM APETALUM
161	ವಿಷಪಟ್ಟಿ		BERMANNI



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.



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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



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Plants for Planting:

1. Mango	17. Areca catechu	33. Petrea volubilis
2. Jamoon	18. Champaca	34. Bougainvilla
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>	Migratory	Wetland

3	Barn Swallow	<i>Hirundo rustica</i>	Migratory	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>	Migratory	Insectivorous
9	Brahminy Kite	<i>Haliastur indus</i>	Resident	Raptorial
10	Bronze Winged Jacana	<i>Metopidius indicus</i>	Resident	Wetland
11	Cattle Egret	<i>Bubulcus ibis</i>	Resident	Insectivorous
12	Chestnut Headed Bee Eater	<i>Merops leschenaulti</i>	Resident	Insectivorous



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13	Common Coot	<i>Fulica 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>Perdica 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>Perdica erythrorhyncha</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.



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Some of the possible butterflies in Moodbidri are:

SL No	Common name	Scientific name	Family	Status
1	Common Pierrot	<i>Castalius rosimon</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>Cirrochroa 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	Grey 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 teredon</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 Sawtooth	<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 sylvestor</i>	Yellows and Whites	Common
40	Common Grass yellow	<i>Eurema hecabe</i>	Yellows and Whites	Common



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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



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- 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 ಕುರುಳಿ ಪಾಪನಾಸ	1 100
Polyalthea longifolia ಅಕ್ಷರೇಶ್ವರಿಯೇ ಆಸಲೆ	2 20 - 21
Citrus limon ಒಣಕೆ/ಸಂಕೆ	3 100 - 10
Murraya koenigii ಕರಿಚೆ/ವೆ	4 100 - 100
Ruta graveolens ಪುನಿಪು, ಪೂವಾಳ	5 100
Cassia fistula ಅರಣ್ಯ	6 10 - 10
Cassia tora ಕಿವಿ/ತೆಲೆ	7 100 - 100
Cassia occidentalis ಕಾಡುಕಾಡು	50 - 10
Pithecellobium dulce ತಕ್ಕಲಿ/ನಿರೋಧಿ	5
Capparis zeylanica - Mullukattari	20 - 20
Palm spp. (exotic) - ಪಾಲ್ಮ್ ಸೀಡ್	10 - ✓
Passiflora foetida - ಸಿಹಿ/ಅಮರ	50 10
Ficourtia indica - ಅಮರ/ಅಮರ	10 ✓
Grewia spp. - ಅಮರ	20 ✓
Barleria spp. - ಪೂವಾಳ	100 14
Abutilon indicum - ಶಿವುಳಿ/ಅಮರ	200
Asclepias - Milkweed flower	500
curassavica - ಕಿವಿ/ಅಮರ	
Calotropis gigantea - ಅಮರ	70 ✓
Hemidesmus indicus - ಪುನಿ	100



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Zizyphus rugosa	ಮೈತ್ರಿಮರ	20
Abrus Precatorius	ಕಾಂಚನ	200
Achyranthus aspera	ಬತ್ತಿ	100
Andrographis	ಕೆಂಪು/ಕೆಂಪು	200
paniculata		
Annona squamoia	ಕೆಂಪು, ಕೆಂಪು, ಕೆಂಪು	50
Annona reticulata	ಕೆಂಪು/ಕೆಂಪು	50
Bambusa spp.	ಬಾಂಬು	50
Bauhinia racemosa	ಕೆಂಪು	30
Cipadessa baccifera	ಕೆಂಪು	100
Clerodendrum inerme	ಕೆಂಪು (ಕೆಂಪು)	100
Clerodendrum	ಕೆಂಪು	100
serratum	ಕೆಂಪು	
Corchorus capsularis		50
Crossandra	ಕೆಂಪು	100
undulaefolia	ಕೆಂಪು	
Diospyros	ಕೆಂಪು	20
melanoxylon		
Gliricidia spp.	ಕೆಂಪು	30
Hibiscus rosa-	ಕೆಂಪು	100
sinensis		
Helicteres isora	ಕೆಂಪು	20
Ixora spp.	ಕೆಂಪು	100
Jasminum sp.	ಕೆಂಪು	100
Jatropha curcas	ಕೆಂಪು/ಕೆಂಪು	200
Kalanchoe pinnata	ಕೆಂಪು/ಕೆಂಪು	200
Lagasca mollis	ಕೆಂಪು	100
Lantana camara	ಕೆಂಪು	50
Leucas spp.	ಕೆಂಪು	100
Magnolia grandiflora	ಕೆಂಪು	10



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Mangifera indica	ಮಣಿ	30
Lagerstroemia	ದಾಳಿ ಬಾಳೆ	5
reginae		
Michelia champaca	ಸುಗಂಧ	5
Nerium oleander	ಕೆರಾವಳ	50
Plumago zeylanica	2385	100
Portulaca oleracea	ಸೂರ್ಯನಿಲ	100
Quisqualis indica	ನಿಲವುಳಿ ರಂಜಿತ್	50
Rosa indica	ಗುಲಾಬಿ	50
Streblus asper	ಹೆಣ್ಣು	10
Tagetes erecta	ದಾಳಿ ಬಾಳೆ	100
Taberemontata	ಸೂರ್ಯನಿಲ	50
heyneana		
Triumfetta		50
rhomboidea	ಸೂರ್ಯನಿಲ	
Wattakaka volubilis	ಹೆಣ್ಣು	10
Zinnia spp.	ಬೆಳ್ಳೆ	100

PRINCIPAL

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