



**MKR GOVT. DEGREE COLLEGE**  
(Accredited with B<sup>++</sup> Grade by NAAC, ISO 9001-2015)  
Affiliated to Mahatma Gandhi University  
**DEVARAKONDA, NALGONDA, TELANGANA**



## *A REPORT*

**ON**  
**Best Practice**

**BOTANICAL GARDEN WITH MEDICINAL PLANTS**

*Maintained*

*BY*

**DEPARTMENT OF BOTANY**

## Botanical garden in the campus

All the plants in the garden are given QR Codes with the details of Common name, scientific name, family, habit and uses of plants. Students and other botany people also can find information about the plants by scanning it. Students also actively participate in the plantation programme in the garden. Border plants *Acalypha*, *Duranta* are planted by the students.

Haritha Haram flagship programme of Telangana undertaken every year in the college in monsoon season i.e in the month of June and September. Every year nearly 100 to 150 plants are planted in the campus. Saplings were planted in campus where the space is available. Medicinal plants are there in the botanical garden. About 20 medicinal plant species are there in the garden in 150 yards. Every day about 1000 liters of water is used to water the plants in campus from bore wells and also recycled water from the water purifier was directly connected for watering in the botanical garden. Compost prepared from biodegradable waste in the campus used to manure the plants. No chemical fertilizers or pesticides are used.



Plants with labels in the botanical garden



Medicinal Plants with labels in the botanical garden



1. Plants with labels in the botanical garden.

2. Labels are prepared for fixing

**Medicinal plants of college:**

*Phyllanthus emblica, Aegle marmelos, Ocimum sanctum, Catharanthus roseus, Azadirachta indica, Datura innoxia, Tinospora cordifolia, Phyllanthus niruri, Aerva lanata, Clitorea turnatea, Cissus quadrangularis, Aloe vera, Acalypha wilkesiana,*

**Fruit trees in campus:**

*Syzygium cumini, Psidium guajava, Annona squamosa, Terminalia catappa, Punica granatum,*

**Ornamental Plants:**

*Saraka asoka, Catharanthus roseus, Cycas, Plumeria rubra, Croton bonplandianum, Nerium odorum, Rosa sps., Passiflora foetida, Hibiscus mutabilis, Taberna montena, Ixora coccinea, Bougainvillea spectabilis, Caryota urens, Thuja,*

**Flora of Campus:**

S.No	Name of the plant ( Telugu)	Scientific Name	Family	Habit	Number
		<i>Dracaena sanderiana</i>	Asperagaceae	Herb	1
	Almond	<i>Prunus amygdalus</i>	Rosaceae	Tree	1
	Annatto	<i>Bixa orellana</i>	Bixaceae	Shrub	
	Asoka	<i>Saraka asoka</i>	Fabaceae	Tree	84
	Asoka	<i>Polyalthia longifolia.</i>	Annonaceae	Tree	10
	Asthama plant	<i>Euphorbia hirta</i>	Euphorbiaceae	Herb	1
	Badam	<i>Terminalia catappa</i>	Combretaceae	Tree	17
	Betle	<i>Piper betle</i>	Piperaceae	Herb	2
	Billa ganneru	<i>Catharanthus roseus</i>	Apocynaceae	Herb	2
	Billa ganneru	<i>Catharanthus roseus</i>	Apocynaceae	Herb	5
	Blue ginger	<i>Alpinia galangal</i>	Zingiberaceae	Herb	1
	Champaka	<i>Magnolia champaca.</i>	<b>Magnoliaceae</b>	Tree	1
	Crotan	<i>Croton bonplandianus</i>	Euphorbiaceae	Shrub	4
	Cycas	<i>Cycas</i>	Cycadaceae	Tree	2
	Danimma	<i>Punica granatum</i>	Lythraceae	Shrub	17
	Deva ganneru	<i>Plumeria rubra</i>	Apocynaceae	Plant	2

	Devaganneru	<i>Plumeria rubra.</i>	Apocynaceae	Shrub	10
	Doctor brush	<i>Plumbago zeylanica</i>	Plumbaginaceae	Herb	1
	Donda teega	<i>Coccinia indica</i>	Cucurbitaceae	Climber	4
	Duranta	<i>Duranta erecta</i>	Verbenaceae	Shrub	1
	Duranta	<i>Duranta erecta</i>	Verbenaceae	Herb	1
	Gaddi chamanthi	<i>Tridax procumbens</i>	Asteraceae	Herb	110
	Gali vana chettu	<i>Croton bonplandianum</i>	Euphorbiaceae	Herb	80
	Ganneru	<i>Nerium odorum</i>	Apocynaceae	Shrub	49
	Geranium	<i>Pelargonium peltatum</i>	Geraniaceae	Herb	
	Giligicha	<i>Crotalaria pallida.</i>	Fabaceae	Shrub	1
	Giligicha	<i>Gilgichloa indurata</i>	Poaceae	Herb	1
	Gulabi	<i>Rosa sps.</i>	Rosaceae		6
	Indian costus	<i>Dolomiaea costus</i>	Asteraceae	Herb	1
	Indigofera	<i>Indigofera tinctoria</i>	Fabaceae	Tree	1
	Insulin plant	<i>Chamaecostus cuspidatus</i>	Costaceae	Shrub	1
	Iriki chettu	<i>Cordia myxa</i>	Boraginaceae	Shrub	1
	Jama	<i>Psidium guajava</i>	Myrtaceae	Tree	4
	Jamun	<i>Syzygium cumini.</i>	Myrtaceae	Herb	1
	Jilledu	<i>Calotropis gigantea</i>	Asclepiadaceae	Herb	22
	Jilugu	<i>Caryota urens.</i>	Arecaceae	Tree	1
	Juka malle	<i>Passiflora foetida</i>	Passifloraceae	Climber	16
	Jukamalli	<i>Passiflora foetida.</i>	Passifloraceae	Herb	2
	Justica	<i>Justicia gendarussa.</i>	Acanthaceae	Shrub	1
	Kadambam	<i>Neolamarckia cadamba</i>	Rubiaceae	Tree	1
	Kaki donda	<i>Coccinia grandis</i>	Cucurbitaceae	herb	1

	Kala banda	<i>Aloe vera</i>	Liliaceae	Herb	18
	Kanchanam	<i>Bauhinia purpurea</i>	Fabaceae	Tree	1
	<i>Kantakari</i>	<i>Solanum surattense</i>	Solanaceae	Shrub	1
	Kanuga	<i>Millettia pinnata</i>	Fabaceae	Tree	105
	Karivepaku	<i>Murraya koe nigii</i>	Rutaceae	Tree	4
	Karpuravalli/D odapatri	<i>Plectranthus amboinicus.</i>	Lamiaceae	Herb	2
	Konga vusti	<i>Solanum torvum</i>	Solanaceae	Herb	1
	Kuppi Chettu	<i>Acalypha wilkesiana</i>	Euphorbiaceae	Herb	32
	Lantana	<i>Lantana camara</i>	Verbenaceae	Shrub	34
	Lavendar	<i>Lavandula angustifolia</i>	Lamiaceae	Herb	
	<i>Malabar spinach</i>	<i>Basella alba</i>	Basellaceae	Shrub	
	Mandara	<i>Hibiscus mutabilis</i>	Malvaceae	Shrub	4
	Maredu	<i>Aegle marmelos</i>	Rubiaceae	Tree	2
	Marri	<i>Ficus bengalensis</i>	Moraceae	Tree	1
	<i>Mastwood</i>	<i>Calophyllum inophyllum</i>	Calophyllaceae	Tree	1
	Medi	<i>Ficus racemosa</i>	Moraceae	Tree	1
	<i>Mulberry</i>	<i>Morus rubra</i>	Moraceae	Tree	
	Multivitamin	<i>Sauropus androgynus</i>	Phyllanthaceae	Shrub	
	Munaga	<i>Moringa oleifera</i>	Moringaceae	Tree	10
	Nadhivardam	<i>Taberna montena</i>	Apocynaceae	Shrub	50
	Nalleru	<i>Cissus quadrangularis</i>	Vitaceae	Climber	2
	Nalleru	<i>Cissus quadrangularis</i>	Vitaceae	Herb	1
	Nandivardhana m	<i>Tabernaemontana divaricata.</i>	Apocyanaceae	Herb	5
	Nandivrdanam	<i>Tabernaemontana divaricata</i>	<u>Apocynaceae</u>	Shrub	50

	Naramamidi	<i>Polyalthia longifolia</i>	Annonaceae	Tree	2
	Neredu	<i>Syzygium cumini</i>	Myrtaceae	Tree	28
	Nimma	<i>Citrus aurantifolia</i>	Rutaceae	Tree	1
	Noni	<i>Morinda citrifolia</i>	Rubiaceae	Shrub	
	Nuru varahalu	<i>Ixora coccinea</i>	Rubiaceae	Herb	90
	Nuruvarahalu	<i>Ixora coccinea.</i>	Rubiaceae	Shrub	4
	Pachabottu	<i>Euphorbia hirta</i>	Euphorbiaceae	Herb	1
	Pachaganneru	<i>Saraca asoca</i>	Caesalpiaceae	Tree	1
	Paper flower	<i>Bougainvillea spectabilis</i>	Nyctaginaceae	Shrub	10
	Patchaganneru	<i>Cascabela thevetia.</i>	Apocynaceae	Shrub	8
	Pigeon berry	<i>Duranta erecta</i>	Verbenaceae	Shrub	1
	Poinsettia	<i>Poinsettia pulcherima</i>	Euphorbiaceae	Herb	1
	Raavi	<i>Ficus sps</i>	Moraceae	Tree	2
	Ravenala	<i>Ravenala madagascariensis</i>	Strelitziaceae	Shrub	1
	Reddyvarinanu palu	<i>Euphorbia hirta.</i>	Euphorbiaceae	Herb	4
	Royal palm	<i>Roystonea regia</i>	Arecaceae	Tree	2
	Sampenga	<i>Magnolia champaca</i>	Magnoliaceae	Shrub	3
	Samudrapala	<i>Argyreia nervosa</i>	Convolvaceae	Shrub	1
	Saraswati	<i>Centella asiatica</i>	Apiaceae	Herb	2
	Seetapalum	<i>Annona squamosa</i>	Annonaceae	Tree	10
	Shanka pushpi	<i>Convolvulus prostratus</i>	Convolvaceae	Herb	2
	Shatavari	<i>Asparagus racemosus</i>	Asparagaceae	Shrub	2
	Simarouba	<i>Simarouba</i>	Simaroubaceae	Tree	2
	Sitamma vari jada	<i>Caryota urens</i>	Arecaceae	Tree	2

	Subabul	<i>Leucaena leucocephala</i>	Fabaceae	Tree	20
	Subabul	<i>Leucaena leucocephala.</i>	Fabaceae	Tree	15
	Tamarind	<i>Tamarindus indica</i>	Caesalpinaceae	Tree	35
	Targetam	<i>Operculina turpethum</i>	Convolvulaceae	Shrub	1
	Teak	<i>Tectona grandis</i>	Verbenaceae	Tree	30
	Thuja	<i>Thuja</i>	Cupressaceae		5
	Thulasi	<i>Ocimum tenuiflorum</i>	Lamiaceae	Herb	10
	Tippa teega	<i>Tinospora cordifolia</i>	Menispermaceae	Climber	5
	Touch me not	<i>Mimosa pudika</i>	Fabaceae	Herb	4
	Ummetta	<i>Datura innoxia</i>	Solanaceae	Shrub	3
	Usiri	<i>Phyllanthus emblica</i>	Euphorbiaceae	Tree	8
	Vamaku	<i>Plectranthus amboinicus</i>	Lamiaceae	Herb	1
	Vaminta	<i>Cleome viscosa</i>	Cleomaceae	Shrub	2
	Vaminta	<i>Cleome viscosa</i>	capparaceae	Herb	2
	Vavili aku chettu	<i>Vitex negundo</i>	Lamiaceae	Herb	1
	Vayyaribhama	<i>Parthenium hysterophorus</i>	Asteraceae	Herb	10
	Vepa	<i>Azadirachta indica</i>	Meliaceae	Tree	210
	Wild guard	<i>Citrullus colocynthis</i>	Cucurbitaceae	Heb	1
S	Yellow bells	<i>Tecoma stans</i>	Bignoniaceae	Shurb	50

**Eco-club Activities:** Every year the college celebrates world environment day, World forest day, World Biodiversity day, Ozone days are celebrated by conducting Quiz, Essay writing, Elocution and poster presentation competitions. This will help in bringing awareness among the students about environment, conservation and sustainable use of bio- diversity and natural resources.