#### Best practice adopted by Department of Botany during the academic year -2021-2022

### Title of the practice: Vermicomposting unit

Context: as a part of tradition of implementing best practices every year, in 2021-2022 we did renovation in vermicompost pit.

**Objectives**: The campus is very much potential in providing the biomass which seems to be a be a best raw material for the production of vermicompost.

**Implementation:** with the experience of organizing a workshop on organic farming a new practice was adopted in the form of vermicomposting. In this program 50 students were participarted, they maintained vermin compost unit. On a regular basis the student volunteers collect the suitable biomass and place it in the unit in a proper way. They are supposed to momitor moisture content as well as the presence of the earthworms.





Best Practice adopted by the Department of Botany Generation of DR code to the documented plants of the college Campus (24/04/2021) Context: The Department has adopted to identify plants documented plant species present in the College Campus by generating DR Codes are barude that can be nead by mobile phone (smartphone) (ameras. A. Our code is Unique to a Webpage. All plant pages have their own Unique Code. Anyone with a Smart phone can use a QR wde Scanning app to Scan the code and see the Scientific name, family & Medicinal Uses of the plant Objectives: To display the plant information to Quick Response Code through To visualize plant information Quick Response Lode. To Know Scientific and Common name family & Medicinal Uses of the plants. Implementation: Department of Botany have identified Some Students of B.S. Life Sciences and assigned todo Study project on "A Study and Documentation of Flora Existing in the Campus of Gout Degree College Khairatabad and documentation to the existing flore with the help of Dr. J. Goarny Scientist B from BSI (Botanical Survey of India) Decian regional centre In the year 2017-18 on 9 11 2017 and submitted project on 24/11/2017 OR codes are generated for those plants Observation: Our College principal Dr. DSR Rajender Singh Says that people often wirous to Know about a plant that is infront of them but may not know what to look for even if they worse to do a Google Search Dept-of Botany GDC Khairatabad proposed togging trees in the college Campus with DR codes.

We see DoR Codes on product packaging which is used to find out more about the product.

DoR codes are generated and display them on plants. Any one with a Smartphone (an downloss a DoR lode Scanning app. Scan the Code and see the Scientific name and common name, farrily, medicinal uses of the plants.

Principal of our college Dr. D.S.R Rajender Singh and Head of the Department B. Sofia Ram and faculty of Botany & Microbiology Dr. P. Vijaya, Dr. K. Sarojini Chakravarthy P. Archana mary involved in Dor Code tagging to plants. Other faculty members of GDCK also involved and participated in this programme.

B. Sofia Ramo

### Generation of QR codes - list of plants

L. Alstonia scholaries(L)	- Apocynaceae
2. Azadirachta indica A. Juss	- Meliaceae
3. Mangifera indica L.	- Anacardiaceae
4. Ficus benghalensis	- Moraceae
5. Annona squamosa L.	- Annonaceae
6. Polyalthia longifolia (sonn.)	- Annonaceae
7. Ficus religiosa L.	- Moraceae
8. Jacaranda mimosifolia	- Bignoniaceae
9. Pettaphorum pterocarpum	- Caesalpinaceae
10. Spathode companulata	- Bignoniaceae
11. Parika biglandulosa	- Mimosaceae
12. Sterculia foetida	- Malvaleae
13. Phyllanthus emblica	- Euphorbiaceae
14. Ficus racemosa	- Moraceae
15. Palhergia sissoo	- Papilionaceae
16. Aloevera	- Asphodelaceae
17. Bryophyyllum pinnatum	- Crassulaceae
18. Catharanthus roseus	- Apocynaceae
19. Cissus quadrangularis	- Vitaceae
20. Sauropus androgymus	- Phyllanthaceae
21. Psidium guava Guava	• 19
22	Myrtaceae
23.Syzygium cumini - Myrte	
24. Pithecollobium dulue (Roxb) I	
25. Ficus religiosa	- Moraceae - Ravi
26. Ixora coccinia	- Rubiaceae
Nooruvarahalu	
27. Adenium obesum	- Аросупасеае
	Nyctaginaceae - Kagithala puvvu
그 맛있는 그 맛이 가를 맞다면 하는 것 같아요. 그는 맛을 하는데 없는 사람들이 얼마나 없다.	pocynaceae - Ganneru
- [1] : [1]	Cannaceae - Guruvinda
	rassulaceae - Seemajemudu
32. Asparagus racemosus -	Asparagaceae - Sathaveru
33. Murraya koenighi -	Rutaceae - Karivepaku
34. Timospora cordifolia -	Menispermaceae - Tippateega
	Euphorbiaceae
36. Indigofera astragallina -	
37. Roystonea regia -	Arecaceae
38. Alvizia lebbeck (L) Benth -	Fahaceae

# Generation of OuR codes - List of plants

	1. Alstonia scholaris (L.) - Apo ugnaceae
	a. Azadirachta indica A. Juss - Meliaceae
	3. Mangifera indica L Anacardiaceae
	4. Ficus benghalensis - Moraceae 2018
	5. Annona squamesa L Annonaceae
	6. Polyalthia longifolia (sonn.) - Annonaceae
	7. Ficus religiosa L Monceae
	8. Jacaranda mimosifolia - Bignoniaceae
-	9. Petrophown ptero carpun - Caesalpinaceae
	10. Spathoolea Companulata - Bignoniaceae
	11. Parkia biglandulosa - Minusaceae
	12. Sterculia fo etida - Malvallal
	13. Phyllanthus emblica (- Euphobbiaceae / 6 28
	14. Ficus racemosa - Moraceae
	15. Palbergia sissoo - Papilionaleae
-	16. Albevera _ Asphodelaceae
1	17. Bryophyllum pinnatum - Chassulaceae
-	18. Cath aranthus Iroseus - Apocynaceae
_	19. Cissus quadrangularis - Vitalede
	20. Sausopus androgynus - Phyllanthaceae
_	21. Psidium guava - Mystaceae - quara (200
_	19 Jet Julia Callette - 1 1911
_	23. Pithecellobium dulle (Roxb) Benth - Fabaueae. Seemachintre
_	24. Ficus religiosa - Moraceae Ravi savred fig tree
	25 Ixora wanta - reciación
	26. Adenium obesum - Apougnaceae - 27 Bougainvillea Spectabilis - Nyctaginaceae / Kagithalapuwu
	28. Nerium Oleangler - Aponynaceae - gannero
	29. Canna indica - Cannaceae - Guruvinda
	30 . Bajophyllum pinnatum - Coassulaceae - Seemajemude
_	31 Asparagus gracemosus - Asparagaleae - Sathavelu
_	32. Murraya Koenighi - Rutaceae - Karivepaku
-	33. Tinospola lordifolia - Menspermaceae - Tippateega

## Generation of QR code to the newly planted Saplings

## (28.4-2022)

Department of Botany has adopted to identify plants present and planted newly in the College Compus as a part of Telanganaku Haritha Harum on 28.4.2022 The popularity of QR wdes for encoding information Such as URIs has increased exponentially in step with the technological advances and availability of smartphones digital tablets and other electronic devices. we fagged Dok codes to the newly planted Sapling in the college campus. On this occasion our Principal Sir Dr. B. Rajendra Kumas emphasized the importance of DR codes and protection of plants Faculty and students politicipated and tagged BR codes to the plants. Students Scanned the OuR Codes and got information of the plant. Total 20 Saplings were tagged. like. Tagged at B-Block copposite) Near WEC 1. Emblica officinalis 18. Jacaranta mimosifolia 2. Annona Squamosa 19 sterentia fortide 3. Psidiom Guova 20 . catharanthus groseus 4 - Schizigion cumini 5. Tradescantia spathacea 6. Pongamia prinnata T. Codiaeum Variegatum 8. Ixora chinensis 9. Hibiscus 10. Jasmine 11 - Rosa sinumsis 12 - Kalanchoe diagremontiana 13. Clitoria ternatea 14. Agave americana 15. Ranunculus 16 Chlorophyllum comosum

B. sofia Ram

17. Adenium obesom