Government Degree College, Khairatabad Green campus initiatives 2021-22

Generation of QR code to the accumented planks 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 Q2R Codes are barrodes that can be gread by mobile phone (smartphone) Cameras. A. QR Code is Unique to a Webpage. All plant pages have their own Unique Code. Anyone with a Smart phone can use a QR code Scanning app to Scap the code and see the Scientific name, family & Medicinal Uses of the plant. Objectives : To display the plant information to Quick Response Code To visualize plant information through Quick Response code. To Know Scientific and common name family & Medicinal Uses of the plants. Implementation: Department of Botany have identified 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 (Botamical Survey of India) Decian regional centre In the year 2017-18 on 9/11/2017 and Submitted project on 24/11/2017 OR lodes are generated for those plante Singh Says that people often Lurious to Know about a Observation: plant that is infront of them but may not know what to look for even if they were to do a Google Search Dept-of Botany GDC Khairatabad proposed togging trees in the college Campus with Dir Loder.

We see Dir Codes on product packaging which is used to find out more about the product. Dir codes are generated and display them on plants. Any one with a Smartphone can download a Dir code Scanning app. Scan the Code and see the Scientific name and common name, family, 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 & Micro Diology Dr. P. Vijaya, Dr. K. Sarojini Chakrovarthy P. Archana mary involved in DrR code tagging to plants. Other faculty members of GDCK also involved cond participated in this programme. B. Sofia Rand

Generation of QuR Lodes - List of plants

Alstonia Scholaris (L.) - Apougnaceae X. Azadirachta indica A. Juss - Meliaceae / 2. - · Anacardiaceae / 2022 Mangifera indica L. 3. 2018 \_ Moraleae Ficus benghalensis -Ky. Annona squamosa L. - Annonaceae 2 00000 5. (sonn.) - Annonaleae Polyalthia longifolia Ficus religiosa L. - Moraceae 6. 7, Jacaranda mimosifolia - Bignoniaceae hI. 8. Pettophonom ptero carpuno - Caesalpinaceae 9. Spathoolea Companulata - Bignoniaceae / 10 , Parkia biglandulosa - Minusaceae H. Sterculia foetida - Malvaleae 12. Phyllanthus emblica (- Euphorbiaceae / G.28 13. Ficus racemosa -Moraleal 14, Palbergia sissoo - Papilionaleae 15. Albevera \_ Asphodelaceae 16, Bryophyllum pinnatum - Crassulaceae 17' Catharanthus roseus - Apocynaceae 18. Cissus quadrangularis - Vitaceae 19, Sauropus androgynus - Phyllanthaceae 20. Psidium guava - Mystaceae - Guava (2020) 21. Seta Syzygion cumini - Mystaceae - Neredu Pithecellobium dulle (Roxb) Benth - Fabaceae. Seemachinthe 23 . Ficus religiosa - Moraceae \_ Ravi sacred fighter Ixora cocinia - Rubiaceae - Nooruvarahalu 25 Adenium obesum - Apougnaceae 26 1 Bougainvillea Spectabilis - Nyctaginaceae - Kagithalapuwu 27 Nerium Oleangler - Apoynaceae - ganneru 28. Canna indica - Cannaceae - Guruvinda 29. 30 .\* Byophythum pinnatum - Coassulaceae - Seemajernete 31 Asparagus gracemosus - Asparagaleae - Sathavelu 32. Murraya Koenighi - Rutaleae - Kasivepaku 33. Tinospola Lordifolia - Menspermaceae - Tippatega

13

34. Eughorbia hirta - Eughorbiaceae Indigofera astragallina \_ papilionaueae 35. Roystonea regia - Arecaceae 36. Alvizia lebbeck (L) Benth - Fabaleae V 31. 38 · Bauhinia purpusea L - Fabaceae Dalbergia sisso \_ Fabauar 39. # 40 Caesalpina puliherima - coesalpinareae 41. Delonix regia - Fabaceae Csubfamily: Gaesalpine 42 × Bautinia puepurea - Fabaleae Jasminum Officinale - Oleaceae 43 Justicia adhatoda (Adhatoda vasica) - Acanthaceae 44 cipus limon - Rutaceae 45. Hibisuus vosa sinengis n 46. Helianthus annus - Asteraceae 41. Acalypha indica -Thuja occidentalis L. \_ cupressaceae 48 49. 50 Tamarindus indica -Oak tree (Querus robus \_ Fagalear 51 52 Caesalpinia eps. 5

14

## 1. Alstonia scholaries(L) Apocynaceae Meliaceae 2. Azadirachta indica A. Juss Anacardiaceae 3. Mangifera indica L. Moraceae 4. Ficus benghalensis \_ Annonaceae 5. Annona squamosa L. 6. Polyalthia longifolia (sonn.) Annonaceae Moraceae 7. Ficus religiosa L. Bignoniaceae 8. Jacaranda mimosifolia 9. Pettaphorum pterocarpum Caesalpinaceae Bignoniaceae 10. Spathode companulata Mimosaceae 11. Parika biglandulosa 12. Sterculia foetida Malvaleae Euphorbiaceae 13. Phyllanthus emblica Moraceae 14. Ficus racemosa Papilionaceae 15. Palbergia sissoo Asphodelaceae 16. Aloevera Crassulaceae 17. Bryophyyllum pinnatum Apocynaceae 18. Catharanthus roseus 19. Cissus quadrangularis Vitaceae Phyllanthaceae 20. Sauropus androgymus 21. Psidium guava Guava Myrtaceae 22. - Myrtaceae -Neredu 23. Syzygium cumini 24. Pithecollobium dulue (Roxb) Benth -Fabaceae seema chintha Moraceae Ravi 25. Ficus religiosa 26. Ixora coccinia Rubiaceae Nooruvarahalu 27. Adenium obesum - Apocynaceae 28. Bougainvillea spectabilis - Nyctaginaceae - Kagithala puvvu - Apocynaceae 29. Nerium oleander - Ganneru - Cannaceae 30. Canna indica Guruvinda 31. Bryophyllum pinnalum - Crassulaceae Seemajemudu -32. Asparagus racemosus - Asparagaceae - Sathaveru 33. Murraya koenighi Rutaceae - Karivepaku 34. Timospora cordifolia Menispermaceae - Tippateega Euphorbiaceae 35. Euphorbia hirta Papilionaceae 36. Indigofera astragallina -Arecaceae 37. Roystonea regia -

38. Alvizia lebbeck (L) Benth

Fabaceae

## Generation of QR codes – list of plants