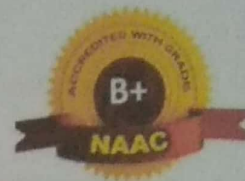




Sant Dnyaneshwar Shikshan Sanstha's
**Hon. Shri. Annasaheb Dange Ayurved Medical College
& Post Graduate Research Center**
A/p :Ashta, Tal. : Walwa, Dist :Sangli – 416 301
Website : www.adamcashta.com E-mail : ashta.adamc@gmail.com
NAAC Accrediated ISO Certified 9001-2015,14000-2015



ACTIVITY REPORT

Date – 25/04/2022

INAUGURATION OF DIGITAL HERBAL GARDEN

Title of Activity: Inauguration of Digital Herbal Garden

Duration: One Day

Date: 23/04/2022

Time: 10:00 am to 2:00 pm

Objectives of event / activity:-

- To help the students to identify Medicinal Plants.
- Digitalization of Herbal Garden in the college campus.

Description: - Hon. Shri. Annasaheb Dange Ayurved Medical College, Post Graduate & Research Center, Ashta, Department of Dravyaguna Vidnyan has developed Digital Herbal Garden. One of the most important benefits of using digital learning is that materials are always available to students—24 hours. QR (Quick Response) codes are type of location based digital technology. QR codes attached to medicinal plants help in identification as well as to understand the properties & action, uses, important formulations of that plant.

Annasaheb Dange Ayurvedic Medical College has well developed Herbal gardens namely Charak Herbal Garden, Sushrut Herbal Garden, Vagbhat Herbal Garden and Dhanvantari Herbal Garden with wide verity of medicinal plants. The institute has also developed Nakshatra, Rashi and Graha Gardens. . Previously Plant name plates were attached to the plant for identification purpose and student had to use the text book to read the information. Now QR codes are developed for 121 species and 390 plants.

The inauguration of Digital Herbal Garden was held in the presence of president of N.C.I.S.M. New Delhi Dr. B. S. Prasad, Dr. S. R. Joshi (Former HOD of Botany Department Shivaji University Kolhapur), Dr. S. R. Yadav (Former HOD of Botany Department Shivaji University Kolhapur), Hon. Shri Annasaheb Dange, Secretary Advocate Rajendra /Chimanbhau Dange, Chhagan Nangare, Appasaheb Pujari, Dr. Satish Bapat, Principal Dr, Ashok Wali and other teaching- non teaching staff.

Dr Sarika Kandharkar had explained benefits of QR codes and shown the QR codes displayed in the garden. Dr B. S. Prasad had scan the QR code and praised about these activity. Dr. Sarita Gavade and Madhuri Patil had shown QR code Scanning to other delegates.

Outcome:

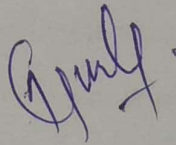
Digital learning can help enable personalized learning, in that everybody has specific techniques and learning methods that suit them.

Important benefits of using digital learning is that materials are always available to students—24 hours a day, 7 days a week.

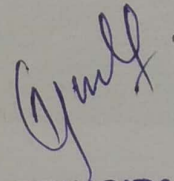
QR codes attached to medicinal plants help in identification as well as to understand the properties & action, uses, important formulations of that plant.

Documents Attached:

1. QR Code demo plate
2. Photograph
3. QR Code Plant List



Head of Dept.,
Drava Guna Dept
A. D. A. M. C Ashta



PRINCIPAL
Shri. Annasaheb Dange Ayurved Medical
College, Ashta, Tal. Walwa, Dist. Sangli



Hon. Shri. Annasaheb Dange

Founder,
Sant Dnyaneshwar
Shikshan Sanstha, Islampur



Sant Dnyaneshwar Shikshan Sanstha's

**Hon. Shri. Annasaheb Dange Ayurved Medical College,
Post Graduate & Research Center, Ashta**
Tal. : Walwa, Dist: Sangli - 416 301

DEPARTMENT OF DRAVYAGUNA VIDNYAN

ERAND

Ricinus communis Linn.

ERAND

1. **Plant** - Classical

2. **Gana** – **Charak** – Bhedaniya, Madhuraskandha

Sushrut – Vidarigandhadi, Vatasanshaman

3. **Kula** - Amalaki kula

4. **Family** – Euphorbiaceae

5. **Synonyms** – Gandharvhashta, Panchangul, Vardhaman, Chitrabeej

6. **Distribution** – Throughout India, cultivated and found run wild.

7. **Morphology** – A perennial, bushy, soft-wooded small tree with a thin grayish brown bark; **Leaves** palmately lobed with seven or more serrate lobes, petioles with conspicuous glands; **Flowers** monoecious in terminal paniculate racemes with crowded male flowers on the upper half of the inflorescence and the pistillate at the basal half, sometimes a few pistillate flowers at the top also; **Fruits** globose, explosively dehiscent, 3-seeded capsules, when young it is green and covered with fleshy prickles; **Seeds** oblong with smooth, hard mottled crustaceous testa with a white caruncle at the top enclosing oily and fleshy endosperm.

8. **Types** - 1. Shwet Erand 2. Rakta Erand

9. **Gunakarma** – **Guna** – Guru, Sukshma, Snigdha, Tikshna

Rasa – Madhur **Vipak** – Katu **Veerya** – Ushna

10. **Doshkarma** – Kapha-vatashamak

11. **Rogaghnata** – Shula, Shotha, Udararoga, Jwara, Aamavat

12. **Chemical Composition** – Alkaloids Ricine, Albumin, Ricine, Gallic acid

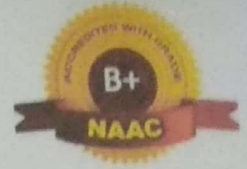
13. **Parts used** – Root, Leaves, Seed, Oil

14. **Kalp** – Gandharvharitaki Churn, Erandasaptak, Kwatha, Erandapak, Gandharvahasta Tail





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Inauguration of Digital Herbal Garden

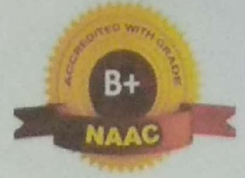


Visit to Digital Herbal Garden





Sant Dnyaneshwar Shikshan Sanstha's
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Digital Herbal Garden QR Code List

Sr. No	Latin Name	Sanskrit Name	Marathi Name	Quantity
1.	<i>Ricinus communis</i> Linn.	एरंड	एरंड	5
2.	<i>Gmelina arborea</i> Linn.	गम्भारी	शिवण	2
3.	<i>Tinospora cardifolia</i> Willd. Miers	गुडूची	गुळवेल	2
4.	<i>Terminalia chebula</i> Retz.	हरीतकी	हिरडा	3
5.	<i>Eugenia jumbolana</i> Lamk.	जम्बू	जांभूळ	8
6.	<i>Bauhinia variegata</i> Linn.	कांचनार	कांचन	1
7.	<i>Holarrhena antidysenterica</i> Wall.	कुटज	कुडा	4
8.	<i>Azadirachta indica</i> A. Juss.	निंब	कडूनिंब	14
9.	<i>Cocos nucifera</i> Linn.	नारिकेल	नारळ	12
10.	<i>Cinnamomum camphora</i> Linn.	कर्पूर	कापूर	1
11.	<i>Ficus glomerata</i> Roxb.	उदुंबर	उंबर	7
12.	<i>Moringa pterygosperma</i> Gaertn.	शिग्रू	शेवगा	1
13.	<i>Pongamia pinnata</i> (Linn.) Merr.	करंज	करंज	1
14.	<i>Oroxylum indicum</i> (Linn.) Vent.	श्योनाक	टेंदू	1
15.	<i>Cretaevea nurvala</i> Buch.	वरुण	वायवर्णा	2
16.	<i>Alstonia scholaris</i> (Linn.)	सप्तपर्णा	सातवीन	3
17.	<i>Adhotoda vasica</i> Nee	वासा	अडुळसा	10
18.	<i>Anthocephalus cadamba</i> (Roxb.)	कदंब	कदंब	6
19.	<i>Madhuca longifolia</i> (Roxb)	मधूक	मोह	2
20.	<i>Pterospermum acerifolium</i> Willd.	मुचकुंद	मुचकुंद	2
21.	<i>Carica papaya</i> Linn.	एरंडकर्कटी	पपई	3
22.	<i>Calophyllum inophyllum</i> Linn.	पुन्नाग	उंडीण	3
23.	<i>Pterocarpus santalinus</i> Linn.f	रक्तचंदन	रक्तचंदन	1
24.	<i>Dalbergia sissoo</i> Roxb.	शिशपा	शिसव	4
25.	<i>Cordia dichotoma</i> Forst.	श्लेष्मांतक	भोकर	5
26.	<i>Eucalyptus globulus</i> Labil	तैलपर्णी	निलगिरी	2



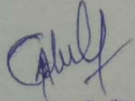
27.	<i>Ficus bengalensis</i> Linn.	वट	वड	5
28.	<i>Manilkara hexandra</i> Roxb.	खिरणी	खिरणी	2
29.	<i>Celastrus paniculatus</i> Willd	ज्योतिष्मती	मालकांगोणी	1
30.	<i>Randia dumetorum</i> Retz.	मदनफल	मदनफळ	1
31.	<i>Premna integrifolia</i> Linn.	अग्निमंथ	टाकळी, ऐरण	3
32.	<i>Emblica officinalis</i> Gaertn.	आमलकी	आवळा	6
33.	<i>Tamarindus indica</i> Linn.	अम्लिका	चिंच	8
34.	<i>Mangifera indica</i> Linn.	आम्र	आंबा	7
35.	<i>Terminalia arjuna</i> W. & A.	अर्जुन	अर्जुन	11
36.	<i>Saraca asoca</i> Roxb. De. Wilde	अशोक	अशोक	4
37.	<i>Cassia fistula</i> Linn.	आरग्वध	बाहावा	3
38.	<i>Mimusops elengi</i> Linn.	बकुल	बकुळ	6
39.	<i>Terminalia bellerica</i> Roxb.	बिभीतक	बेहडा	12
40.	<i>Aegle marmelos</i> Linn. Corr.	बिल्व	बेल	9
41.	<i>Santalum album</i> Linn	चंदन	श्वेत चंदन	4
42.	<i>Punica granatum</i> Linn.	दाडिम	डाळिंब	1
43.	<i>Putranjeeva roxburghii</i> Wall.	पुत्रंजीवक	पुत्रंजीव	11
44.	<i>Hibiscus rosa-sinesis</i> L.	जपा	जास्वंद	1
45.	<i>Calotropis procera</i> (Ait.) R. Br.	अर्क	रुई	4
46.	<i>Withania somnifera</i> Dunal.	अश्वगंधा	अश्वगंधा	1
47.	<i>Plumbago zeylanica</i> Linn.	चित्रक	चित्रक	1
48.	<i>Baliospermum montanum</i> Muell.	दन्ती	दंती	1
49.	<i>Annona squamosa</i> Linn.	सीताफलम्	सीताफळ	5
50.	<i>Polyalthia longifolia</i> Benth & Hook.	काष्ठदारु	खोटा अशोक	10
51.	<i>Mallotus philippinesis</i> Muell Arg.	कंपिल्लक	कपिला	4
52.	<i>Nyctanthus arbortristis</i> Linn.	पारिजातक	पारिजात	2
53.	<i>Asparagus racemosus</i> Willd.	शतावरी	शतावरी	2
54.	<i>Gardenia gummifera</i> Linn. f.	नाडीहिंगू	डिकेमाली	1
55.	<i>Barleria prionitis</i> Linn.	सहचर	कोरांटी	1
56.	<i>Ficus microcarpa</i> Linn.f.	प्लक्ष	पायरी	5
57.	<i>Citrus limon</i> (Linn.) Burm.f.	निंबुक	लिंबू	2
58.	<i>Ocimum sanctum</i> Linn.	तुलसी	तुळस	1
59.	<i>Ailanthus excelsa</i> Roxb.	अरलू	महारुख	1



60.	<i>Psidium guajava</i> Linn.	पेरुक	पेरू	5
61.	<i>Pithecellobium dulce</i> (Roxb.) Benth	विलायती चिंच	-	6
62.	<i>Solanum torvum</i> Swartz.	बृहती भेद	बृहती भेद	3
63.	<i>Terminalia paniculata</i> Linn.	अश्वकर्ण	किंजळ	2
64.	<i>Jasminum grandiflorum</i> Linn.	जाती	जाई	2
65.	<i>Lawsonia inermis</i> Linn.	मदयन्तिका	मेहंदी	1
66.	<i>Thespesia populnea</i> Linn.	पारिश	पारोसापिंपळ	2
67.	<i>Stereospermum suaveolens</i> DC.	पाटला	पाडळ	1
68.	<i>Vitex negundo</i> Linn.	निर्गुडी	निर्गुडी	1
69.	<i>Nothapodytes nimmoniana</i> Grah.	नरक्या	नरक्या	1
70.	<i>Bixa orellana</i> Linn.	सिंदूरी	शेंद्रि	3
71.	<i>Ensete superbum</i> Roxb.	वनकदली	रानकेळी	1
72.	<i>Markhamia lutea</i> Benth.	विलायती पाडळ	-	5
73.	<i>Citrus aurantium</i> Var.	बृहत जम्बीर	ईडलिंबू	3
74.	<i>Grewia asiatica</i> Linn.	पारुषक	फालसा	2
75.	<i>Muntingia calabura</i> L.	पांचारा	-	1
76.	<i>Phyllanthus acidus</i> L.	लवली	राईआवळा	1
77.	<i>Ficus benamina</i> L.	वटभेद	-	2
78.	<i>Tabebuia argentea</i> (Bureau & K.Schum.)	-	पिवळा टयाबुबिया	1
79.	<i>Tabebuia rosea</i> (Bertol.) DC.	-	गुलाबी टयाबुबिया	1
80.	<i>Areca catechu</i> Linn.	पुग	सुपारी	1
81.	<i>Adansonia digitata</i> Linn.	गोरक्षी	गोरखचिंच	2
82.	<i>Commiphora mukul</i> Hook ex.	गुग्गुलु	गुग्गुळ	1
83.	<i>Murraya koenigii</i> (L.)	कैडर्य	कडीपत्ता	1
84.	<i>Adina cordifolia</i> Benth & Hook	हरिद्रू	हलद्रव	4
85.	<i>Cordia subestena</i> Linn	श्लेष्मांतक भेद	शेंद्रि भोकर	3
86.	<i>Sterculia foetida</i> Linn.	पुतिदारू	जंगली बदाम	1
87.	<i>Ichnocarpus frutescens</i> R.Br.	कृष्ण सारिवा	अनंतमुळ	3
88.	<i>Garcinia indica</i> Linn.	वृक्षाम्ल	कोकम	2
89.	<i>Indigofera tinctoria</i> Linn.	नीली	नील	1
90.	<i>Bombax malabarica</i> DC.	शाल्मली	काटेसावर	4
91.	<i>Acacia catechu</i> Willd.	खदिर	खैर	3
92.	<i>Ficus religiosa</i> Linn.	अश्वत्थ	पिंपळ	4



93.	<i>Butea monosperma</i> (Lam.) Kuntz	पलाश	पळस	3
94.	<i>Strychnos nuxvomica</i> Linn.	कुपीलु	काजरा	1
95.	<i>Aquilaria agallocha</i> Roxb.	अगुरू	अगर	1
96.	<i>Artocarpus integrifolia</i> Linn.	पनस	फणस	1
97.	<i>Bambusa arundinacea</i> Willd.	वंश	बांबू	2
98.	<i>Calamus rotang</i> Linn.	वेतस	वेत	2
99.	<i>Prosopis cineraria</i> L.	शमी	सौंदंड	3
100.	<i>Desmostachya bipinnata</i> Stapf.	कुश	दर्भ	1
101.	<i>Achyranthes aspera</i> Linn.	अपामार्ग	आघाडा	1
102.	<i>Cynodon dactylon</i> Linn. Pers.	दुर्वा	हाराळी	1
103.	<i>Mesua ferrea</i> Linn.	नागकेशर	नागचाफा	1
104.	<i>Tectona grandis</i> Linn. f.	शाक	सागवान	6
105.	<i>Costus speciosus</i> (Koeing) Sm.	केबुक	पेवा	2
106.	<i>Peltophoru pterocarpum</i> (DC.)	-	पितमोहर	7
107.	<i>Ravenea hildebrandtii</i> H. Wendl. ex C.D.	-	पाम ट्री	11
108.	<i>Jacaranda mimosifolia</i> D. Don	-	नीलमोहर	1
109.	<i>Caesalpinia pulcherrima</i> (L.) Sw.	-	शंकासूर	3
110.	<i>Elaeocarpus ganitrus</i> Roxb.	रुद्राक्ष	रुद्राक्ष	1
111.	<i>Simarouba glauca</i> DC.	-	लक्ष्मीतरु	2
112.	<i>Plumeria alba</i> L.	-	पांढरा चाफा	1
113.	<i>Delonix regia</i> (Hook.) Raf.	-	गुलमोहर	1
114.	<i>Samanea saman</i> (Jacq.) Merr.	-	रेनट्री	4
115.	<i>Terminalia catappa</i> L.	-	बदाम	10
116.	<i>Lagerstroemia speciosa</i> (L.) Pers.	-	ताम्हण	1
117.	<i>Feroniella lucida</i> Linn.	कपित्थ	कवठ	1
118.	<i>Sapindus trifoliatu</i> s Linn.	अरिष्टक	रिठा	1
119.	<i>Wrightia tinctoria</i> (Roxb.) R.Br	स्त्री कुटज	काळा कुडा	2
120.	<i>Shorea robusta</i> Gaertn f.	शाल	राळ	1
121.	<i>Millingtonia hortensis</i> L.	-	बुचाचे झाड	3
TOTAL				390


Head of Dept.,
Drava Guna Dept.
A. D. A. M. C Ashia

