

## SRR & CVR Government Degree College

An Autonomous & ISO 9001: 2015 Certified Institution:: Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band in NIRF 2019 NAAC accredited Institution with grade B+ with C.G.P.A 2.6 during March, 2017

Machavaram, Vijayawada, Krishna District, AP-520 004



### DEPARTMENT OF BOTANY

<b>Dates</b>	<b>28.12.2020</b>
<b>Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.</b>	<b>Department</b>
<b>Nature of activity (seminar/Workshop/Extn. Lecture etc.</b>	<b>Extension activity</b>
<b>Title of the Activity</b>	<b>Medicinal plants Plantation activity</b>
<b>Name of the Department/Committee</b>	<b>Department of Botany</b>
<b>Details of Resource Persons (Name , Designation etc., )</b>	<b>B.SC BZC Students</b>
<b>No of students participated</b>	<b>40</b>
<b>Name of the Lecturers who planned &amp; conducted the activity</b>	<b>Planned and Organized by Ms D. Jyothi Lecturer In Charge Mrs Kanthasri , Lecturer in Botany</b>
<b>Remarks</b>	<b>Students participated in this Plantation activity with immense interest .</b>

**Department of Botany SRR & CVR Govt Degree College Organized Herbal Garden  
Plantation activity on 28.12.2020**



**Nearly 40 students of I B.Sc BHC and BZC participated in this program under the Guidance of Mrs D. Jyothi Incharge & Lecturer in Botany .**

**Students collected several easily available Medicinal plants and seeds and planted them in some area of our Department Botanical garden .**

**In the Botanical garden students removed unnecessary weeds and cleaned the area . The plot was prepared , plowed and some herbal plants seeds were sown and plantation activity done . Work was divided among students for watering and maintenance of the common medicinal plants in Garden .**

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**DEPARTMENT OF BOTANY**

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Machavaram, Vijayawada, Krishna District, AP-520 004



### DEPARTMENT OF BOTANY

<b>Dates</b>	<b>19.2.2021</b>
<b>Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.</b>	<b>Department</b>
<b>Nature of activity (seminar/Workshop/Extn. Lecture etc.</b>	<b>Best Practice</b>
<b>Title of the Activity</b>	<b>QR Tagging</b>
<b>Name of the Department/Committee</b>	<b>Department of Botany</b>
<b>Details of Resource Persons (Name , Designation etc., )</b>	<b>B.SC BZC Students</b>
<b>No of students participated</b>	<b>70</b>
<b>Name of the Lecturers who planned &amp; conducted the activity</b>	<b>Planned and Organized by Mrs D. Jyothi Lecturer In Charge Ms Kanthasri Lecturer in Botany</b>
<b>Remarks</b>	<b>This QR Tagging activity was a best practice and a green initiative from department</b>

**Department of Botany, SRR & CVR Govt Degree College Organized QR Tagging on 19.2.2021 as one of the green initiatives of the Department.**

**Objectives of the Activity:**

- ❖ To tag each tree in the campus with QR Code and enable the students and faculty to be aware of all the scientific and preliminary information and IUCN Status of the plants.
- ❖ To Know the tree information like scientific name , medicinal significance, IUCN Status along with other interesting information.
- ❖ To gain knowledge about the College campus plants taxonomy and their ecological significance .
- ❖ To increase awareness in faculty, students and public on significance of plants and their role in day to day life .
- ❖ To increase awareness in people about the dire need of conservation of plants.



**Honourable Principal, Staff and students exhibiting QR Codes**

**In this digital world , This work is an effort to create a means to establish environmental sustainability through QR code tagging to trees. With increased usage of smartphones, tablets and the availability of these devices at a lower cost motivated us to adopt QR code tagging for obtaining detailed information about the flora collection available in our college.**

**QR Codes are 2D barcodes occupying little space that are easily scannable via a smartphone. They are already being used in Botanical gardens, Parks and Nature trails . QR Codes can link detailed information like text, website URL, an image, or a video. Hence, they can be easily placed on a small size sapling to a big tree . We can also add design to QR Codes by adding a background color or an image and show how a plant looks when it blooms and can then print this QR Code on the tag placed on every plant in the College .**

**The Department of Botany at the SRR and CVR Govt Degree College tagged trees in the College Campus area with QR code on 19.2.2021 with the help of students and faculty and now wishes to extend the initiative by completely tagging the trees in and beyond the campus like machavaram area. It is an effort to save the local plant species in and around College as a part of Natural Conservation .**

**The practice :**



**This Practice started in 2019-2020 and continues . These codes can be easily accessed by anyone in the college faculty and students .**

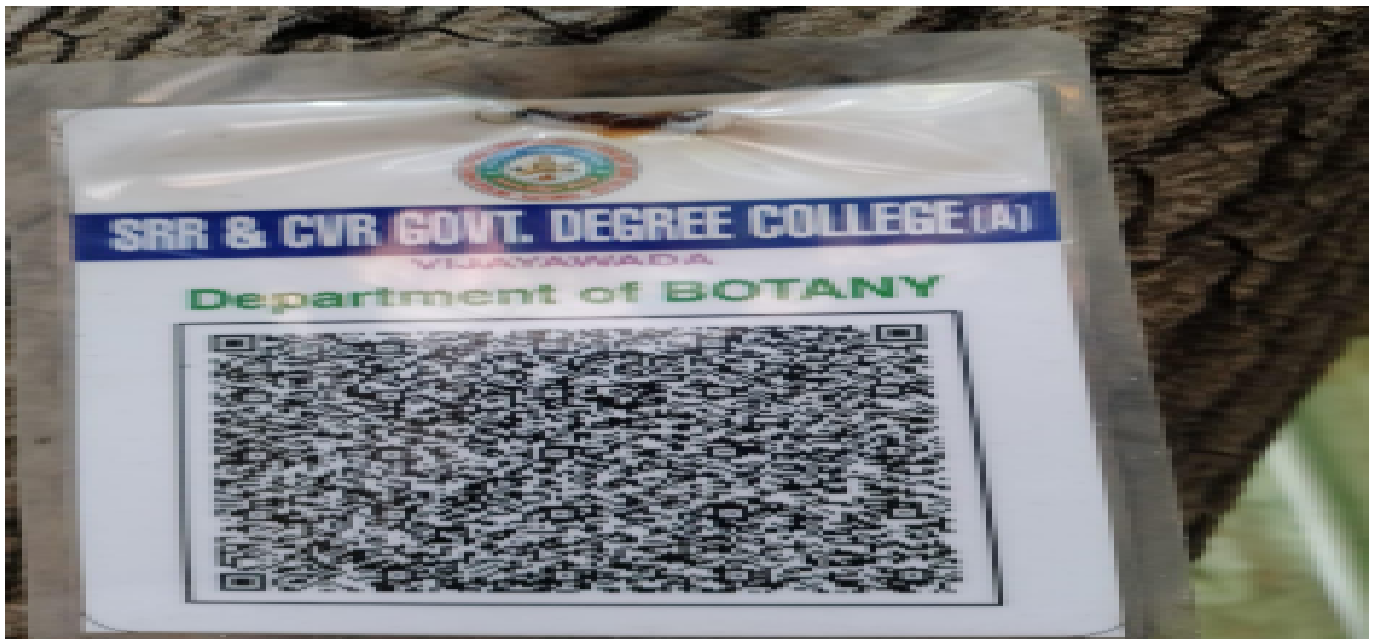
The college grounds also has an herbal garden with different varieties of medicinal plants. Other than these, there are many different types of plants, like flowering plants from nearly 30 Families .

The Department of Botany generated QR codes and displayed them on the plants. Anyone with a smartphone can download a QR code scanning app, scan the code and see the scientific name and family of the plant. After finding basic information , there is massive amounts of information one can find on the internet .

QR Codes are damage resistant and can resist slight damage up to 30%. This is especially useful in a wear-and-tear environment. QR Codes are readable from any direction. That is, even if you place a QR Code upside down, it will still be scannable. Latest QR Coding technology allows us to scan from LEft to right also .

Plant details were mentioned in the QR code in some plants so that one can know the plant details and also help in Plant Conservation .

In future the department of Botany is going to link QR Code to important details about the plant including plant care tips, fertilizers to be used, how and when to prune it, and what ailments is the plant prone to and some interesting facts about the plant or parent family.



**QR CODE TAGGED TO TREE**

## QR code generator sites

[www.qrfy.com](http://www.qrfy.com)

[www.qrfy.com/gr-code-generator/](http://www.qrfy.com/gr-code-generator/)

[www.ne.qr.com](http://www.ne.qr.com)

[www.scanovia.io](http://www.scanovia.io)

[www.qr-code-generator.com](http://www.qr-code-generator.com)

[www.producthunt.com](http://www.producthunt.com)

Bulk vcard QR Code generator



**Department of Botany Faculty and students Tagging Trees in the college campus.**

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