



## **CRITERIA 7.2.1**

### **BEST PRACTICES**

## **GOVERNMENT VICTORIA COLLEGE, PALAKKAD**



## GOVT. VICTORIA COLLEGE, PALAKKAD

### BEST PRACTICES IMPLEMENTED IN THE COLLEGE DURING YEAR 2020-21

# QR CODING OF PLANTS IN THE CAMPUS

During 2020-21, the Department of Botany implemented an extensive QR coding of plants within the institution. This innovative project aims to revolutionize the way we interact with plant specimens and provide enhanced access to botanical information.

QR (Quick Response) codes are two-dimensional barcodes that can be scanned using smartphones or specialized scanners, enabling instant access to digital content. The Botany Department has recognized the potential of QR codes in providing detailed information about plant specimens, facilitating seamless data retrieval, and enhancing the overall learning experience for students and researchers.

QR coding of the plants was done with the following objectives:

- **Enhanced Plant Information:** Each plant specimen within our collection will be assigned a unique QR code, linking it to a digital database. This database will contain comprehensive information such as species name, taxonomic classification, habitat, growth patterns, medicinal uses, and other relevant details. Researchers, students, and visitors can access this information by simply scanning the QR code using their smartphones or scanning devices.
- **Real-time Updates:** The digital database associated with the QR codes will be regularly updated to ensure the accuracy and relevance of the information. As new discoveries are made or additional research is conducted, the QR codes will provide the most up-to-date data, ensuring users have access to the latest botanical knowledge.
- **Seamless Accessibility:** QR codes eliminate the need for manual searching or consulting printed material to obtain plant information. By scanning the QR codes, anyone can access the digital database instantly, enabling quick and efficient retrieval of plant-related

information. This accessibility promotes self-directed learning and encourages curiosity among students and enthusiasts.

- **Educational Applications:** QR coding of plants opens up new possibilities in botanical education. Students can use their smartphones to scan QR codes during field trips, plant identification exercises, or laboratory sessions, instantly accessing relevant information about the plants they encounter. This hands-on approach fosters interactive learning and deepens understanding of plant biology and ecology.
- **Research Collaboration:** QR coding of plants facilitates collaboration among researchers, both within our department and beyond. By sharing QR-coded plant information, researchers can easily exchange data and findings, promoting interdisciplinary research and the advancement of botanical knowledge.

The implementation of QR coding of plants represents a significant step forward in our department's mission to enhance botanical education, research, and engagement. We anticipate that this initiative will greatly benefit our students, researchers, and the broader community interested in plant sciences.





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*Lagerstroemia speciosa*

Lythraceae

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*Pongamia pinnata*

Leguminosae



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പേപ്പലം

*Pterocarpus marsupium*

Papilionaceae

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*Azadirachta indica*

Meliaceae



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