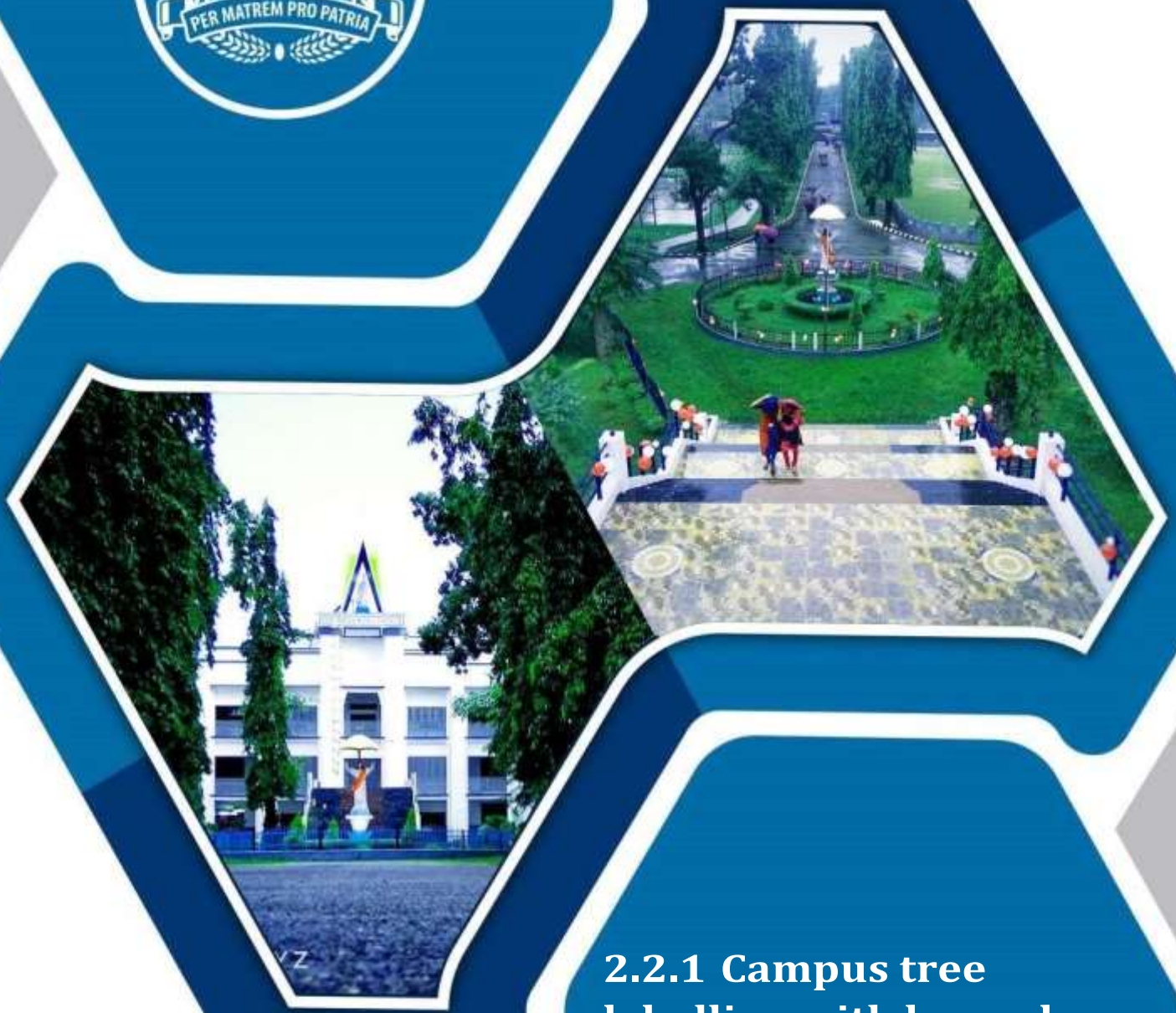
FATIMA MATA NATIONAL COLLEGE

AUTONOMOUS

(Reaccredited with 'A' Grade by NAAC)
Affiliated to University of Kerala



2.2.1 Campus tree labelling with barcode

IQAC INTERNAL QUALITY ASSURANCE CELL

Campus tree labelling with barcode

Fatima Digital Garden Project: A Digital Exploration of Botanical Diversity

Fatima Digital Garden Project, initiated by the Internal Quality Assurance Cell (IQAC) in collaboration with the Post Graduate and Research Department of Botany, is a significant endeavor to digitalize the campus flora of Fatima Mata National College (FMNC). This innovative project aims to create a comprehensive digital database of plants within the campus, leveraging Quick Response (QR) codes for easy access to information.

Project Overview: The primary objective of the Fatima Digital Garden Project is to create a user-friendly and informative platform that allows students, faculty, researchers, and the general public to explore and learn about the diverse plant species present within the college campus. The project is housed on the Department of Botany's website, under the title "e-Garden," accessible through the URL: http://botany.fmnc.ac.in/garden/.

The QR codes are generated based on this database and these codes are incorporated along with the Plant Lables. The database provides the botanical details of the plant species including the nomenclatural status. It also has further information related to the distribution, uses and potentials and also links to different plant databases rgarding the specific plant species. The first phase of the project is getting operational. The QR codes generated so far are listed below-

Tel: +474-2744387, +91-9048121411, +91-9048121811 | itsupport@fmnc.ac.in Go to Main Website

FATIMA MATA NATIONAL COLLEGE

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e-Garden

Home > e-Garden

Fatima Digital Garden Project

The plants in the Campus are provided QR Codes, which will be labelled on the plants concerned. The database is maintained at the FMNC Digital Garden Project page. The database is self-explanatory, which includes the botanical details of the plants, photographs, points of interest both for a student of botany and a layman. The page incorporates URL's to detailed information on the plant.

View

Acacia mangium Willd

View

Artabotrys odoratissimus

View

Azadirachta indica

View

Calotropis gigantea

View

Cananga odorata

View

cassia fistula

View

Citrus maxima

View

Dalbergia latifolia Roxb

View

Gmelina arborea

View

Kleinhovia hospita L

View

Lantana camara

View

Melia azedarach

View

Murraya paniculata

View

Phyllanthus emblica L

View

Polyalthia longifolia

View

Albizia saman

Project Implementation: The implementation of the Fatima Digital Garden Project involves the following key steps:

1. Campus Flora Digitalization: The Post Graduate and Research Department of Botany spearheaded the digitalization process. Botanical experts, faculty members, and students collaboratively identified and documented the diverse plant species present on the campus.

2. QR Coding of Plants: Each plant within the campus was provided with a unique QR code label. These QR codes serve as digital links that lead users to detailed information about the specific plant in the digital database.

3. Creation of the e-Garden Database: The digital database of plants is hosted on the Department of Botany's website. The e-Garden presents an organized and easily navigable platform where users can access a wealth of botanical information about each plant.

e-Garden Features: The e-Garden website offers a range of features and functionalities, making it a valuable resource for students, researchers, and nature enthusiasts:

1. Plant Profiles: Each plant species within the campus is featured in a dedicated plant profile. The profiles include detailed botanical information, such as scientific names, common names, family, and origin.

2. Photographs: High-quality images of the plants, including leaves, flowers, and fruits, accompany their respective profiles. These visuals aid in plant identification and appreciation of their beauty.

3. QR Code Scanning: Users can scan the QR codes labeled on the plants to instantly access the corresponding plant profiles on the e-Garden website using their mobile devices.

4. Search Functionality: The e-Garden incorporates a search feature that allows users to find specific plant species or explore plants based on various criteria.

5. Educational Resources: The website offers supplementary resources on plant diversity, conservation, and other botanical topics to enrich users' knowledge.

Impact and Significance: The Fatima Digital Garden Project has had a notable impact on the campus community:

1. Enhancing Botanical Knowledge: The e-Garden serves as an educational tool, expanding students' knowledge about plant diversity, taxonomy, and ecological importance.

2. Accessibility and Awareness: The QR-coded plant labels and digital database make information about campus flora easily accessible to all, promoting environmental awareness.

3. Research and Conservation: Researchers and students can utilize the e-Garden for academic research, data collection, and conservation efforts.

"Manager Rev. Fr. Anil Jose inaugurates the Digital Garden project on 7th June 2021, ushering in a new era of botanical exploration and technological innovation at Fatima Mata National College."


Polyalthia longifolia