

GDC FALAKNUMA
DEPARTMENT OF BOTANY
BEST PRACTICE

Title of the Practice – QR Coding of Plants

Objectives –

- To create awareness of the flora in our college campus.
- To make a survey and collect data of the flora.
- To attach the plant information to quick response code.
- To visualise the plant information through quick response code using QR scanner.
- To inculcate digital taxonomic study for identifying plants and to know their importance with an ease.

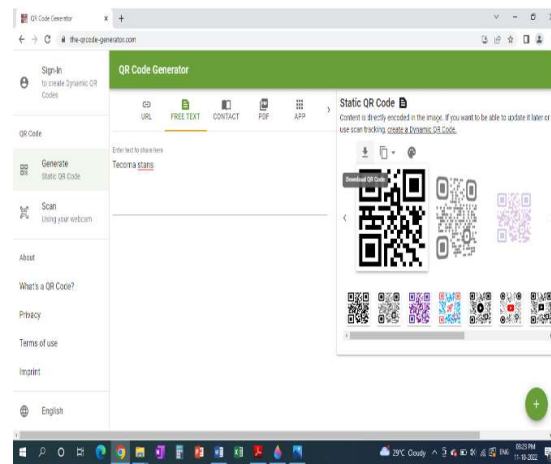
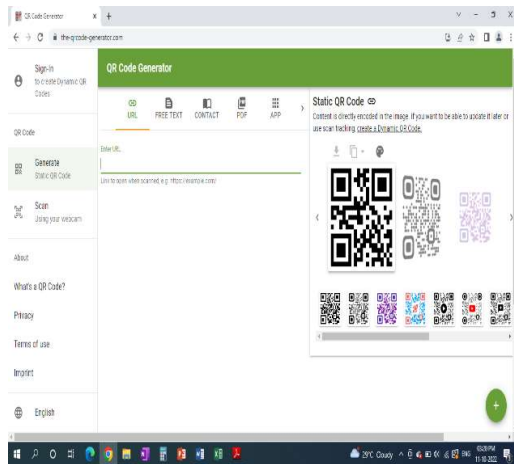
Context -

Students hardly find time to learn through books. There was a need to make students study about the plants by using attractive digital methods. The flora in the college campus were identified and information of plants is given in the form of quick response code.

These codes give students all the information they need to know about the plants from its scientific name to its medicinal value .They only need to put their smartphones to use. The days of scanning voluminous books seem to be over.

Practice –

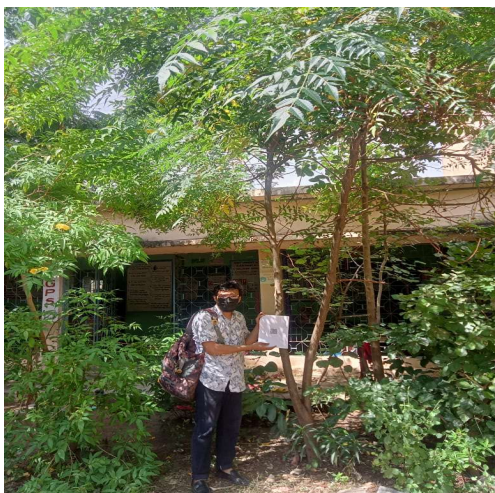
Students were assigned the duty to make survey of plants in the college campus. During survey the students were given the basic information and asked to collect some more information about plant including their botanical names, a few characters and their medicinal value. Once students have got all these information students were taught to generate a Quick Response code using QR code generator app. The students were explained how to create QR Codes and their printouts were taken and attached to the trees and plants. Students were explained to install the QR Code generator as well as QR Code scanner in their smart phones which are online free apps. Once the QR code is scanned of a plant by using QR code scanner they got the text information of that particular plant including all the particulars uploaded in QR Code.



Evidence of success

With my guidance students actively participated in conducting survey of flora and in gathering information of them. They could successfully install the QR Code generator app and QR Code scanner app in their smart phones.

Students were very enthusiastic and participated actively in generating QR Codes of the existing plants in the campus as well as the plants planted during Harithahaaram programmes. Students were explaining to their friends of commerce stream and arts stream about QR Coding method and shared their experiences and knowledge with them.



Problems Encountered –

One of the constraint is we don't have our own building.

Our college campus does not have proper secured compound wall.

We have school and junior college in our college premises some of the students and the people from neighbouring areas pose problem to the plants planted and also for the QR Codes labelled to the plants.

Heavy rains also are threat for the plants and QR labels.

Sources required –

Continuation of this practice requires funds for fencing, maintenance of gardener, water facility and for preparation of labels.

Students require mobile data for generating QR Codes and Scanning Codes


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