

Best Practices for the year 2019-20

Best Practice - I

- 1. Title of the Practice: Quick Response Code to Identify Plants online.**
- 2. Objectives of the Practice** To design and implement a user friendly Tree identification online repository for G.S.S. campus, using open source smart technology.
- 3. The Context:** Students and People while walking in the college campus, avenue, gardens, see the beauty of trees, plants, flower, fruits etc., And wonder what to call the? Although many trees and plants are noticed daily but are difficult to identify. So there needs to be an easy way of identifying them.
- 4. The Practice**

We have developed a QR code (quick response) system for tree in the campus, using an open source technology, where people can scan the unique QR code tagged on each tree in the campus and get its full information available online, including common name, scientific name, characters, significance etc. This will be the first time in Karnataka, where such open source technology is used in public space, in college campus for awareness. This would be a pioneering step towards smart digital campus, and also save as a case study for other institutions in the future.

5. Evidence of Success

The student without the life science background is also able to understand the name of plant and its information in detail, quickly after scanning the QR code from mobile

6. Problems Encountered and Resources Required

For QR code to function there should be android mobile with internet Facility, compulsory to scan and get the information. If Internet is not available, we cannot scan the code to get information.

Best Practice - II

1. **Title of the Practice: Know Me Corner.**
2. **Objectives of the Practice:** To encourage students and create interest in identifying plants and knowing its importance. The students will practice to identify one plant daily.
3. **The Context:** Know me corner is practiced in department of botany and zoology. The staff will display one plant twig having flowers and details of that plant like Family, taxonomic characters and its importance is displayed on the sheet. The students will observe and get information regarding the plant daily.
4. **The Practice:** The P.G. and U.G. Botany and Zoology students will observe the plant displayed on the table. The students will acquire the knowledge about classification, Identification, general taxonomical characters and its importance in detail. In this practice the students of the department will get the knowledge of a plant daily.
5. **Evidence of Success:** By this practice the students of both U.G and P.G are now perfect in Identification, classification and the taxonomic characters of Plants. Due to this practice the students have developed the skill of plant identification, classification and taxonomic characters. This practice has helped P.G. Botany students for Taxonomic projects.
6. **Problems Encountered and Resources Required:** Flowering plants are not easily available in all the season.