

Name of the technology : **Mobile App on Non-FCV tobacco**

Year (s) of development : 2022 - 2023

Technology details

Technology transfer brings modern and advanced agricultural practices that can lead to increased crop yields, better resource utilization, and overall improved productivity. The most important and neglected area of the present extension system is its limited ability to integrate different kinds of technologies. As a result, farmers adopt such technologies in isolation. Therefore, an arrangement has to be evolved by the extension system for selection and integration of technologies. Information and Communication Technology (ICT) tools facilitates communication and collaboration among individuals and organizations. There are several ways in which ICT contributes to agriculture and one among them is the Mobile Apps which provides easy accessing of information and services to farmers. Mobile Apps helps farmers to access real-time information about weather conditions, market prices, crop diseases and agricultural best practices. This information empowers them to make informed decisions about planting, harvesting and selling their produce. With this background, ICAR-CTRI initiated the development of an android based mobile application of Good Agricultural Practices (GAP) of Non-FCV tobacco. This app ensures quick and seamless access to vital information and empowers the farmers to adopt scientifically-backed methods and enhance their ability to achieve the desired yields.



This app was developed in Android studio environment using Java and XML languages. The content management of this software consists of complete information about eleven Non-FCV tobacco types. Various frames of this app consists of information about the areas where these tobacco are cultivated in India, research infrastructure, varieties released, good agricultural practices encompassing the soil & climate, nursery management, field crop management and post-harvest management practices. This App acts as a decision tool by providing comprehensive solutions to the farmers for taking decisions in right time to optimize the resources, hastening the production cycle which helps in achieving the higher productivity thereby the farm income. This app was hosted in Google Play Store with URL <https://play.google.com/store/apps/details?id=com.nonfcv.mapplcation>.

Impact of the technology

Non FCV Mobile App was installed in 100+ devices. It is an icon based system which provides complete information on all types of Non-FCV tobacco and their good agricultural practices. It is first of its kind to develop a mobile app on Non-FCV tobacco which acts as a decision tool for the farmers, researchers and stake holders.



Publication / Commercialization

- Copyright obtained (SW-17633/2023) from Government of India.

Investigators / Developers

C. Chandrasekhara Rao, H. Ravisankar, M. Sheshu Madhav, B. Krishna Kumari and T. Anuhya Jayapradha