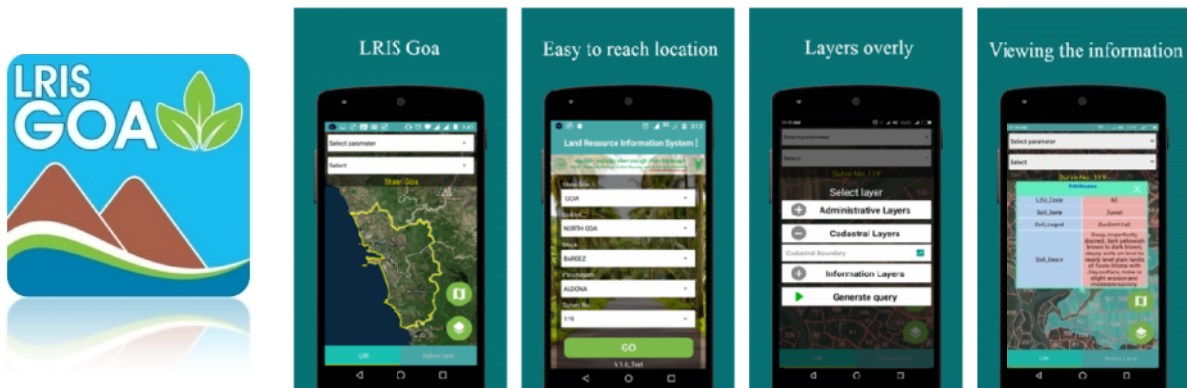


## ICAR-NBSS&LUP developed “LRIS Goa” a mobile app for the farming community of Goa

9<sup>th</sup> January 2018, Nagpur

ICAR-National Bureau of Soil Survey & Land Use Planning is engaged in inventorizing land resources for the betterment of the farming community since its inception. Development of an android based mobile GIS application (LRIS Goa) on Land Resource Information of Goa is a testimony to this activity. The app was launched by the Hon’ble Chief Minister of Goa Shri Manohar Parrikar in the presence of State Agriculture, water resource minister and secretary at the world soil Day. The app is capable of visualizing, disseminating, sharing and also data mining of the land resources of Goa in a digital manner. It derives information from the Bhoomi Geoportal (<https://www.nbsslup.in> bhoomi; <https://ncog.gov.in/SIS>) and stores information on land resources of the state for their easy access by users for agricultural development. The LRIS of Goa has information on: Administrative layers (State Boundary, District Boundary, Taluka Boundary, Panchayat Boundary); Landscape ecology units; Soil resources; Fallow lands; Command area, Drainage system, other reference layers and Existing and proposed soil & water conservation measures. The novelty of the app is that the client users can view and quarry the information at plot/ cadastral number basis; thereby reaching out to the farmers in a more realistic way. The app can locate the user’s location on hierarchical drop down selection basis or else the GPS enable location tracking is also inbuilt in the app. The real time GPS based tracking allows the user to collect information while on the go. This also contains quarry module which allows users (especially planners) to interact and generate dataset of their requirement for better land use planning. It is also equipped with two Add on Modules that would generate soil health card information and suggested land use plan for the state. This app will benefit the goan farmers, state govt. planners and executors. The app will be updated at regular intervals based on the technological developments as well as user’s feedback. This indeed will be the part of Digital India platform. The dedicated research team comprised of Dr. S. K. Singh, Dr. S. Chattaraj, Dr. V. Ramamurthy and Mr. V. Thakare has developed the “LRIS Goa” app. The operating steps in this app are displayed below:



This app can be downloaded from the Google play store at free of cost:

(<https://play.google.com/store/apps/details?id=com.goalris>)