**F-Suite**

-Suite as a Service

The Students of Rajalakshmi Engineering College have emerged victorious in a 24 hr hackathon that took place at Rajalakshmi Institute of Technology from 27 July to 28 July 2018 , titled SAACHACK. They have developed an end-to-end functional suite that encompasses of services and modules to enhance the productivity of the farmer to a greater extent. The salient provisions or modules of the application are multitude; Firstly, an awareness simulator thataims at issuing real time notifications of any beneficial scheme and announcements for the farmer put forth by the government. Secondly, a profit escalator proffers precise recommendations for the crop to be sown to maximise the profit are propounded, based upon the deployment of predictive models trained over mammoth amount of crop and farming related data collected over a period of time, in addition to contemplations about the features/conditions of the farm.Further support is extended till the harvest by periodically suggesting the kind of fertilisers to be used, weather predictions to plan in advance and other farming assistance. The applicationemploys video analytics mechanism through a deep learning model which brings in painstaking attention to details about the farm constituents, mainly for the purpose of identifying the crop disease, soil condition and accordingly suggesting prophylactic techniques in order to ameliorate the condition of the crops. All these services that the application is equipped with, are made easily procurable to the farmers, through the application’s native language support in both text as well as voice.