# Ideation:

Internet of Things (IoT) plays a crucial role in smart agriculture. According to this project Smart farming is an emerging concept, because IoT sensors capable of providing information about their agriculture fields. The paper aims making use of evolving technology  IoT and smart agriculture using automation. Monitoring environmental factors is the major factor to improve the yield of the efficient crops. The feature of this paper includes monitoring temperature and humidity in agricultural field through sensors using chip. Camera is interfaced with to capture images and send that pictures through MMS to farmers mobile using Wi-Fi.

Smart agriculture is a farming system which uses IoT technology. This system increases the quantity and quality of agricultural products. IoT devices provide information about nature of farming fields and then take action depending on the farmer input.An IoT based advanced solution for monitoring the soil conditions and atmosphere for efficient crop growth is presented. The developed system is capable of monitoring temperature, humidity, soil moisture level using Node and several sensors connected to it. Also, a notification in the form of SMS will be sent to farmer's phone using Wi-Fi about environmental condition of the field.So the ideation of the Project is  we identify current and future trends of IoT in agriculture and highlight potential research challenges.