In this project, we are going to build a Smart farming system using IOT. The objective of this project is to offer assistance to farmers in getting live data (Temperature, Humidity, Soil moisture, Soil temperature) for efficient environment monitoring which will enable them to increase their overall yield and quality of products. It helps the farmers in monitoring different parameters of his field using some sensors. Farmer can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field.