**Optimization of Drip Irrigative Practices**

Drip Irrigation is an irrigation method in which the area of irrigation is limited to the root of the crop being cultivated to the crop optimally. It delivers water and nutrients as well as pesticides to protect the plants more efficiently. As of now, it is a labour intensive process as continuos monitoring of the levels of water and soil nutrients need to take place. These conventional methods are also expensive to implement. There exists a high capital involved. Hence we decided to optimize the process using an IOT Device to decrease the labour dependency by automatically monitoring the levels of nutrients using sensors to detect them. Also we intend to implement smart dispensation of water, nutrients and pesticides by detecting the type of soil using sensors and optimizing the flow of water and nutrients.