HACKATHON

INTELLIGENT FARMING SYSTEM

PROBLEM DESCRIPTION

In Tamil Nadu, 70 percent of the state's population is involved in agricultural activities. The major crops sown in Tamil Nadu are rice, pulses, cotton, sugarcane, tea, coffee, and coconut. Agriculture Production goes down when Water scarcity persists leading to poverty. The period of water scarcity comes when fewer workers on the field necessitates doing some root cause analysis. Also, the excess irrigation, as well as lesser irrigation, damages the agricultural production that causes great loss to the farmers and landowners. Transferring knowledge to the farmer on the amount of irrigation adds value to their production. The prime challenge is the "Lack of inputs on bringing ML/AI-based solutions"

AI-based solution accounts for considering the weather forecast, soil characteristics, and atmosphere characteristics
System should be reliable and practical.