



U T K R A N T I 5.0

Theme : Agricultural Technology and Rural Development

Problem Analysis :-

Participants are needed to formulate a Problem Statement that deals with the Event Theme and come up with a Solution to it. The main focus remains to solve real-world problems through the implementations of technical solutions. Below are mentioned few simple examples for better understanding.

Example 1 : Detecting, monitoring & identifying people & animals entering and exiting an operational field or farm.

Example 2 : Connecting local vendors with consumers for better transparency in the supply chain.

Example 3 : Development of biodegradable and smart packaging materials/systems.

Example 4 : Monitoring & management of water quality, soil fertility, crop growth, forecast and rainfall prediction.

Example 5 : Crop and livestock health monitoring and disease detection.

Example 6 : Smart/Cost effective waste management and treatment for rural areas.

The theme supports projects from ECE, CSE, IT, BET and various branches.

Note : Participants have the freedom of choosing problem statements away from the prescribed theme unless their problem statement is unrealistic.

Marking Scheme :-

The project will be scored on behalf of the following conditions. The team that satisfies majority of the conditions has a greater probability of acquiring the winning position.

- Uniqueness of the solution
- Technology stack used
- Real-world feasibility of the solution
- Simplified solution of a complex problem