

PROBLEM STATEMENT

- 1) Automatic irrigation system regular interval of time [I]**
- 2) Controlled sunlight for plants
- 3) Irrigation with climatic considerations
- 4) Moisture controlled irrigation [II]**
- 5) Prevent crops from insects
- 6) Crop protection in excess rain by draining water [III]**
- 7) Preventing crops from locusts
- 8) Alarming the farmer -> animals and birds invade the crops [IV]**
- 9) Overall monitoring the field status
- 10) Cattle monitoring and management
- 11) Climate controlled farming
- 12) Predictions: crop harvesting time, the risks of diseases and infestations, yield volume