NALAYATHIRAN

TEAM NAME : ASPIRANTS

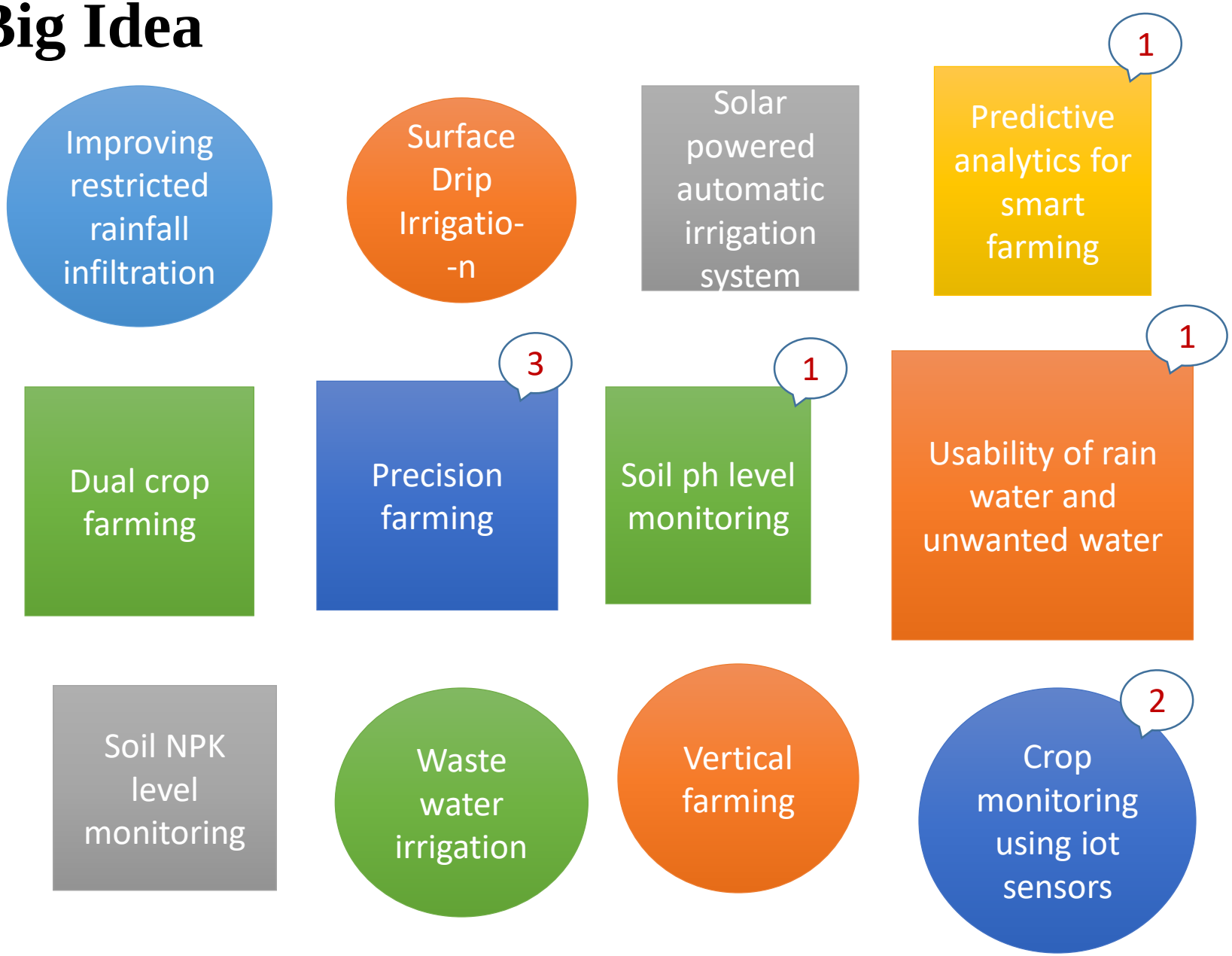
TEAM ID : PNT2022TMID49497

PROBLEM STATEMENT

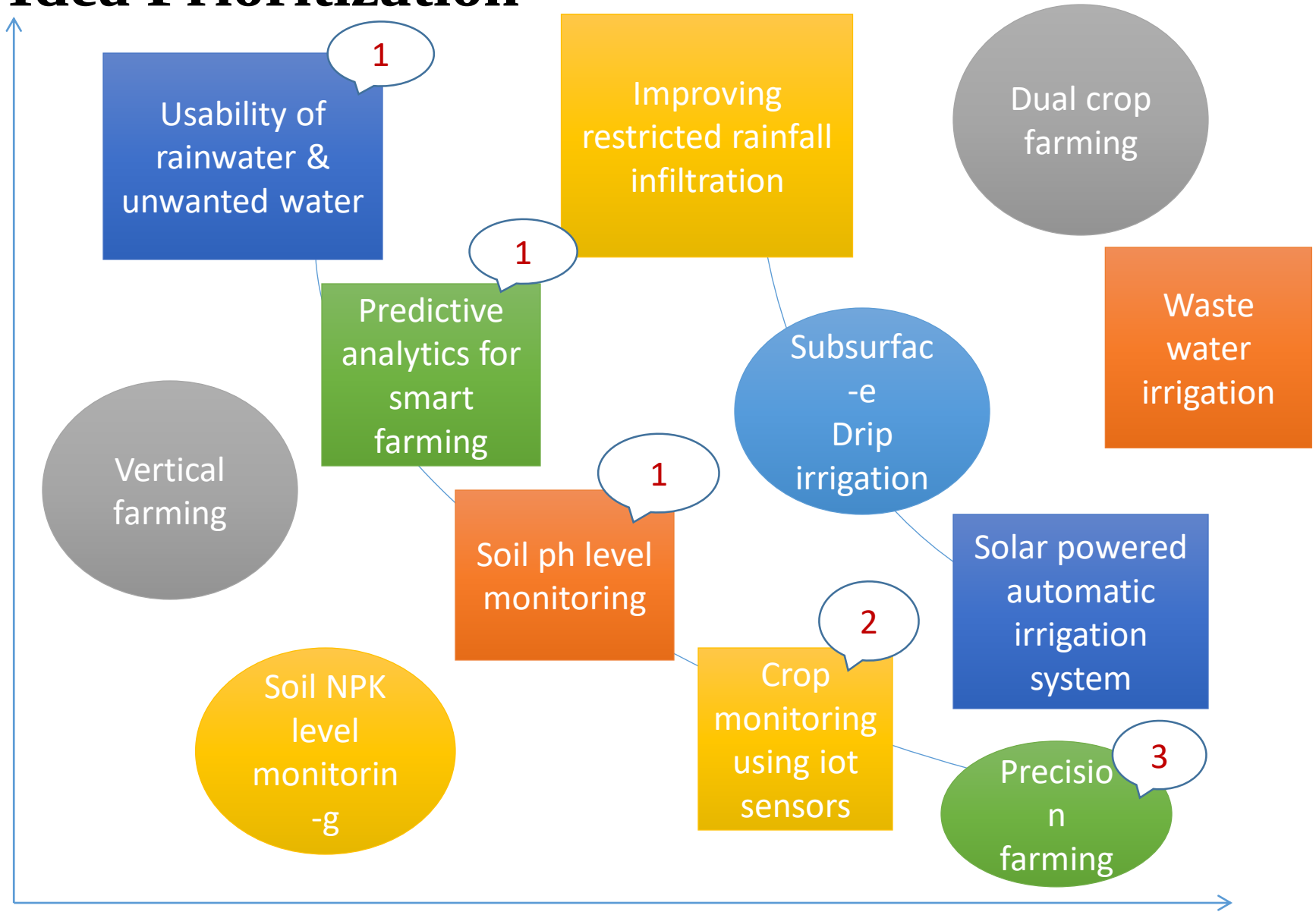
Title : Smart Former - IOT Enabled Smart Farming Application

- The growth of the global population coupled with a decline in natural resources, farmland,and the increase in unpredictable environmental conditions leads to food security is becoming a majorconcern for all nations worldwide.
- To achieve this objective, we discuss the vision of IoT-enabled smart agriculture to improve the quantity and quality of agricultural products.
- IoT devices provide information about nature of farming fields and then take action depending on the farmer input.

Big Idea


Improving restricted rainfall infiltration
Surface Drip Irrigatio--n
Solar powered automatic irrigation system
1
Predictive analytics for smart farming
Dual crop farming
3
Precision farming
1
Soil ph level monitoring
1
Usability of rain water and unwanted water
Soil NPK level monitoring
Waste water irrigation
Vertical farming
2
Crop monitoring using iot sensors

Idea Prioritization



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THANK YOU

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