SMART AGRICULTURE

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ABSTRACT:

Smart agriculture is a farming system which uses IoT technology. This emerging system increases 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.

PROBLEM STATEMENT :
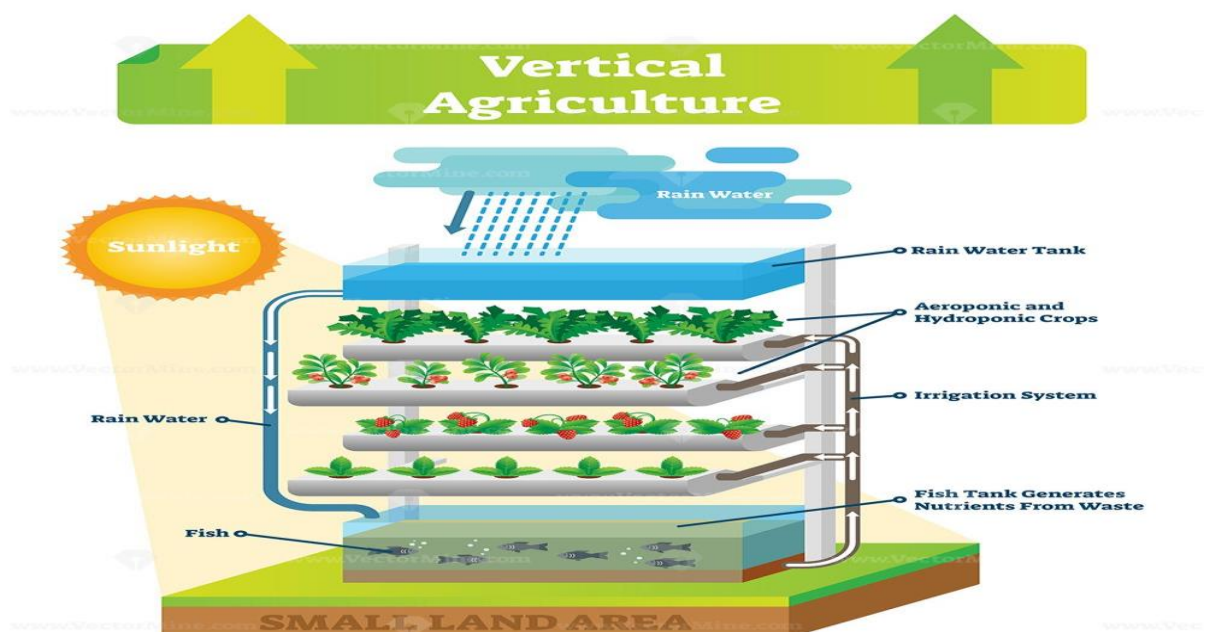
1.TEA INDUSTRY

2.LIVESTOCK

3.SMART GREEN HOUSE GASES

4. DETECTION AND ANALYSING PARAMETERS OF MILK

5.FISH FARMING AND BREEDING

BLOCK DIAGRAM:

1. VERTICAL FARMING:

Material and Components of Vertical Farm

Commercial urban agriculture can be made more sustainable because it can reduce irrigation water waste by 40-60% and increase yields by 3-4 times when hydroponically nutrient-rich water is stored and reused in automatic and climate-controlled buildings . Although the use of this technology in indoor VF will be more costly due to the use of artificial materials, the cost will be higher due to the use of local material However, in , the authors indicated it is also possible to make commercial UF sustainable and profitable by using smart technologies

Technologies in Smart Vertical Farming

VF is a state-of-the-art technology that has given an open scope to modern farming in a rural environment and range . The aim of this study, sincerity towards USVF and the use of technology, have invented this new type of agricultural thinking. The Electronics of 40 agriculture industry could be further developed by employing new technologies in the era of modernization.