# Technology in Agriculture and Crop Disease Detection

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**Abstract***: The United Nations Food and Agriculture Organiza-tion states that world population is going to increase 2.1 billion in 2050.As the technology is rapidly increasing, the technologies like AI, ML and IOT used in many fields, similarly these technologies are used in the field of agriculture sector, food sector. This paper consists of AI and ML methods are used in the farming as agriculture sector. And many optimal solutions are giving by these technologies that will help farmers for cultivation and finding the strength of the soil and crop disease detection, various processes are used to identify the disease in the crop. The current paper throws a vision of how diverse agriculture can be fulfilled using the technology*

**Keywords:** Artificial Intelligence(AI), Machine Learn- ing(Supervised, un-supervised, Reinforcement), Deep learning,IOT, Agriculture, Disease detection

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