**PROJECT OBJECTIVES**

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| Team ID | PNT2022TMID23566 |
| Project Name | IoT Based Smart Crop Protection System for Agriculture |

The main goal of this project is to optimize various farming processes by utilizing information related to them. The goal is to provide product quality and quantity while increasing human labour productivity. Alternatively, producing more food with less money and the same quantity of land. Smart agricultural technology mostly consists of IoT and robots. Farmers may use these tools to monitor agricultural conditions without having to go out into the field. They can then make decisions for the entire farm, a lot, or even a single plant. Our concept is not limited to large agricultural operations. It may also aid small enterprises such as family farms and organic farms. The entire farming process is software managed and sensor-monitored, resulting in cheaper overall pricing, higher overall yield, better quality, and, ultimately a better consumer experience. Automation has increased manufacturing efficiency, quality, and sustainability significantly.