**VSB Engineering College,karur-639111**

**Project Design phase – I**

**Problem Solution fit**

### Project name: IoT Based Smart Crop Protection System for Agriculture

**. Team Id :** PNT2022TMID33498

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| **1.Customer segments:-**  Farmers are the customers who are unable to protect the crop field from any damage (like insects ,animals..) for 24 hours. | **6.Customer constrains:-**  The constraints that the customer facing while they are not in farm land , at that time insects affect the crops . | **5.Available solutions**  The solutions we proposed are use of IOT technology sensors to detect and protect the crops from damage and it makes high quality crops. |

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| **2.Jobs to be done :-**  Using new technology like IOT to protect crop yields from damage for 24 hours. | **9.Problem route cause:-**  Due to inability to protect diseases caused by any insects,animals etc in traditional farming , the farmers facing the consequences. | **7.Behavior:-**  Protect the crops while no one is in farm land by using new technology IOT(INTERNET OF THINGS). |

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| |  | | --- | | 3.Triggers:-  Some of the triggers are advertisements in the television and information from experts. |   4.Emotions:-  By their traditional technique it lower their crop yields after using IOT it makes their high quality crops and more yield. | **10.Solution**:-  Farmers are unable to protect the crops from many damages that are caused naturally or artificially and yield poor quality crops.Using IOT we suggest how to use the sensors to detect and protect the farm land and produces a high quality crops. | 8.Channels of behavior:-  With help of an various online channel farmers can know how to use this product to protect the farm lands. |