# Project Planning Phase

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

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| Date | 22 October 2022 |
| Team ID | PNT2022TMID20340 |
| Project Name | Emerging methods of early detection of forest fire |
| Maximum Marks | 8 Marks |

# Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Download data set | USN-1 | The data is downloaded from the Kaggle website and then the data set is classified into training and testing images. | 10 | High | S.Vijaya Preetha  S.Arun Prasath  Ponmaran  Muthu Akalya |

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| Sprint-2 | Training image | USN-2 | In this training phase the ImageDataGenerator arguments is applied to the training images and the model is tested with several images and the model  is saved. | 20 | High | S.Vijaya Preetha  S.Arun Prasath  Ponmaran  Muthu Akalya |
| Sprint-3 | Testing image and prediction | USN-3 | In this testing phase the Image processing techniques is applied to the testing images and executed for prediction. | 20 | High | S.Vijaya Preetha  S.Arun Prasath  Ponmaran  Muthu Akalya |
| Sprint-4 | Video analysis  ,Sending Alert message and web application | USN-4 | In this phase video is given as input and fire is detected when the fire is detected alert message is sent using twilio service and a frontend application  is created. | 20 | High | S.Vijaya Preetha  S.Arun Prasath  Ponmaran  Muthu Akalya |