

Project Planning Phase

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

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|---------------|--|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID49514 |
| Project Name | Project – Gas Leakage Monitoring and Alerting System |
| Maximum Marks | 8 Marks |

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

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|--|-------------------|---|--------------|----------|---|
| Sprint-1 | Analysing the gas leakage | USN-1 | The owner who wants to save his employees or a person who wants to save their family from explosion takes necessary actions | 2 | High | M.dhavamani M.brindha T.S.madhumitha M.muthusoviya |
| Sprint-1 | Preventing from explosion | USN-2 | The fire officers worries about any explosions due to gas leakage which may cause many death | 1 | High | M.dhavamani M.brindha T.S.madhumitha M.muthusoviya |
| Sprint-2 | To detect the gas leakage | USN-3 | The owner can take necessary steps by deploying gas detectors in their surroundings | 2 | Low | M.dhavamani M.brindha T.S.madhumitha M.muthusoviya |
| Sprint-3 | Testing and training of the model device | USN-4 | The programmer can design an gas leakage detection model by training the dataset | 2 | Medium | M.dhavamani M.brindha T.S.madhumitha M.muthusoviya |
| Sprint-4 | Notification | USN-5 | The gas leakage detected by the model can be notified using SMS or alarming system | 1 | High | M.dhavamani M.brindha T.S.madhumitha M.muthusoviya |

Project Tracker, Velocity & Burndown Chart: (4 Marks)

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|----------|--------------------|----------|-------------------|---------------------------|---|------------------------------|
| Sprint-1 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

