

Project Planning Phase

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

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|---------------|--|
| Date | 10 February 2025 |
| Team ID | LTVIP2026TMIDS54583 |
| Project Name | Exploratory-Analysis-Of-RainFall-Data-In-India-For-Agriculture |
| Maximum Marks | 5 Marks |

Sprint - 1

Product Backlog, Sprint Schedule

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|---|--------------|----------|--------------|
| Sprint-1 | Rainfall Data Module | USN-1 | As a user, I can view past rainfall data (10+ years). | 3 | High | Team |
| Sprint-1 | Rainfall Data Module | USN-2 | As a farmer, I can see rainfall trends and predictions. | 5 | High | Team |
| Sprint-1 | Weather Monitoring | USN-3 | As a user, I can check climate and temperature changes. | 3 | High | Team |

Sprint - 2

Epic: Rainwater Harvesting & Water Management

| Sprint | Functional Requirement | USN | User Story | Story Points | Story Points Completed (as on Planned End Date) |
|----------|------------------------|-------|--|--------------|---|
| Sprint-2 | Rainwater Harvesting | USN-4 | As a farmer, I can learn rooftop rainwater harvesting methods. | 3 | High |
| Sprint-2 | Solar Pump Integration | USN-4 | As a farmer, I can access solar pump irrigation guidance. | 4 | Medium |
| Sprint-3 | Groundwater Monitoring | USN-4 | As a user, I can check groundwater levels. | 3 | High |

Sprint – 3

Sustainable & Advanced Solutions

| Sprint | Functional Requirement | USN | User Story | Story Points | Story Points Completed (as on Planned End Date) |
|----------|---------------------------|-------|--|--------------|---|
| Sprint 3 | Desalination Info | USN-7 | As a user, I can understand desalination methods for water scarcity. | 3 | Medium |
| Sprint 3 | Moisture Harvesting | USN-8 | As a user, I can learn about harvesting water from air. | 3 | Low |
| Sprint 3 | Tree Plantation Awareness | USN-9 | As a user, I can view benefits of planting trees. | 2 | Medium |