

## **Initial Project Planning Template**

| Date          | 29 July 2025                                |
|---------------|---|
| Team ID       | XXXXXX                                      |
| Project Name  | Global Food Production Analysis (1961-2023) |
| Maximum Marks | 4 Marks                                     |

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

Use the below template to create a product backlog and sprint schedule

| Sprint   | Functiona l Requirem ent (Epic) | User Story<br>Number | User Story / Task                                     | Story<br>Points | Priority | Team Members   | Sprint Start<br>Date | Sprint End<br>Date<br>(Planned) |
|----------|---------------------------------|----------------------|---|-----------------|----------|----------------|----------------------|---------------------------------|
| Sprint-1 | Data<br>Preparati<br>on         | SCRUM-13             | Import the Global Food<br>Dataset into Power BI       | 3               | High     | Piyush Kanojia | 21/07/25             | 22/07/25                        |
| Sprint-1 | Data<br>Preparati<br>on         | SCRUM-14             | Explore dataset columns and understand data structure | 2               | Medium   | Piyush Kanojia | 21/07/25             | 22/07/25                        |
| Sprint-1 | Data<br>Preparati<br>on         | SCRUM-15             | Filter and retain useful rows including FAO and World | 1               | Low      | Piyush Kanojia | 21/07/25             | 22/07/25                        |
| Sprint-2 | Data<br>Modeling                | SCRUM-16             | Format data types (e.g., year, value, entity)         | 3               | High     | Piyush Kanojia | 23/07/25             | 24/07/25                        |
| Sprint-2 | Data<br>Modeling                | SCRUM-17             | Remove or handle missing/null values                  | 2               | Medium   | Piyush Kanojia | 23/07/25             | 24/07/25                        |
| Sprint-2 | Data<br>Modeling                | SCRUM-18             | Rename columns for clarity (e.g., Entity → Country)   | 1               | Low      | Piyush Kanojia | 23/07/25             | 24/07/25                        |



| Sprint-3 | DAX        | SCRUM-19 | Create DAX measure for     | 3 | High   | Piyush Kanojia | 25/07/25 | 26/07/25 |
|----------|------------|----------|----------------------------|---|--------|----------------|----------|----------|
|          | Measures   |          | total crop production      |   |        |                |          |          |
| Sprint-3 | DAX        | SCRUM-20 | Create DAX measure for     | 2 | Medium | Piyush Kanojia | 25/07/25 | 26/07/25 |
|          | Measures   |          | top crop by year           |   |        |                |          |          |
| Sprint-3 | DAX        | SCRUM-21 | Create DAX measure for     | 2 | Medium | Piyush Kanojia | 25/07/25 | 26/07/25 |
|          | Measures   |          | crop share (%)             |   |        |                |          |          |
| Sprint-4 | Dashboar   | SCRUM-22 | Create bar chart by crop   | 3 | High   | Piyush Kanojia | 27/07/25 | 28/07/25 |
|          | d Visuals  |          | production                 |   |        |                |          |          |
| Sprint-4 | Dashboar   | SCRUM-23 | Create line/area chart for | 2 | Medium | Piyush Kanojia | 27/07/25 | 28/07/25 |
|          | d Visuals  |          | year-wise trends           |   |        |                |          |          |
| Sprint-4 | Dashboar   | SCRUM-24 | Create donut chart for     | 1 | Low    | Piyush Kanojia | 27/07/25 | 28/07/25 |
| •        | d Visuals  |          | latest year crop share     |   |        |                |          |          |
| Sprint-5 | Interactiv | SCRUM-25 | Add slicers for year and   | 3 | High   | Piyush Kanojia | 28/07/25 | 28/07/25 |
| _        | ity & UX   |          | country/entity             |   |        |                |          |          |
| Sprint-5 | Interactiv | SCRUM-26 | Add tooltips and hover     | 1 | Low    | Piyush Kanojia | 28/07/25 | 28/07/25 |
| _        | ity & UX   |          | interactivity              |   |        |                |          |          |
| Sprint-5 | Interactiv | SCRUM-27 | Test filters and visual    | 2 | Medium | Piyush Kanojia | 28/07/25 | 28/07/25 |
| -        | ity & UX   |          | synchronization            |   |        |                | , ,      |          |
| Sprint-6 | Final      | SCRUM-28 | Clean layout and align     | 2 | Medium | Piyush Kanojia | 29/07/25 | 29/07/25 |
| op:      | Dashboar   |          | visuals properly           |   |        |                | , ,      | , ,      |
|          | d Polish   |          |                            |   |        |                |          |          |
| Sprint-6 | Final      | SCRUM-29 | Add dashboard title and    | 1 | Low    | Piyush Kanojia | 29/07/25 | 29/07/25 |
| •        | Dashboar   |          | description summary        |   |        |                | , ,      | , ,      |
|          | d Polish   |          |                            |   |        |                |          |          |
| Sprint-6 | Final      | SCRUM-30 | Export dashboard and       | 3 | High   | Piyush Kanojia | 29/07/25 | 29/07/25 |
| _        | Dashboar   |          | submit final               |   |        |                | ' '      |          |
|          | d Polish   |          | documentation              |   |        |                |          |          |



| Sprints  |                               |
|--|-------------------------------|
| □ ∨ ♦ SCRUM-1 Data Preparation   |                               |
| ☐ SCRUM-13 Import the Glo DONE   Control  Co |                               |
| ☐ SCRUM-14 Explore datase DONE   Control  Co |                               |
| SCRUM-15 Filter and retai DONE   |                               |
| □ ∨ ♦ SCRUM-2 Data Modeling  |                               |
| ☐ SCRUM-16 Format data ty DONE   Control  Co |                               |
| ☐ SCRUM-17 Remove or han DONE   ©  |                               |
| ☐ SCRUM-18 Rename colum DONE   Column DONE COLUMN  |                               |
| □ ∨ ♦ SCRUM-3 DAX Measures   |                               |
| ☐ SCRUM-19 Create DAX me DONE   Control  Con |                               |
| ☐ SCRUM-20 Create DAX m DONE    Output  Done  SCRUM-20 Create DAX m  |                               |
| ☐ SCRUM-21 Create DAX me DONE    ONE   |                               |
| □ ∨ ♦ SCRUM-4 Dashboard Visuals  | Today Weeks Months Quarters > |
| SCRUM-22 Create bar cha DONE   |                               |