SMART SORTING : TRANSFER LEARNING FOR IDENTIFYING ROTTEN FRUITS AND VEGETABLES

DATE	20-02-2026
TEAM ID	LTVIP2026TMIDS90622
PROJECT NAME	SMART SORTING : TRANSFER LEARNING FOR IDENTIFYING ROTTEN FRUITS AND VEGETABLES
MAXIMUM MARKS	1 MARKS

5.4 - Team Management Tools for Agile Planning

What is Jira?

Jira is an Agile project management and issue-tracking tool developed by Atlassian. It supports Scrum and Kanban methodologies, helping teams plan, track, and release software efficiently.

Jira Project Structure for Internship

Project Creation

Create a project with:

➢ Project Name: Internship Capstone Project

➢ Template: Scrum (Recommended)

➢ Project Type: Software Development

Issue Types Configuration

Define standard issue types:

➢ Epic – Major project phases

➢ Story – Feature or functionality

➢ Task – Smaller implementation steps

➢ Bug – Errors or defects

➢ Sub-task – Breakdown of tasks

Suggested Epics (Based on Your Milestones)

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Epic	Description
Data Collection	Dataset gathering & validation
Data Preprocessing	Cleaning & feature engineering
Model Development	ML training & evaluation
API Integration	Backend & model API
Web Integration	Frontend & deployment

Sprint Planning Structure
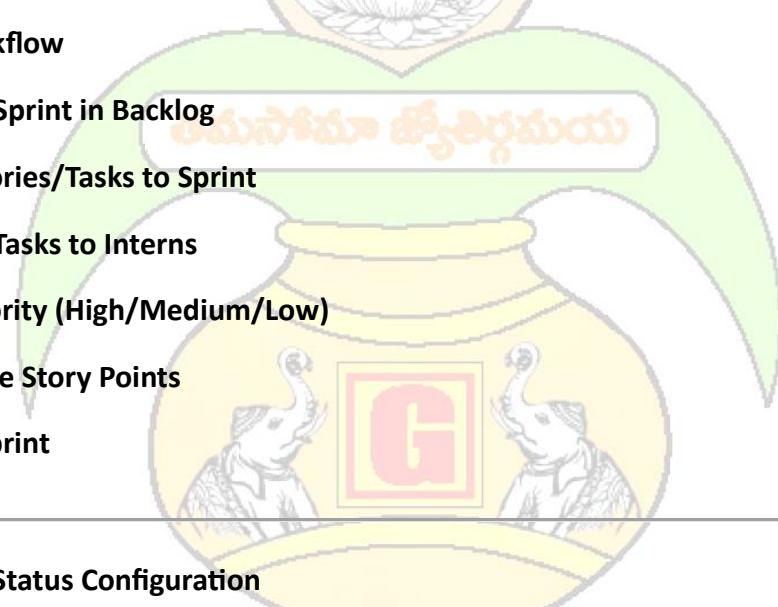
Sprint Duration

- **2 Weeks per Sprint**
- **Total: 4–5 Sprints (Project Phase)**

Sprint Workflow

1. **Create Sprint in Backlog**
2. **Add Stories/Tasks to Sprint**
3. **Assign Tasks to Interns**
4. **Set Priority (High/Medium/Low)**
5. **Estimate Story Points**
6. **Start Sprint**

Workflow Status Configuration

Customize workflow:

- ⬜ To Do
- 🔘 In Progress
- ⬜ In Review
- ⬜ Done
- 🔘 Blocked

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This ensures transparent tracking of task movement.

📊 Agile Boards in Jira

Scrum Board

Used for:

➤ Sprint planning

➤ Daily standups

➤ Tracking sprint progress

Kanban Board (Optional)
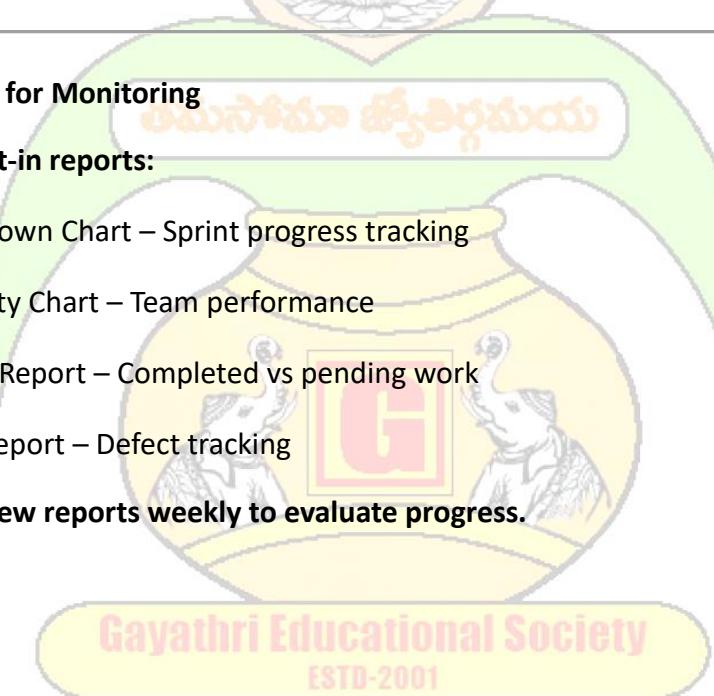
Used for:

➤ Continuous workflow

➤ API & bug tracking

☑ Agile Reports for Monitoring

Jira provides built-in reports:

➤ 📊 Burndown Chart – Sprint progress tracking

➤ ☑ Velocity Chart – Team performance

➤ 📋 Sprint Report – Completed vs pending work

➤ 🐞 Bug Report – Defect tracking

Mentors can review reports weekly to evaluate progress.

👥 Role-Based Access

Define permissions:

Role	Responsibilities
Project Admin	**Configure board & workflow**

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Scrum Master	Sprint planning & review
Developer (Intern)	Task implementation
Reviewer	Code & feature review

⬚ Daily Standup Format (Using Jira Board)

Each intern updates:

➢ What was completed yesterday

➢ What will be done today

➢ Any blockers

Tasks must be moved across workflow stages accordingly.

🔖 Integration Capabilities

Jira can integrate with:

➢ GitHub (code tracking)

➢ CI/CD tools

➢ Slack or Zoho Cliq (notifications)

➢ Confluence (documentation)

▦ Example Sprint Breakdown (2 Weeks)

Sprint Goal: Complete Data Preprocessing

Planned Stories:

➢ Clean missing values

➢ Outlier detection

➢ Feature scaling

➢ Train-test split

Expected Outcome:
Clean dataset ready for model training.

✅ Benefits of Using Jira

- ➢ Structured Agile Planning

- ➢ Clear Accountability

- ➢ Transparent Sprint Tracking

- ➢ Performance Analytics

- ➢ Real-time Status Visibility

- ➢ Industry-standard project management tool

📌 Final Outcome

By implementing Jira for Agile planning, the internship project will follow:

- ➢ Scrum-based sprint execution

- ➢ Organized backlog management

- ➢ Efficient task delegation

- ➢ Measurable progress tracking

- ➢ Professional software development workflow