

plugging into the future: an exploration of electricity consumption patterns using tableau

DATE	28-02-2026
TEAM ID	LTVIP2026TMIDS89110
PROJECT NAME	plugging into the future: an exploration of electricity consumption patterns using tableau
MAXIMUM MARKS	4 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

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Suggested Epics (Based on Your Milestones)

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

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- Done
- Blocked

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
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Project Admin	Configure board & workflow
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

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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

