

Software Engineering and Project Management Lab Experiment No. 6 & 7

Aim: To Study Agile Methodology and Test case Management using JIRA Tool & To Create Scrum Board for Scrum Master using JIRA Tool.

Theory:

Introduction to Agile Methodology

Agile methodology is an iterative approach to software development that focuses on flexibility, collaboration, and customer feedback. It follows principles from the Agile Manifesto, emphasizing working software, customer collaboration, and responsiveness to change. Agile methodologies include Scrum, Kanban, and Extreme Programming (XP).

Test Case Management in Agile

Test case management in Agile ensures that testing is integrated throughout the development process rather than being a separate phase. JIRA, a widely used project management tool, supports test case management through plugins like Zephyr and Xray. Key aspects include:

- **Creating Test Cases:** Test cases are written in JIRA to verify software functionality.
- **Executing Tests:** Test execution is tracked within sprints to ensure quality assurance.
- **Defect Tracking:** Bugs and defects are logged and linked to user stories.
- **Continuous Integration:** Automated tests can be integrated with JIRA for real-time tracking.

Creating a Scrum Board in JIRA

A Scrum Board in JIRA helps Scrum Masters manage sprint tasks efficiently. The process includes:

1. **Creating a New Scrum Project:** JIRA provides templates for Agile projects.
2. **Defining Backlog Items:** Product backlog items (PBIs) or user stories are added.
3. **Sprint Planning:** Tasks are assigned to sprints, ensuring proper workload distribution.
4. **Tracking Progress:** The board visually represents tasks in "To Do," "In Progress," and "Done" columns.
5. **Sprint Review & Retrospective:** After each sprint, progress is reviewed, and improvements are discussed.

By utilizing JIRA for Agile project management, teams improve efficiency, collaboration, and project transparency.

Implementation:

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JIRA Account Creation:

- 1) Open [atlassian.com](https://www.atlassian.com) webpage
- 2) Select products and click on Jira Software
- 3) Click on “Get it free”

The screenshot shows the Atlassian website with the following details:

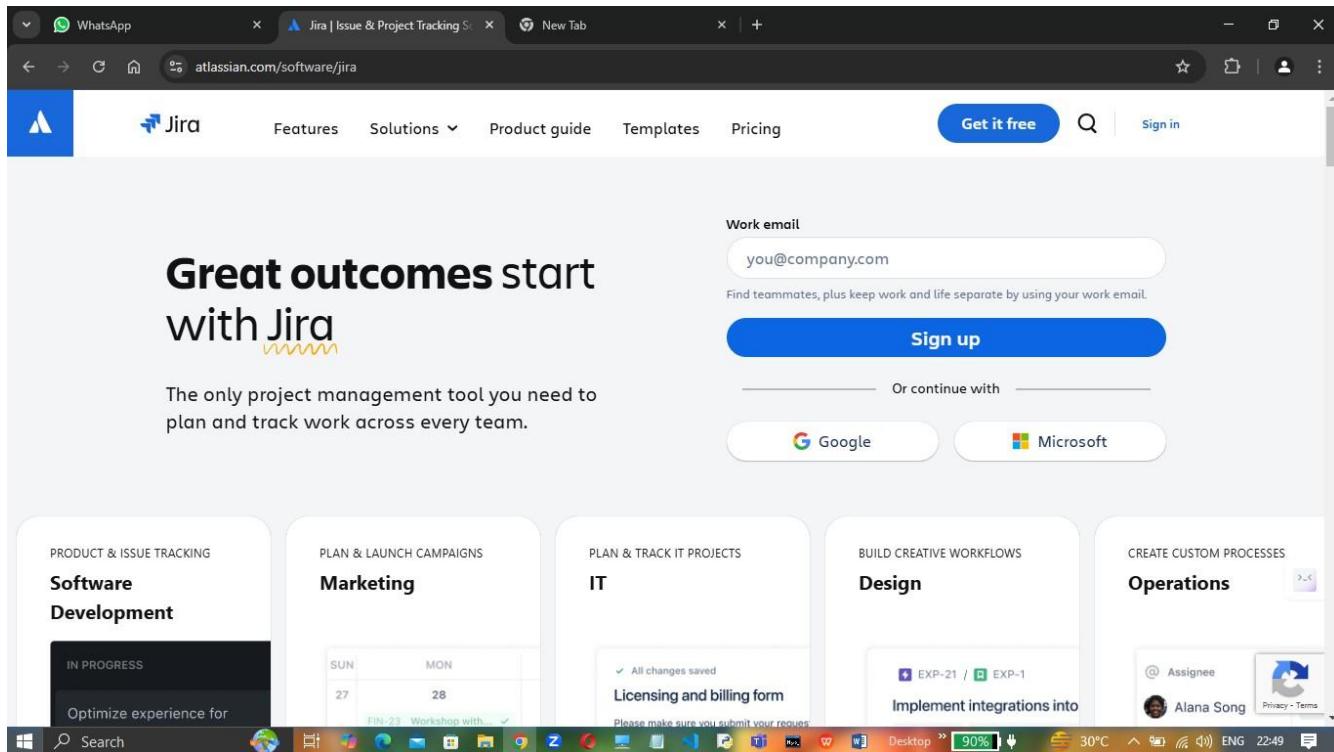
- Header:** Atlassian logo, navigation menu (Products, Teams, Why Atlassian, Resources, Enterprise), search bar, and sign-in link.
- Main Section:** Headline "The new Jira: from teams to dreams" with a "Get started" button.
- Product Categories:** Software, Product management, Marketing, Project management, Design, IT.
- Hero Image:** A large image of a person working at a desk with multiple monitors.
- Bottom Navigation:** Jira, Your work, Projects, Filters, Dashboards, People, Apps, Create, and a search bar.

The screenshot shows the Atlassian website with the following details:

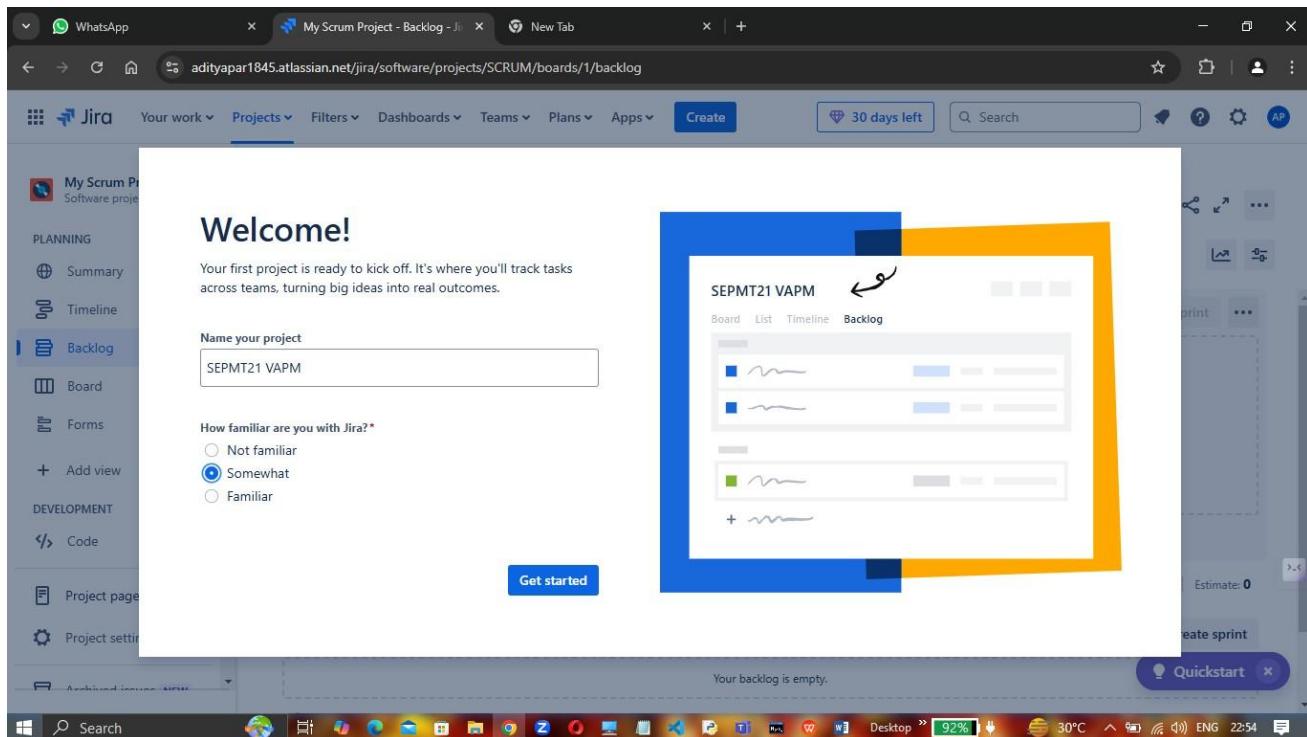
- Header:** Atlassian logo, navigation menu (Products, Teams, Why Atlassian, Resources, Enterprise), search bar, and sign-in link.
- Left Sidebar:** Featured categories: Developers, Product Managers, IT professionals, Business Teams, Leadership Teams, Software.
- Product Grid:** A grid of Atlassian products:
 - Jira: Flexible project management
 - Confluence: Knowledge, all in one place
 - Jira Service Management: High-velocity service delivery
 - Rovo: Unlock enterprise knowledge
 - Jira Product Discovery: Capture & prioritize ideas
 - Compass: Optimize software health
 - Guard: Enhanced cloud security
 - Loom: Quick, sync video updates
- Bottom Navigation:** Jira, Your work, Projects, Filters, Dashboards, People, Apps, Create, and a search bar.

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4) Select Continue with Google



6) Add project details



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7) Implement Agile and Scrum using various features of JIRA tool such as sprints, timeline, scrum board, make a team and add members,etc

The screenshot shows the Jira SCRUM board interface for the project 'SEPMT21 VAPM'. The left sidebar includes options like Planning, Backlog, and Board. The main area displays a 'Board' view with columns: TO DO, IN PROGRESS, and DONE. A large blue circular arrow icon is centered in the TO DO column. Below it, a call-to-action button says 'Get started in the backlog' with the sub-instruction 'Plan and start a sprint to see issues here.' A 'Go to Backlog' button is also present. A 'Quickstart' panel is open on the right side.

SCRUM board

TO DO IN PROGRESS DONE

Get started in the backlog

Plan and start a sprint to see issues here.

Go to Backlog

Quickstart

Backlog

Required fields are marked with an asterisk *

Project * SEPMT21 VAPM (SCRUM)

Issue type * Epic Status TO DO

Summary * 1 - Verify EMAIL Functionality

Description

Create another Create

Quickstart

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The screenshot shows the Jira project summary page for 'My Scrum Project'. The left sidebar has 'Summary' selected under 'PLANNING'. The main area displays a status overview with a donut chart showing 1 total issue, all in 'To Do' status. Below this are sections for recent activity (one item created) and types of work.

Status overview:
1 Total issues
To Do (1)
In Progress (0)
Done (0)

Recent activity:
Today
AP Adi Pro created SCRUM-1: 1 - Verify EMAIL Functionality TO DO 1 minute ago

Types of work:
Get a breakdown of issues by their types. View all items

The screenshot shows the Jira project summary page for 'My Scrum Project'. The left sidebar has 'Summary' selected under 'PLANNING'. The main area displays a status overview with a donut chart showing 7 total issues, with 6 in 'To Do' and 1 in 'In Progress'. Below this are sections for recent activity (three items created) and types of work. A notification at the bottom left indicates two new issues have been created.

Status overview:
7 Total issues
To Do (6)
In Progress (1)
Done (0)

Recent activity:
Today
AP Adi Pro created SCRUM-7: 7 - Submit report TO DO less than a minute ago
AP Adi Pro created SCRUM-6: 6 - Make report TO DO 1 minute ago
AP Adi Pro created SCRUM-5: 5 - Debug Code TO DO 1 minute ago

Types of work:
Get a breakdown of issues by their types. View all items

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The screenshot shows the Jira Summary page for the SEPMT21 VAPM project. The left sidebar includes options like PLANNING (Summary, Timeline, Backlog, Board, Forms, Goals), DEVELOPMENT (Code), and Project pages/Project settings. The main area displays a status overview with a donut chart showing 7 total issues (6 To Do, 1 In Progress, 0 Done). It also shows recent activity (Adi Pro created three tasks) and sections for Priority breakdown and Types of work.

The screenshot shows the Jira Backlog page for the SEPMT21 VAPM project. The left sidebar is identical to the Summary page. The main area shows the backlog with two sprints: SCRUM Sprint 1 (1 issue: SCRUM-2 - Verify login Functionality) and SCRUM Sprint 2 (0 issues). A third section for SCRUM Sprint 2 is shown with a placeholder message: "Plan a sprint by dragging the sprint footer down below some issues, or by dragging issues here." There is also a "Backlog (5 issues)" section and buttons for "Plan on whiteboard" and "Create sprint".

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The screenshot shows the Jira SCRUM Sprint 1 board for the project SEPMT21 VAPM. The board has three columns: TO DO, IN PROGRESS, and DONE. In the IN PROGRESS column, there is one task titled "2 - Verify login Functionality" with the key SCRM-2. A modal window titled "Sprint started" is open, stating "We've filtered the board to show your new sprint. Good luck, team!".

The screenshot shows the Jira Backlog screen for the project SEPMT21 VAPM. A modal window titled "Start another sprint" is open, prompting the user to enter details for the new sprint. The fields include:

- Sprint name: SCRM Sprint 2
- Duration: 1 week
- Start date: 02/02/2025 at 23:03
- End date: 09/02/2025 at 23:03
- Sprint goal: (empty text area)

At the bottom of the dialog are "Cancel" and "Start" buttons.

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The image shows two screenshots of the Jira software interface, illustrating the SCRUM process.

Screenshot 1: SCRUM Sprint 2 Board View

This view displays the SCRUM Sprint 2 board. The board is organized into three columns: TO DO, IN PROGRESS, and DONE. A single issue titled "3 - Sent Email" is visible in the IN PROGRESS column, which is currently labeled "1 OF 1". The board includes a search bar, filter options (Sprint 1), and various management buttons. A notification box at the bottom left indicates that the sprint has started.

Screenshot 2: SCRUM Backlog View

This view shows the project backlog. It lists several items categorized by sprint:

- SCRUM Sprint 2:** Contains one item: "3 - Sent Email" (status: IN PROGRESS).
- SCRUM Sprint 3:** Contains two items: "5 - Debug Code" (status: TO DO) and "4 - Do coding" (status: TO DO).
- SCRUM Sprint 4:** Contains zero items.

The backlog includes a search bar, filter options (Epic), and a note at the bottom encouraging users to plan sprints by dragging issues or sprints.

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The screenshot shows the Jira software interface with two tabs open: "2 sprints - SCRUM board - Scrum" and "adityapar1845.atlassian.net/jira/software/projects/SCRUM/boards/1".

Sprint 1: All sprints

- TO DO 1:** 2 - Verify login Functionality (checkbox checked, assigned to SCRUM-2)
- PLANNED:**
- IN PROGRESS 1:** 3 - Sent Email (checkbox checked, assigned to SCRUM-3)
- DONE:**

Sprint 2: SCRUM Sprint 3

- TO DO:** + Create issue
- PLANNED 2 OF 2:** 5 - Debug Code (checkbox checked, assigned to SCRUM-5)
4 - Do coding (checkbox checked, assigned to SCRUM-4)
- IN PROGRESS:**
- DONE:**

A modal window titled "Sprint started" is displayed at the bottom left, stating: "We've filtered the board to show your new sprint. Good luck, team!"

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The screenshot shows the Jira Backlog screen for the project 'SEPMT21 VAPM'. The left sidebar is collapsed. The main area displays the backlog under 'Backlog' with two issues listed:

- SCRUM-4** 4 - Do coding (Planned)
- SCRUM-6** 6 - Make report (Planned)
- SCRUM-7** 7 - Submit report (Planned)

Buttons at the bottom include 'Plan on whiteboard', 'TRY', and 'Create sprint'.

The screenshot shows the 'Start another sprint' dialog box overlaid on the Jira Backlog screen. The dialog fields are as follows:

- Sprint name:** SCRUM Sprint 4
- Duration:** 1 week
- Start date:** 19/02/2025 23:06
- End date:** 26/02/2025 23:06
- Sprint goal:** (Empty text area)

At the bottom right of the dialog are 'Cancel' and 'Start' buttons.

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The image shows two screenshots of the Jira software interface. The top screenshot displays the 'SCRUM Sprint 4' board for the project 'SEPMT21 VAPM'. The board has four columns: 'TO DO', 'PLANNED 2 OF 4', 'IN PROGRESS', and 'DONE'. Under 'TO DO', there are two items: '6 - Make report' and '7 - Submit report', both assigned to 'SCRM-6'. A modal window titled 'Sprint started' is open, stating 'We've filtered the board to show your new sprint. Good luck, team!'. The bottom screenshot shows the 'Summary' dashboard for the same project. It features a status overview donut chart showing 7 total issues (1 To Do, 4 Planned, 2 In Progress, 0 Done), recent activity feed with three entries from 'Adi Pro', and sections for priority breakdown and types of work.

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The screenshot shows the Jira Timeline view for the project SEPMT21 VAPM. The left sidebar includes options like Planning, Backlog, Board, Forms, Goals, and Project settings. The main area displays a timeline from January to March. A single sprint is visible, labeled 'SCRUM S... SCRUM Sprint 3, SC...', containing the task '1 - Verify EMAIL Functionality'. There is also a placeholder '+ Create Epic'.

The screenshot shows the Jira Board view for the project SEPMT21 VAPM. The left sidebar includes options like Planning, Backlog, Board, Forms, Goals, and Project settings. The main area displays a board with four columns: TO DO, PLANNED, IN PROGRESS, and DONE. The 'TO DO' column contains '2 - Verify login Functionality' (linked to SCRUM-2). The 'PLANNED' column contains '5 - Debug Code' (linked to SCRUM-5), '4 - Do coding' (linked to SCRUM-4), '6 - Make report' (linked to SCRUM-6), and '7 - Submit report' (linked to SCRUM-7). The 'IN PROGRESS' column contains '3 - Sent Email' (linked to SCRUM-3). The 'DONE' column contains '+ Create issue'.

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The screenshot shows the Jira interface for the project "SEPM21 VAPM". The left sidebar is open, showing options like Planning, Backlog (which is selected), Board, and Form. The main area is titled "Backlog" and features a large trophy icon. A modal window is open, titled "Complete SCRUM Sprint 1". It displays the message: "This sprint contains:" followed by a list: "• 0 completed issues • 1 open issue". Below this is a dropdown menu labeled "Move open issues to" with the option "New sprint" selected. At the bottom right of the modal are "Cancel" and "Complete sprint" buttons.

The screenshot shows the Jira interface for the project "SEPM21 VAPM". The left sidebar is open, showing options like Planning, Backlog (which is selected), Board, and Form. The main area is titled "All sprints". It shows a board with four columns: TO DO, PLANNED, IN PROGRESS, and DONE. The TO DO column has a "+ Create issue" button. The PLANNED column contains tasks: "5 - Debug Code" (under SCRUM-5) and "4 - Do coding" (under SCRUM-4). The IN PROGRESS column contains task "3 - Sent Email" (under SCRUM-3). The DONE column is empty. A notification at the bottom left says "Marked 'SCRUM-2' as Done". The status bar at the bottom shows "Desktop > 95%" and "30°C".

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The screenshot shows the Jira interface for the project "SEPMT21 VAPM". A modal window titled "Add people to SEPMT21 VAPM" is open. It contains a search bar for "Names or emails*" and a section for "or add from" with buttons for Google, Slack, and Microsoft. A purple banner in the center says "Connect and find people faster" with the text "Connect your Google, Microsoft, and Slack accounts to quickly find and add your teammates to this site." There are "OK" and "Cancel" buttons at the bottom. The background shows a board with columns "TO DO", "IN PROGRESS", and "DONE".

The screenshot shows the Jira interface for the project "SEPMT21 VAPM". The modal window titled "Add people to SEPMT21 VAPM" now displays three email addresses in the "Names or emails*" input field: "meetstudynotebook@gmail.com", "potivaiashnvi21@gmail.com", and "prasadsatpute244@gmail.com". Below the input field, there is a link to "add more people...". The "Role" dropdown is set to "Member". At the bottom right of the modal, there is a blue button labeled "Add 3 people". The background shows the same board structure as the previous screenshot.

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The screenshot shows the Jira interface for the project "SEPMT21 VAPM". A modal window titled "Added people to project" is displayed, stating: "You have added 3 people to your project and 3 new licenses have been added to Jira." It lists three users: "meetstudynotebook@gmail.com" (New to Jira), "potivashnavi21@gmail.com" (New to Jira), and "prasadsatpute244@gmail.com" (New to Jira). Below the modal, there is a "Project settings" button with an "OK" button. The main board view shows three columns: "TO DO", "IN PROGRESS", and "DONE". The "TO DO" column contains tasks like "6 - Make report" and "7 - Submit report", each assigned to specific team members (AP, MS, VP, PS). The "IN PROGRESS" and "DONE" columns are currently empty.

The screenshot shows the Jira interface for the project "SEPMT21 VAPM". The board view displays tasks across three columns: "TO DO", "PLANNED 4", "IN PROGRESS 1", and "DONE". The "TO DO" column contains tasks "6 - Make report" and "7 - Submit report", both assigned to "PS". The "PLANNED 4" column contains tasks "SCRUM-5" (assigned to "MS"), "4 - Do coding" (assigned to "MS"), "SCRUM-4" (assigned to "MS"), "6 - Make report" (assigned to "PS"), "SCRUM-6" (assigned to "PS"), and "7 - Submit report" (assigned to "AP"). The "IN PROGRESS 1" column contains a task "SCRUM-3" (assigned to "VP"). The "DONE" column is empty. At the top of the board, team member icons are shown: AP, MS, VP, PS. A "Sprint" dropdown menu is open, showing "Sprint".

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The screenshot displays two views of a Jira project named "SEPMT21 VAPM".

Top View: Scrum Board

- Left Sidebar:** Planning (Summary, Timeline, Backlog), Board (selected), Forms, Goals, Add view; Development (Code); Project pages, Project settings.
- Header:** Jira, Your work, Projects, Filters, Dashboards, Teams, More, Create, 30 days left, Search, AP icon.
- Content:** Shows a "All sprints" board with columns: O DO, PLANNED 4, DONE. A modal window titled "Recommended for your team" lists apps like Atlas CRM, Easy Agile TeamRhythm, and BigPicture.

Bottom View: Summary Dashboard

- Left Sidebar:** Planning (Summary selected), Timeline, Backlog, Board, Forms, Goals, Add view; Development (Code); Project pages, Project settings.
- Header:** Jira, Your work, Projects, Filters, Dashboards, Teams, More, Create, 30 days left, Search, AP icon.
- Content:** Shows a "Summary" card with metrics: 1 completed, 7 updated, 7 created, 0 due. Below it is a "Status overview" donut chart showing 7 total issues across four categories: To Do (0), Planned (4), In Progress (2), Done (1). Other cards include "Recent activity" (showing recent changes by user AP), "Priority breakdown" (link to https://adityapar1845.atlassian.net/jira/software/projects/SCRUM/list?filter=updated...), and "Types of work" (Get a breakdown of issues by their types, View all items).

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The screenshot shows the Jira Timeline view for the SEPMT21 VAPM project. The left sidebar includes options like Planning, Backlog, Board, Forms, Goals, Add view, Development, Code, Project pages, and Project settings. The main area displays a timeline from February 3rd to 21st. A single sprint is visible: SCRUM Sprint 1 (Feb 4-9), SCRUM Sprint 3 (Feb 15-16), and SCRUM Sprint 4 (Feb 17-21). An epic titled "SCRUM-1 1 - Verify EMAIL Functionality" is listed under SCRUM Sprint 1. A "Create Epic" button is also present. The bottom navigation bar includes Today, Weeks, Months, Quarters, and a date range selector.

The screenshot shows the Jira Summary view for the SEPMT21 VAPM project. The left sidebar includes options like Summary, Timeline, Backlog, Board, Forms, Goals, Add view, Development, Code, Project pages, and Project settings. The main area features a Priority Breakdown chart showing work distribution across six priority levels (Highest to Lowest). It also includes sections for Team workload (showing work distribution for Adi Pro, Meet Study, Prasad Satpute, and Vaishnavi V. P.), types of work (Task: 83%, Epic: 17%, Bug: 0%, Story: 0%, Subtask: 0%), and Epic progress (a placeholder for tracking larger initiatives).

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The screenshot shows the Jira Summary page for the SEPMT21 VAPM project. The main statistics are:

- Total issues: 7
- To Do (0)
- Planned (4)
- In Progress (2)
- Done (1)

Recent activity:

- Adi Pro changed the Assignee to Vaishnavi V. Poti on SCRUM-3: 3 - Sent Email TO DO 2 minutes ago
- Adi Pro changed the Assignee to Adi Pro on SCRUM-7: 7 - Submit report TO DO 2 minutes ago
- Adi Pro changed the Assignee to Prasad Satpute on SCRUM-6: 6

Priority breakdown and Types of work sections are also visible.

The screenshot shows the Jira Dashboards page. A Gantt chart titled "SEPM DEMO" is displayed, showing various tasks assigned to team members. The chart includes a legend for team icons: purple, green, blue, yellow, and orange.

The screenshot shows the "Create a plan" page. The form fields are:

- Name your plan*: SEPM DEMO
- Access*: Private
- Add work to your plan*: Board, SCRUM board, Team (optional) Select team...
- Create button

A preview of the Gantt chart from the previous dashboard is shown on the right side of the page.

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The screenshot shows the Jira Timeline view for a project named "SEPM DEMO". The left sidebar includes links for Summary, Timeline, Calendar, Program, Teams, Releases, Dependencies, and Plan settings. The main area displays a table of tasks under the "Timeline" tab. The table columns are: Issue, Priority, Start date, Due date, Status, and Progress (days). The tasks listed are:

Issue	Priority	Start date	Due date	Status	Progress (days)
SCRUM-1 1 - Verify EMAIL F...	Medium			IN PROGRESS	
Story – 6 issues					
SCRUM-2 2 - Verify login F...	Medium	04 Feb 2025	s 11 Mar 2025	DONE	
SCRUM-3 3 - Sent Email	Medium	02 Feb 2025	s 09 Feb 2025	IN PROGRESS	
SCRUM-5 5 - Debug Code	Medium	12 Feb 2025	s 26 Feb 2025	PLANNED	
SCRUM-4 4 - Do coding	Medium	12 Feb 2025	s 26 Feb 2025	PLANNED	
SCRUM-6 6 - Make report	Medium	19 Feb 2025	s 26 Feb 2025	PLANNED	
SCRUM-7 7 - Submit report	Medium	19 Feb 2025	s 26 Feb 2025	PLANNED	

This screenshot is identical to the one above, showing the Jira Timeline view for the "SEPM DEMO" project. The tasks listed are the same, with the following details:

Issue	Priority	Start date	Due date	Status	Progress (days)
SCRUM-1 1 - Verify EMAIL F...	Medium			IN PROGRESS	
Story – 6 issues					
SCRUM-2 2 - Verify login F...	High	04 Feb 2025	s 11 Mar 2025	DONE	
SCRUM-3 3 - Sent Email	Medium	02 Feb 2025	s 09 Feb 2025	IN PROGRESS	
SCRUM-5 5 - Debug Code	High	12 Feb 2025	s 26 Feb 2025	PLANNED	
SCRUM-4 4 - Do coding	Highest	12 Feb 2025	s 26 Feb 2025	PLANNED	
SCRUM-6 6 - Make report	Medium	19 Feb 2025	s 26 Feb 2025	PLANNED	
SCRUM-7 7 - Submit report	Medium	19 Feb 2025	s 26 Feb 2025	PLANNED	

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The screenshot shows the Jira Timeline interface for a project named "SEPM DEMO". On the left, there's a sidebar with options like Summary, Timeline (which is selected), Calendar, Program (NEW), Teams, Releases, Dependencies, and Plan settings. The main area is titled "Timeline" and shows a table of issues under a "Story - 6 issues" header. The table columns include Issue #, Priority, Start date, Due date, Status, and Progress (days). One issue, "SCRUM-1", is expanded to show its sub-tasks: "2 - Verify login F...", "3 - Sent Email", "5 - Debug Code", "4 - Do coding", "6 - Make report", and "7 - Submit report". A context menu is open over the "Status" column for "SCRUM-1", showing options: IN PROGRESS, TO DO, PLANNED, and DONE. The "DONE" option is highlighted with a blue border.

This screenshot is identical to the one above, showing the Jira Timeline interface for the same "SEPM DEMO" project. It displays the same story structure and context menu for the "SCRUM-1" issue, with the "DONE" status option selected.

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The screenshot shows the Jira Timeline view for the 'SEPM DEMO' plan. The left sidebar includes options like Summary, Timeline (selected), Calendar, Program, Teams, Releases, Dependencies, and Plan settings. The main area displays a table of tasks under the 'Timeline' tab. The columns are Issue, Priority, Start date, Due date, Status, and Progress (days). Tasks listed include SCRM-2 through SCRM-7, each with a progress bar indicating completion status.

The screenshot shows the Jira Calendar view for the 'SEPM DEMO' plan. The left sidebar includes Summary, Timeline (selected), Calendar, Program, Teams, Releases, Dependencies, and Plan settings. The main area displays a calendar for February 2025. Tasks are represented as colored boxes: green for SCRM Sprint 1, light blue for SCRM Sprint 2, and light purple for SCRM Sprint 3. Specific tasks like 'SCRM-2 2 - Verify login Functionality' and 'SCRM-4 4 - Do coding' are shown with their respective due dates.

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The screenshot shows the Jira Calendar view for the 'SEPM DEMO' project. The calendar spans from February 3 to March 2. Key events include:

- SCRUM Sprint 2:** Starts on Feb 4, includes tasks like 'SCRM-2 - Verify login Functionality'.
- SCRUM Sprint 3:** Starts on Feb 12, includes tasks like 'SCRM-4 4 - Do coding' and 'SCRM-5 5 - Debug Code'.
- SCRUM Sprint 4:** Starts on Feb 19, includes tasks like 'SCRM-3 3' and 'SCRM-4 4'.

The sidebar on the left provides navigation links for Summary, Timeline, Calendar, Program, Teams, Releases, Dependencies, and Plan settings.

The screenshot shows the Jira Summary view for the 'SEPM DEMO' project. It displays the following statistics:

- 1 unassigned issue
- 1 highest priority issue
- 0 overdue issues
- 0 blocked issues

A circular progress chart indicates that 17% of issues are Done. The status overview table is as follows:

Status Category	Count
Done	1 issue
In Progress	5 issues
To Do	0 issues
Total	6 issues

The sidebar on the left provides navigation links for Summary, Timeline, Calendar, Program, Teams, Releases, Dependencies, and Plan settings.

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The screenshot shows a Jira Software interface for a project named "SEPMT21 VAPM". The main view is a "Scrum board" titled "All sprints". It displays tasks across three columns: "PLANNED 2", "IN PROGRESS 2", and "DONE 1". The tasks are:

- PLANNED 2:
 - 6 - Make report (by SCRUM-6)
 - 7 - Submit report (by SCRUM-7)
- IN PROGRESS 2:
 - 5 - Debug Code (by SCRUM-5)
 - 4 - Do coding (by SCRUM-4)
- DONE 1:
 - 3 - Sent Email (by SCRUM-3)

The sidebar on the left includes links for "Board", "Forms", "Goals", "Add view", "Code", "Project pages", and "Project settings". The status bar at the bottom indicates "30 days left".

The screenshot shows the "Explore apps for Jira" page in the Jira Marketplace. The sidebar on the left includes links for "Apps", "Atlassian Marketplace", "Manage apps", "App requests", "Promotions", and "OAuth credentials". The main area displays a grid of apps:

- ScriptRunner for Jira** (BESTSELLER)
by Adaptavist
The must-have app for Jira admins of every technical background: the ultimate toolkit for unlimited automation and customisation
3.7/4 (797) 37.9k CLOUD FORTIFIED
- Xray Test Management for Jira** (BESTSELLER)
by Xblend
Native Test Management. Built for every member of your team to plan, test, track and release great software
3.5/4 (482) 32.7k CLOUD FORTIFIED
- Timesheets by Tempo - Jira Time Tracking** (SPOTLIGHT)
by Tempo Software
Tempo Timesheets: #1 Jira Time Tracking App for Project Management & Billing with Google, Slack & Outlook Integration
3.3/4 (808) 31.7k CLOUD FORTIFIED

The status bar at the bottom indicates "30 days left".

8) Version Creation

TSEC

T21

Kannya Sambari

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The screenshot shows the Jira Projects interface. At the top, there are navigation links: WhatsApp, Projects - Jira, and a search bar indicating 23 days left. Below the header is a menu bar with Jira, Your work, Projects, Filters, Dashboards, Teams, Plans, Apps, Create, and a search bar. A sidebar on the right displays a 'Templates' section with four options: Advanced IT service (TRY), Work requests (TRY), Scrum, and Top-level planning (PREMIUM). The main content area shows a table for 'Projects' with one entry: SEPM-T21LAB, Key AP, Type Team-managed software, Lead Adi Pro, and a 'More actions' button.

The screenshot shows the Jira Releases interface for the SEPM-T21LAB project. The left sidebar includes Planning (Summary, Timeline, Backlog, Board, Reports, Forms) and Development (Code, Releases, Project pages). The 'Releases' tab is selected. A central modal dialog titled 'Create version' is open, prompting for 'Name*' (version 2.0), 'Start Date' (12/02/2025), 'Release date' (16/02/2025), 'Driver' (Adi Pro), and 'Description' (This is version with better features.). Buttons for 'Cancel' and 'Save' are at the bottom. The background shows a list of releases under the 'Releases' tab.

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The screenshot shows the Jira interface for the project "SEPM-T21LAB". The left sidebar has a "Releases" section selected. The main area displays a table of releases:

Version	Status	Progress	Start date	Release date	Description	More
version 2.0	UNRELEASED	No issues	12 February 2025	16 February 2025	This is version with better features.	...

At the top right, there are "Create version" and "Give feedback" buttons. The top navigation bar includes "Your work", "Projects", "Filters", "Dashboards", "Teams", "More", and a "Create" button. A search bar at the top right shows "23 days left".

9) Creating Issues for new Version

The screenshot shows the Jira "All issues" page with a search bar and various filters. A specific issue titled "Update the database count" is being viewed. The issue details include:

- Summary:** Update the database count
- Assignee:** Prasad Satpute
- Fix versions:** Version 2.0
- Development:** Create branch, Create commit
- Reporter:** Prasad Satpute
- Automation:** Rule executions

The issue was created 7 minutes ago and updated 14 seconds ago. The activity pane shows tabs for All, Comments, History, Summarize, and Newest first. A comment input field says "Add a comment..." with options to "Can I get more info...?", "Status update...", and "Thanks...".

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10) GitHub connection

The screenshot shows the Jira Marketplace page for the "GitHub for Jira" app by Atlassian. The top navigation bar includes "Projects", "Filters", "Dashboards", "Teams", "Plans", "Apps", and a "Create" button. A notification bar indicates "30 days left". The search bar contains "Search" and a gear icon. The main content area shows the "GitHub for Jira" app card with the Atlassian logo. It displays an "OVERALL RATINGS" of 2.7/4 based on 456 reviews, "INSTALLS" of 155,211, and "TRUST SIGNALS" including "CLOUD SECURITY PARTICIPANT". Below the card, there are tabs for "Overview", "Privacy & Security", and "Support". A large call-to-action section titled "Streamline GitHub connections" features a screenshot of the Jira interface with the GitHub integration. Text below it reads: "Connect GitHub to Jira Software" and "Seamlessly integrate GitHub with Jira for a streamlined".

Conclusion:

Thus, we have successfully implemented Agile Methodology and Scrum using JIRA tool.