**Ex No: 3 JIRA Project Management using Scrum**

**Aim:** To implement project management metrics through Agile development using Scrum in JIRA project management tool

**Requirement:**

* JIRA Project Management Login
* Scrum Roles – Product Owner, Scrum Master, Development Team
* Artifacts – Product backlog, Sprint backlog, Increment, Burndown charts
* Ceremonies (sprint cycle) – Sprint planning, Daily standup, Sprint review, Sprint retrospective

**Procedure:**

Step:1 Create a login in JIRA Atlassian.com website and proceed with Scrum project management template

Step:2. Select company-managed project and access JIRA login for creating a project

Step:3. Create a project in JIRA to assign project management resources using scrum to initiate the modules

Step:4. Identify backlog and create epic and user stories in it. Add user story description with the format

As a ……..user

I want to ……. Access resources

So that I can …… activate….

Step:5. Create an acceptance criteria for the created stories with its page design and upload it in the portal

Given …

When…

Then…

Step:6. Create component called user personals and assign the task for the assigned projects

Step:7. Add issues in the user stories and assign all the values with the sprint created to execute the tasks

Step:8. Create a product backlog index and assign values to estimate the product backlogs created using Fibonacci series index

Step:9. Create a bug in the epic and identify its page by providing condition in the description for the bug.

Step:10. Assign the timing and task to each component and complete the work on time. Produce burndown report for the completion of projects to each of the sprint

**Conclusion:**

Thus the process of creating project management was successfully evaluated and completed with its various stages.