EXPERIMENT NO.:02

Date of Performance:

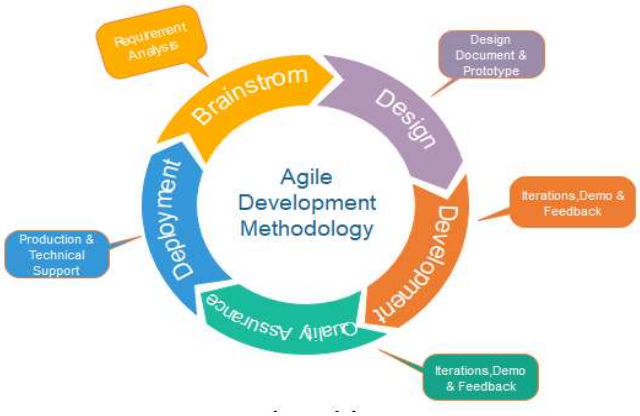
Date of Submission:

Aim: Application of the Agile process models.

Software Used: JIRA

Theory: The meaning of Agile is swift or versatile. **"Agile process model"** refers to a software development approach based on iterative development. Agile methods break tasks into smaller iterations, or parts do not directly involve long term planning. The project scope and requirements are laid down at the beginning of the development process. Plans regarding the number of iterations, the duration and the scope of each iteration are clearly defined in advance.

Each iteration is considered as a short time "frame" in the Agile process model, which typically lasts from one to four weeks. The division of the entire project into smaller parts helps to minimize the project risk and to reduce the overall project delivery time requirements. Each iteration involves a team working through a full software development life cycle including planning, requirements analysis, design, coding, and testing before a working product is demonstrated to the client.

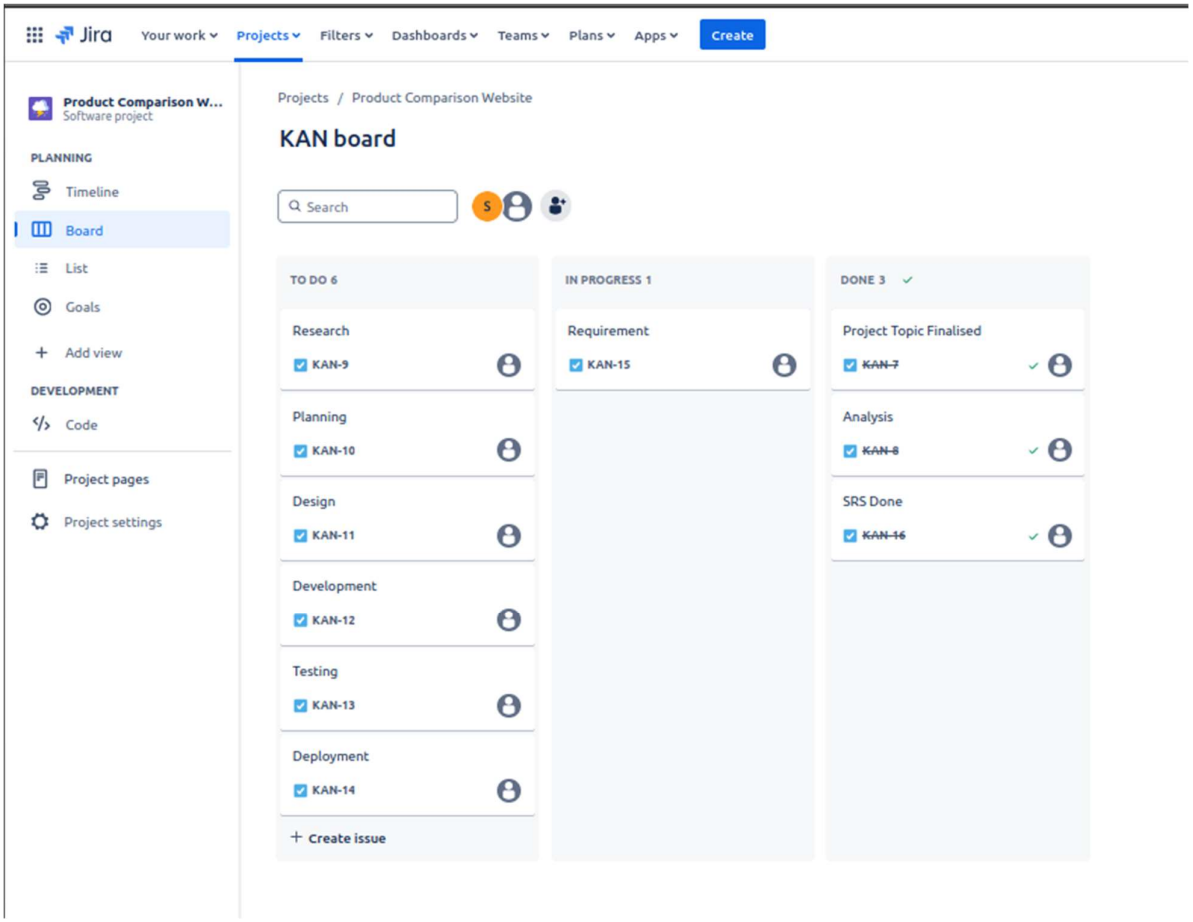


Every iteration involves cross functional teams working simultaneously on various areas like –

- Planning
- Requirements Analysis
- Design
- Coding
- Unit Testing and
- Acceptance Testing.

At the end of the iteration, a working product is displayed to the customer and important stakeholders.

Kanban methodology is based on the idea of continuous releases. Work is tracked using a kanban board that displays the statuses of work in columns and lanes. There are four important pillars to kanban to help teams ship products: continuous releases, WIP (work in progress) limits, the list of work, and columns or lanes. Here are some tools that come out-of-the-box in Jira Software's kanban template to help you run kanban with your team.



Conclusion: Agile process models enable adaptive planning and iterative development, enhancing responsiveness to change and improving project outcomes through collaboration.

Sign and Remark:

R1	R2	R3	Total Marks	Signature
(5)	(5)	(5)	(15)	