B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

January 2024 Semester End Main Examinations

Programme: B.E.   **Semester: VII**
Branch: Institutional Elective   **Duration: 3 hrs.**
Course Code: 22AM7OEJIR   **Max Marks: 100**
Course: Jira Programming

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

<div style="writing-mode: vertical-rl">**Important Note:** Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.</div>

				CO	PO	Marks
			UNIT - I			
1	a)		Define Jira. What is the benefit of using Jira? Discuss in detail.	CO 1	PO 1	**6**
	b)		Define board. Explain the two types of boards in Jira and how are they different from each other.	CO 2	PO 1	**8**
	c)		Signify the importance of filters in Jira.	CO 2	PO 2	**6**
			UNIT - II			
2	a)		Define swimlane. Illustrate swimlane configuration based on Assignees, Stories And queries.	CO 2	PO 3	**8**
	b)		What are permissions? How do Jira permissions are assigned?	CO 2	PO 2	**8**
	c)		Describe the components of the Scrum framework.	CO 1	PO 1	**4**
			UNIT - III			
3	a)		Explain the various components of the JQL syntax and provide the examples of a valid JQL query.	CO 2	PO 1	**10**
	b)		Illustrate how to map workflows to columns with the help of a suitable diagram.	CO 3	PO 3	**10**
			UNIT - IV			
4	a)		How can JQL be used to filter issues by labels, components, status, date range and priority in a project? What are some advanced JQL techniques that can be used to gain deeper insights into a project in Jira?	CO 1	PO 2	**10**
	b)		Describe the various configuration options available to Admins in Jira Automation. How it can be used to meet the specific needs of the organization and improve the efficiency of the issue resolution process.	CO 2	PO 2	**10**
			OR			

	5	a)	Illustrate the different levels of permissions available in Jira Cloud, and how do they control access to different parts of the system? Explain how to configure these permissions.	*CO 3*	*PO 3*	**10**
		b)	Illustrate how can automated actions, such as notifications and field updates, be integrated into a custom Jira workflow to further improve the efficiency and accuracy of the issue resolution process.	*CO 2*	*PO 3*	**10**
			UNIT - V			
	6	a)	Give detailed steps to create an automation that sends notifications to specific team members or groups based on certain events, such as a new issue being created or an issue being resolved.	*CO 1*	*PO 2*	**5**
		b)	What are some key Jira Automation options for Admins and discuss its benefits?	*CO 2*	*PO 1*	**10**
		c)	Provide the limitations of Jira, and how can these limitations be addressed to ensure accurate and actionable insights into the issue resolution process?	*CO 2*	*PO 1*	**5**
			OR			
	7	a)	List and explain the different types of reports used by scrum team and explain.	*CO 2*	*PO 1*	**5**
		b)	Describe the various configuration options available to Admins in Jira Automation and how can they be used to meet the specific needs of the organization and improve the efficiency of the issue resolution process.	*CO 3*	*PO 2*	**10**
		c)	How can an automation be created in Jira that automatically fills certain fields in an issue, such as the reporter or due date, based on the values of other fields?	*CO 1*	*PO 2*	**5**

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