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| **Weeks** | **Development Assessment (20)** | **Industrial Assignment (10)** |
| 1 | 1. Draw the workflow for student admission portal, identify the activities of each division. 2. How to automate admission Hall Ticket. | How to create project plan and product backlog for project and User story creation. |
| 2 | 1. Create and manage product backlog using appropriate tool like Jira. Create Sprint 1 with required user stories 2. Create UI/UX design - for created user stories using figma. | Comparison of various enterprise application development technology stacks (development, engineering, deployment, Monitoring) Security architecture and best practices in enterprise application programming. |
| 3 | 1. Create repository named mini project clone, commit, push, branch and merge in to github. 2. Deployment models of cloud. | Comparison of cloud services. How to make full stack development efficient by using DevOps. |
| 4 | 1. Create a form like registration form, feedback form, after submit hide create form and enable the display section. 2. Create and run first program in TypeScript | Briefly explain different Modern UI technologies |
| 5 | 1. Creating and running a React.js app. 2. Use of HTML tags in forms like select, input, file, textarea, controlled components, uncontrolled components | Testing single page application |