**CITC - IT Department**

Computer Laboratory Activity Form

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| Course Code | IT323 |
| Course Title | Application Development and Emerging Technology |

**Rubrics for software development Step 4-8**

Group Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Members : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| **Criteria** | **Description** | **Weight (%)** |
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| Designing the User Interface | Designing the user interface for both mobile and web, considering usability, accessibility, and responsiveness. Incorporating modern design principles and UX best practices. | 15 |
| Implementing the Web Interface | Building the web interface using HTML, CSS, and JavaScript, emphasizing responsive design and cross-browser compatibility. | 15 |
| Developing the Mobile Application | Creating a mobile app framework using React Native or Flutter, implementing core functionalities like user authentication, geolocation, and real-time communication. | 15 |
| Integrating Mobile and Web Components | Demonstrating seamless communication and data synchronization between the mobile app and web interface, implementing features for smooth switching. | 10 |
| Creating UML Diagrams (Class) | Introducing Class diagrams for system modeling, documenting the structure of the application. Emphasis on Class diagram creation. | 20 |
| Creating UML Diagrams (Sequence) | Introducing Sequence diagrams for modeling interactions between components, emphasizing Sequence diagram creation. | 15 |
| Creating UML Diagrams (Activity) | Introducing Activity diagrams for modeling workflow and business processes, emphasizing Activity diagram creation. | 10 |

Total(100%):\_\_\_\_\_\_\_\_\_\_\_\_\_

Checked by :

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