**Nithin Aleti- Project Journal**

**Team Name: Elites**

**Team Member: Nithin Aleti**

**Role: Backend and Deployment**

Sprint # 1

1. What tasks did I work on?
   * Set up the initial database schema for users including Faculty, Students, and Admins. Started setting up AWS infrastructure.
2. What do I plan to do before the next weekly Scrum meeting?
   * Finalize the AWS setup with EC2, RDS, and load balancing configurations.
3. What task blockers did I have?
   * Had difficulties configuring the RDS instances to scale properly under load.

Sprint # 2

1. What tasks did I work on?
   * Continued with AWS setup. Developed initial deployment scripts for continuous integration.
2. What do I plan to do before the next weekly Scrum meeting?
   * Begin setting up the environment for hosting the course content APIs.
3. What task blockers did I have?
   * Encountered issues with load balancer setup, leading to uneven distribution of network traffic.

Sprint # 3

1. What tasks did I work on?
   * Worked on APIs for course content and setup auto-scaling features for the deployment.
2. What do I plan to do before the next weekly Scrum meeting?
   * Test the auto-scaling and backup features extensively.
3. What task blockers did I have?
   * Faced challenges with API gateway performance, which affected the response times.

Sprint # 4

1. What tasks did I work on?
   * Focused on securing the backend infrastructure and refining the deployment process.
2. What do I plan to do before the next weekly Scrum meeting?
   * Address any security vulnerabilities identified during the recent audits.
3. What task blockers did I have?
   * Struggled with configuring secure access controls for different user roles.

Sprint # 5

1. What tasks did I work on?
   * Conducted final deployment of all APIs and databases to AWS, ensured auto-scaling and load balancing were functioning as expected.
2. What do I plan to do before the next weekly Scrum meeting?
   * Monitor system performance and address any deployment issues that arise.
3. What task blockers did I have?
   * No blockers reported.