**CS691 – Jenkins Progress Report**

**Sprint 1: Planned and Completed Tasks**

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| Planned Tasks | Completed Tasks |
| 1. Download & Install Java JDK and Jenkins 2. Jenkins Configuration:  * Install suggested plugins * Create Admin User * Install role-based authorization strategy * Configure global security. * Manage & Assign Roles  1. AWS Setup – Dev & QA VMs 2. Integration with git, java, tomcat and MySQL | 1. Downloaded & Installed Java JDK and Jenkins 2. Jenkins Configuration:  * Installed suggested plugins. * Created Admin User * Installed role-based authorization strategy. * Configured global security. * Manage & Assign Roles  1. AWS Setup – Dev & QA VMs completed. 2. Integration with git, java, tomcat and MySQL completed. |

**Sprint 2: Planned and Completed Tasks**

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| Planned Tasks | Completed Tasks |
| 1. Creation of CI/CD pipelines for Dev and Test servers 2. Configure Webhook on Git hub to trigger Jenkins Pipeline 3. Enable tasks/pipeline automation. 4. Automatically trigger deployment pipelines once code change has been done on git. | 1. Created of CI/CD pipelines for Dev and Test servers 2. Configure Webhook on Git hub to trigger Jenkins Pipeline 3. Enable tasks/pipeline automation. 4. Automatically trigger deployment pipelines once code change has been done on git. |

**Sprint 3: Planned and Completed Tasks**

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| Planned Tasks | Completed Tasks |
| 1. Configure Email Notifications from Jenkins, once the Code Deployment is completed on QA server. 2. Configure Slack Notifications from Jenkins once the Code Deployment is completed on QA server. 3. Create Jenkins job for Test Cases and create automated pipeline on QA server. | 1. Configure Email Notifications from Jenkins, once the Code Deployment is completed on QA server.  2. Configured Slack plugin in Jenkins to send notifications on QA server once Code deployment is completed.  3. Create Jenkins job for Test Cases and create automated pipeline on QA server. |