

## **PG-DHPCSA Project**

### **Title of the Project**

CI/CD Pipeline using Jenkins and infusing security by performing code quality analysis.

### **Project Description**

The Project involves the creation of a complete pipeline solution using Jenkins and other related tools such as Git, SonarQube, Nexus and Tomcat server. The Project will automate the entire development process from code development, build, to code quality analysis and deployment.

The pipeline will be created using Jenkins pipeline as it will include necessary stages namely cloning the repo, build, code review and analysis, artifact creation and deployment.

The Project will utilize Git as a version control system, SonarQube for static code analysis, Nexus for artifact management and Tomcat server for application deployment.

The goal of the project is to improve the quality of code, increase development efficiency and deploy the final product with confidence.