**Deliverables:-**

Worked on different assignments in TCG:

Created Email Service application that can be used for sending email notifications using spring, hibernate, MySQL. I developed this application for TCG team. It is bound with MicroPortal and DevOps.

Created micro service that takes HTML content and converts to PDF that can be downloaded.

Developed a new project from scratch called IMockWebServices  using MVC archietecture of Springs. Used JPA for writing Data access layer. This application was developed for TCG team as POC. It provides a repository where application user can store mock data for front end development and later can retrieve through APIs. For this application I did Research and development on Cassandra database. I installed and created Cassandra database on the testing and production server assigned to TCG for POC development. Implemented code for performing transaction between java application and Cassandra database.

Done R&D on Predix Analytics Services. Created instances on development, Stage and production environment.

Find a way to schedule and orchestrate java and python applications on analytics framework.

Done R&D and Created java and python applications that is used for analysis purpose and scheduled it. Scheduled DTRulesStandaloneApp, AnalyticalComponentForRetroFitPostQuo, AnalyticalComponentForRetroFitPreQuo and AnalyticalComponentForJavaService applications on analytics.

Worked on DigitalTwin [ILM] project under GE current. Used Java Spring Boot, PostgreSQL, JPA.

Created microservice for displaying additional graphs as per delay and total time used.

Created microservice for saving custom data. Created microservice for getting location details.

Developed an application for DigitalTwin [currently known as ILM] called MES Integration using Jackson, Smooks, JPA, java, Asset Services and Predix machine. It retrieves data from MSSQL Server applies smooks transformation and then converts to json using Jackson and then post it to postgresql database using microservice. It is then deployed on Predix machine container to run.

Did R&D work on Predix machine to create instance of Predix machine container and deploying custom application into it.

Worked for Digital Inventory project under GE current. Used Java Spring Boot, JPA, PostgreSQl. Done Walkthrough of complete flow and written microservice for bulk scanning and implemented the same.

Working on FAM [Fleet Asset management] under GE Oil And Gas. Used Java Spring Boot, OpenJPA, PostgreSQL.

Created microservice for Displaying pipelines and pipeline pop-up details.

Created microservice for CRUD operation for pipelines and related paths.

Created microservice that will sync data from Oracle to PostgreSQL database.

Reused my code for other features.

Have tested the application on developer level.

I have fixed some bugs that were identified in the project.

Pushed microservices to Cloud Foundry.