**Technical Challenge**

**Challenge 1:**

**Azur Multi Tire Pipeline:**

**It will contain the following Building blocks**

* **Dotnet web Application**
* **Dotnet core Rest API and**
* **SQL Database**

**Pre-Requisites**

* **Azure Repos**
* **Connection String for the Sql database**
* **MS-Build tools**
* **Nu-get tool**
* **Parameters for the Build pipeline.**

NuGet Installer

**Multi tire Azure Pipeline**

NuGet Restore

**Continues Integration Pipeline: CI**

MS Build

R

Copy Files

Sql Database Job

Dot Net core REST API Job

Web App Application Job

Publish

Dotnet Restore

Dotnet Build

Copy Files

Dotnet install SDK

Publish

Publish

Copy Files

Dotnet Install SDK

Dacpack