**Name: Hamza Mehmood.**

**ID: 33**

**Learning During Task:**

1. C# and its basics.
2. MVC in asp.net
3. Asp.net Core.
4. What is repository pattern.
5. What is unit of work.
6. JWT authentication.
7. Hosting API on Free hosting.
8. Auto mapper in Asp.net core.
9. Layered Architecture.
10. Tier architecture.
11. View Models In asp.net core
12. Dependency Injections.
13. Middleware.
14. Type of Services (transient, Singleton, scoped)
15. The Concept of LINQ query.
16. Basics and Understanding of Angular Structure
17. The use of JSON ignore in relations.
18. Learning How to manage ERD Diagrams in SQL Server
19. EF Power Core Tools

**Task Implementation:**

1. Login API with JWT token Generation.
2. Employee’s Details Update API.
3. Working History and Emergency Contact CRUD Implemented with employee Module. (CRUD).
4. API Tested with Angular Front end, Working History and Emergency being Added, Removed.
5. HRMS database on Local server.
6. Added Checks to all Th1e Crud Operations. (Backend).
7. Implemented Inventory Services in API.
8. Added User authorization in Employee.
9. The use of JSON ignore in relations.
10. Applying View Models to EMS