**TEAM – 2**

**ONLINE EDUCATION SYSTEM**

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**Introduction:**

Online Education System  is a procedure of gaining skills and knowledge through electronic devices like computers, mobiles, laptops, etc using the internet. Online education makes it possible for tutors or mentors to reach all the students more flexibly and teach them the relevant skills more efficiently.

 Online education is a form of education which is delivered and administered using the Internet. 20 years ago, it would've been difficult to imagine high quality instruction delivered online, but today, in the digital age, it's become a reality. Now online education, or online learning, is a broad term.

**Aim of the Project :**

* The main objective of the Online education is to manage the details of students, courses, and assignments. The website is totally built at administrative end thus only the administrator is guaranteed the access.
* To improve user-accessibility and time flexibility to engage learners in the learning process.
* To provide a chance to students living in remote areas having lesser knowledge resources to learn anything from their homes by using internet and laptops or even their smartphones.

**Technologies Used:**

* .NET Framework
* SQL Server
* Microservices (API)
* Angular

**Tools:**

* Visual Studio 2022
* SQL Management Server 2019
* Visual Studio Code

**Roles :**

* **Admin**
* **Faculty**
* **Student**

**Admin Functionalities:**

* System Admin Profile
* Admin Register/Login
* Add/Update/Delete Faculty
* Add/Update/Delete Student
* Add/Update/Delete Courses

**Faculty Functionalities:**

* Faculty Profile
* Faculty Register/Login
* Add/Update/Delete Student
* Add/Update/Delete Courses

**Student Functionalities:**

* Student Profile
* Student Register/Login
* View Courses

**Services :**

The different services in which this project is divided into are:

**Admin Service:** Admin has the admin rights and can add faculty and student.

**Faculty Service**: Faculty has been given the admin rights and can add subjects, courses.

**Student Service**: Student login to the application and can view the Courses.

**Course Service:** There are different Courses which student are belong to.

**Subject Service**: There are different subjects in each course.

**Attendance Service:** Student attendance report should be available in the system.

**Result Service:** Result service give the student result.

**Architecture Diagram:**

**Diagram

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**ER Diagram :**

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**Use Case Diagram:**

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