

## **Assignment No. 4 (Mini Project)**

Mobile Application Development

BS Computer Science, University of Gujrat.

Due Date: 13 January 2021

### **Introduction:**

In this assignment, you will be Extending your assignment 2 from local storage to remote storage using WebAPIs.

### **Following are the mandatory functionality required to be implemented**

1. Use any Database MySQL(Preferred), PostgreSQL, MS SQL Server, Oracle, etc and provide you database script file.
2. Make PHP Web Services Just follow the tutorials provided.(Preferred) or Use Laravel Framework, NodeJS, Microsoft .Net Web APIs, etc.
3. Implement APIs for
  1. User LOGIN, register and password change.
  2. User CRUD operations
  3. Application CRUD operations
  4. Any relevant data CRUD operation (e.g. Classroom, Subject, Degree, Department, Session, Scholarship etc.)

### **4. Synchronize your local storage to remote storage, by adding a column for status of application. (e.g. Uploaded, Pending)**

### **Deliverables:**

**1: Copy past the code you have written for Rest APIs and Android app in the MSWord Document with proper heading and explanation. And name it as "Assign\_4\_BSCS\_<Rollno>.docx" to upload on LMS.**

**2. Upload your code to a github account by adding three folders (Database, RestAPIs and AndroidApp ) and add link at first page of the assignment document.**

**3. Viva**