**PROJECT NAME:**

**Web Portal For CDAC (KP) Students & Teachers**

**Course Name :** EDAC Sept 2020

**SUBMITTED BY -**

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**Project Explanation:**

* Webportal for C-DAC Student-teacher management System.
* Frontpage has Gallery , Hostel and Canteen Information , Public Notification, All CDAC Colleges region wise and Courses offered by CDAC. This static information is beneficial for the students who wants to know about the institute.
* Login have 2 parts - Student and teacher Login.
* After login teacher can post public notifications, course announcements etc.
* As per course & subject teacher can view student’s doubts and reply to them, upload course material , upload video also (class recordings).
* In Student portal student can download course material, post doubt as per their course and by specific subject.
* Studentcan also see project info, announcements posted by teacher , teacher details.
* Successfully logout by teacher and Student.

**Scenario ( Query )**

* **Presentation –**

1) Student of particular course can ask asking query for specific subject.

2) Teacher can view all query by list.

3) Teacher can reply to particular query.

4) Student can view reply from teacher.

* **Controller-**

1) askquery function will take prn of student, module, query from react part and pass it to service layer. If successfully inserted in database , 200 status code will be returned.

2) viewst function takes course and subject as input parameters and acc. to it will display queries for that subject.

3) Teacher can reply to queries , function will take query id and reply as input parameters and insert data in the database.

4) Student can view all his queries , function will take prn as input parameter.

* **Service-**

1. askquery function made for student , taking 3 parameters prn,

module and query , try to insert it into the query table, if successfully done then true returned to controller.

2) viewqueryte function made for teacher , taking 2 parameters course and module and fetching list of all queries and filter them by specific course.

3) replyquery function have qid and reply parameters, reply sent by teacher will be inserted into the table.

4) viewquery function made for student taking prn as parameter where student can view his query and reply by teacher.

* **DAO-**

1)Table is made for queries. Fields – qid as primary key, prn, module, query and reply

2) First queries table will generate qid uniquely for each query.

3) Queries will go as qid,prn,module,question from student side.

4) Queries will go as qid,module,question and reply from teacher side.

**Some Scenario where got stuck during project:**

* Project idea building and arranging for independent

Data base table handling.

* React part was bit unfamiliar at start.
* Routing and switching
* Front end logic part was tricky to handle.
* File uploading and downloading part.
* Dynamic rendering in navigation bar ( subject selection )

**Learning during project:**

* Team Work & Synchronization.
* Learnt how to work with version control system (Git and Github).
* Learnt how to develop project using agile method through Scrumboard.
* Learnt how to make react components and rendering.
* Learnt how to use bootstrap classes.
* Learnt how to use session storage and local storage (login part).
* Learnt how to upload/download files (in any format).
* Junit testing , Mockito testing , smoke testing ( for stable build )