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| **Group-ID** | **Student Registration Number** | |
| G30 | 2020-CS-93 | 2020-CS-86 |
| **Project Title (Max. one line title)** | | |
| **Course Management System** | | |
| **Project Description (Min. 600 words)** | | |
| **Introduction:**  This management system will be a Java based application basically targeted towards educational institutes. The primary of this java application will be to provide a platform for seem less interactions between a student and the instructor by providing all the necessary feature set and tools required to execute these tasks.  This program will make sure that both the instructor and the student can carry out their respected tasks sufficiently without facing any difficulties. The System will consist of three basic modules with further functionalities built into each module.  **Administrator Module:**  The administrator module will provide the foundation of the program to both the teacher/instructor and as well as for the student too. The Administrator will have their own login accounts managed by administrator itself and will manage both the student’s and the instructor’s/teacher’s accounts as well. Some examples of the operations performed by the Administrator module are: Give out login info to the instructor/teacher as well as to the student. Manage credentials of both teacher and student, set the curriculum of the semester, Manage the subjects offered to students of respectable semester, manage monthly pay of the teacher/ instructor, keep the history of payrolls for record, manage the students’ academic records, manage teachers’ teaching surveys filled by the students. Send batch messages to both the teachers as well as the students for easier management and announcements. The administrator can add or remove any teacher or student at any given time, the administrator will also manage the financials of students that either the dues of a student is clear or not. This Module also provides the foundation to form the link between the other two modules which is of the instructor/teacher and the student.  **Teacher Module:**  The teacher/instructor module will provide all the required tools to the teacher/instructor to manage their respected subjects and students enrolled in their subject. Each instructor/teacher will have their own account to login to which will be created and managed by the administrator. By using this module, the teacher/instructor will be able to perform the following tasks: Enroll or remove any student on their will, mange the already enrolled students, check the attendance of any individual student, give out assignments to all the enrolled students in a batch, set timers for every given assignment or quiz. Store the evaluated marks of quizzes and push them to individual student accounts, make batch messages just like the administrator foe the students for easier management and easier communication, make student report by viewing quiz score of individual students, add or remove any enrolled student at any time according to the circumstances, check the attendance percentage of any individual student. Grade individual student for the assignments in accordance to their respected weightage, assign GPA to individual student at the end of each semester in their respected subjects.  **Student Module:**  In the student module each individual student will have its own unique login account and credentials which will be created by the administrator module but managed by both of the other two modules which is administrator module and teacher module. The administrator may access a student account to make announcements and make changes to the account settings whereas a teacher/instructor might access a student to push out assignments or update account info. A student will be able to perform the following operations within the student module: Login to the account, add or remove any course in a semester, view the GPA of individual subjects at the end of the semester. Repeat a course if the student wants, freeze semester, view assignments, view evaluation of quizzes, submit quizzes, view announcements made by teacher/instructor or the administrator  The program will also provide other essential features for course management, | | |