Problem Analysis

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| **Process Name** | **Stakeholders** | **Concern (Problems)** | **Analysis (reason of the problem)** | **Proposed Solutions** |
| Preparing a Course  Assessment | 1.Instructor 2.Student | Sending hardcopy  And softcopy  Students examination marks  And course  Assessment report  to the register office store the info  Time consumption  And delay is prime limitation. Even after storing data in the register office store, if there is any need to see the information of any student or any course performance or a particular section of high management then It is very difficult to find these. | In our existing system higher management store assessment data manually  As sending hardcopy and softcopy to the register office involve multiple  persons and different  processes, it could  easily led to confusion, loss of  important student report card. It also wastes unnecessary resources such as paper and printer. | We will create a system where Higher management will no longer have to wait for the registered office for searching particular student data. If higher management wants to find student data, specific course data, or find specific section-wise student data they can enter only student ID, Course ID, or Section ID in our new system. They will be able to see student performances in the graph shows. And they can download student information. |
| Higher Management Viewing Individual Instructor Performance | 1.Department Head  2.Dean  3.Instructor | In our existing system higher management can’t see their instructor performance digitally. Higher management see only Instructor performance send by the hardcopy of the course wise student performance report. Higher Management can’t see how many quizzes and assignment they are taken, whether he is taking regular classes, whether he is giving exam papers properly, what is the result of the student in his section, what was the result of the last semester even under that faculty and what kind of project they are maintains for specific course and prepare a projects  specification based on their course | In our exacting system higher management can only see Hardcopy for an individual instructor performance, but it's difficult for measuring a performance instructor by instructor, and it's also difficult comparing with previous semester performance because its hardworking and time consumption matter. It also wastes unnecessary resources such as paper and printer. | We will create a new system where Higher Management can see their Instructor Performance department wise, section wise, and course wise. Higher Management can download instructor performance data with graphs or charts. Then they can easily compare to each other and also compare with previous semester result in the same course. After download data Higher Management can see their performance like how many quizzes and assignment they are taking, whether instructor attend the class regularly, also see instructor class performance and class performance feedback by the student after faculty evaluation |
| |  | | --- | | Instructor viewing the CGPA and change the grade | | 1.Instructor  2.Student | In our existing system without the Higher Management, the faculty cannot see any student's CGPA and grade sheet. They only  know about the courses they have taken. Even once they upload the grade to the system, they cannot change it later. If a student's grade changes or applies for a change, the instructor has to help the Register Office and Department Head. And it takes the permission of the obsessed department head to change the grade | Now, instructor can’t see any student CGPA and grade sheet and also  If a student feels that his or her grade  has not been returned or correct, the student will apply along with the instructor. After Application Instructor Contact Department Head Than They Can Check the Script Again. If change is another grade then department head request to Register Office for Change The Grade, It's a Long Term and Hard Process Also its Time Consumption process. | We will create a new system where Higher Management and instructor can see the student CGPA and Grade sheet using student ID in this case instructors and  students should be in the same department. And also we will create a system where higher management and instructor can change the grade easily getting application from student after checking script with department head and controller of examination.  After. And instructor get permission to resubmits the grades easily using our new system. |
| Higher management and Instructor viewing OBE mark sheet and grade sheet | 1.Higher management (HM)  2.Instructor  3.Department  4.Dean/Vc | The current process of requesting the head of the department to view records for analysis and inspection can result in delays due to various problems in communication. Since the OBE Marks sheets course assessment reports and other necessary documents are only saved in softcopies (Without database management) and hard copies, it can get tedious and time-consuming to retrieve them when needed. | Due to being a hardcopy, when the Higher management wants to see each course, section, and department wise OBE mark sheet and course assessment then a lot of trouble to maintain this kind of documents, and it is also very difficult to analyze by looking at the hard copy so that the data is likely to be wrong and lost and when these data are compared with any previous data it becomes more difficult. It also wastes unnecessary resources such as paper and printer. | We will create a new system where Higher Management and instructor can see the OBE Mark Sheet, Course Assessment using their ID (Only those to whom Higher management will give permission will be able to see)  The system that we will build be there the mark sheet and course assessments will be according to the section, course, and department, and they can download them as needed. |
| Students will be able to get grades from Department instead of Instructor | 1. Department 2. Instructor 3. Student | We don't have the option to grade someone else instead of the Instructor in our system. If for some reason an instructor cannot give a grade If there is an instructor leave or something tragic happens then there is no option to continue the semester and submit a grade, unless the department manages it. | If necessary, if an instructor is on leave, then the whole matter has to be handled by the department Instead, another instructor has to be appointed and he has to explain the whole process again, it's difficult to manage in a short period of a semester. | We will create a new system where the Department Head can see the performance of the students and give them a grade for Emergency Situations. Based on their PLO & co achievement and OBE mark sheet in the Previous semester |
| Higher Management & Instructor Uploading & Viewing PLOs/CO | Higher Management (HM)  Department | In our existing system Higher Management (HM), Department Head, Dean/VC and instructor see only hardcopy PLOs and Co achievement, but its time consuming when they want to check it manually. There are many students in one section and every course has many sections and each department has many students, so a lot of student information is not possible to check manually. In this case, there is a possibility to lose data. | The current system does not support  Viewing PLOs and CO achievement. Due to which no one Instructor, Higher Management cannot see the POL & Co Achievement and student performance | We will create a new system where  Where instructors can upload Plo & Co reports, all of the higher management and instructors can see and download the data. They will be able to view this data using input Student id to the system and see Plo & co achievement of any specific student, course-wise, and section-wise. |
| Student viewing PLO & CO | 1.Student | In our existing system Student cannot see our PLOs and Co achievement. They cannot even see the hardcopy. | It is important for every student to see their Plo and co-Achievement, what course they are doing, it is important to know what did they achieved and what issues need to be improved. But it is not seen in our existing system now. | We will create a new system where Students will be able to see and download the file and they will be able to view their Plo & Co achievement and compare with the other Course. |
| UGC approves  curriculum  based on PLO and CO | 1. Higher  Management (HM)  2. UGC | HM needs to send the curriculum  booklet manually. HM needs to send the updated  Curriculum to the  Department every time. | It will take time for the UGC to receive the Curriculum booklet and process the information.  It is a hassle to send manually every time the curriculum is updated | We can transfer the  curriculum in our new system by which it could be accessed  easily by the members and it also could be edited real time by the HM and updated instantly whenever changes are required by the UGC. |