

# Course Registration Portal

## Process Description

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Unit Level Process Description	
System : <i>Online Registration Management System</i> ; DF-In : <i>3a(i)</i> DF-Out : <i>4a(i)</i>	
Process Name : <i>Physical Registration</i>	Process ID: <i>P1.1</i>
<p><i>(1) The Academic Staff provides the details of all the students.</i></p> <p><i>(2) The registration status of each student ( i.e. has the student registered physically and paid the fees)is written onto the data store DS1 : Login Details</i></p> <p><i>(3) After the Registrar collects the fees, the module is opened for that student for online course registration.</i></p> <p><i>(4)The process P1.1 Returns the list of all the students that have completed physical registration.</i></p>	

Unit Level Process Description	
System : <i>Online Registration Management System</i> ; DF-In : <i>DF-14a(i)</i> DF-Out : <i>DF-14b(i)</i>	
Process Name : <i>Login Authentication</i>	Process ID : <i>P1.2</i>
<p><i>(1) The Dean, Professors and students can login into the registration module by providing the login detail like username and password.</i></p> <p><i>(2)The software validates the entered fields and authenticates the user if the username and password matches with the Institute's records.</i></p> <p><i>(3) The user will then correct the error and resubmits the details.</i></p> <p><i>(4) If there are no errors, the process P1.2 will load the homepage of the user.</i></p>	

Unit Level Process Description	
System : <i>Online Registration Management System</i> ; DF-In: <b>DF1b(i),DF7b(i),DF5b(i)</b> DF-Out: <b>DF2b(i), DF6b(i)</b>	
Process Name : <i>Courses Registration</i>	Process ID : <b>P2.1</b>
<p><i>(1)The students can (a) View the courses taken so far or (b) View the courses available for this semester or (c) Choose the preferences for all types of elective courses.</i></p> <p><i>(2)The process P2.1 will validate each field and if there are any errors it will display same to the student If there are no errors the details will be written to the data store DS2: Registration Details.</i></p> <p><i>(3)The professor can edit pre-requisites, course descriptions and course structure. The process P2.1 will update these changes into the data store DS4: Course Details.</i></p> <p><i>(4)The Dean can (a) Available Courses or (b) Add New Course or (c) View Student's Profile.</i></p> <p><i>(5)They do so by accessing this software and choosing the option (a), (b) or (c) and filling in the necessary details.</i></p> <p><i>(6)The process P2.1 will validate each field and in case of no errors it will write the details into the data store DS4: Course Details. If there are any errors it will display the same to the details.</i></p>	

Unit Level Process Description	
System : <i>Online Registration Management System</i> ; DF-In : <b>DF5b(ii)</b> DF-Out : <b>DF6b(ii)</b>	
Process Name : <i>Add/Drop Courses</i>	Process ID : <b>P2.2</b>
<p><i>(1) Students can (a)Add Course and (b)Drop a Course</i></p> <p><i>(2)They do so by accessing this software and choosing the option (a) or (b) and filling in the course details.</i></p> <p><i>(3) In case of special, overload or repeat request, an application is sent to the Dean and details are written into data store DS7: Applications.</i></p> <p><i>(4)The process P2.2 will validate each field of the Add/Drop course option and if there are any errors, it will display the same to the student.</i></p>	

Unit Level Process Description	
System : <i>Online Registration Management System</i> ;	DF-In : <i>DF1b(ii)</i> DF-Out : <i>DF2b(ii)</i>
Process Name : <i>Application Details</i>	Process ID : <i>P2.4</i>
<p><i>(1)The students can send application to Dean in case of overload, repeat or special registration.</i></p> <p><i>(2)They do so by accessing this software and filling in the necessary application details.</i></p> <p><i>(3) The process P2.4 will validate each field and write the details onto the data store DS7: Applications.</i></p> <p><i>(4) The Dean can either choose (a)Accept or (b)Reject the application and consequently the details will be updated in the data store DS3 : Student Details.</i></p>	

Unit Level Process Description	
System : <i>Online Registration Management System</i> ;	DF-In : <i>DF-5b(ii), DF-19b</i> DF-Out : <i>DF-6b(ii),DF-19a</i>
Process Name : <i>Swapping of Courses</i>	Process ID : <i>P2.3</i>
<p><i>(1)The students can swap a course they have with another student who has a course which he/she wants.</i></p> <p><i>(2)The student with which the course has to be swapped can either (a) Accept or (b) Reject the request of the student.</i></p> <p><i>(3) This is done by accessing the software choosing the option 'Swap Course' and filling in the necessary details.</i></p> <p><i>(4) The process P2.3 validates each field and then sends the request to the other students and then writes the details into the data store DS6: Swap Courses.</i></p> <p><i>(5) If there are any errors, it will display them to the student. The student then corrects the error and re-submits the details.</i></p>	

System : <i>Online Registration Management System</i> ;	DF-In : <i>DF-5b(ii)</i>
	DF-Out : <i>DF-6b(ii)</i>
Process Name : <i>Course Allotment</i>	Process ID : <i>P2.5</i>
<p><i>(1) The Dean starts this process after Add/Drop is over</i></p> <p><i>(2) This process uses the allocation algorithm to allot the courses among the students giving preference to on the basis of year of the student.</i></p> <p><i>(3) The student's preferences are given on the availability of the seat. If number of student is greater than the seat, the process allots courses on the random basis.</i></p>	