DATA DICTIONARY - EAKADAMIK 2

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| **1st Level Process Descriptions** | |
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| **Process Name** | Login |
| **Description** | Individual's details are entered and based on that, the individual is either registered, logged in or unauthorized login. |
| **Inbound Data Flows** | Login/Register credentials |
| **Outbound Data Flows** | Approval/Disapproval |
|  |  |
| **Process Name** | Course Registration Process |
| **Description** | Registration for a particular course by student on the basis of the course details provided |
| **Inbound Data Flows** | Course Registration Credentials including course ID, course name. |
| **Outbound Data Flows** | List of Courses Offered and Approval/Disapproval regarding the Courses selected |
|  |  |
| **Process Name** | Main Registration Process |
| **Description** | Register the students, and get their personal details. |
| **Inbound Data Flows** | Students. |
| **Outbound Data Flows** | Student enrolled details. |
|  |  |
| **Process Name** | Enrollment Process |
| **Description** | Show students enrolled to the teacher. |
| **Inbound Data Flows** | Student Enrolled Database. |
| **Outbound Data Flows** | Faculty receives a student list. |
|  |  |
| **Process Name** | Marks |
| **Description** | Students receive a marks list, edited by the teacher of the course. |
| **Inbound Data Flows** | Faculty. |
| **Outbound Data Flows** | Students. |
|  |  |
| **Process Name** | Attendance |
| **Description** | Students receive an attendance list, edited by the faculty. |
| **Inbound Data Flows** | Faculty. |
| **Outbound Data Flows** | Student. |
|  |  |
| **Process Name** | Fee Deposition Process |
| **Description** | Students upload fee receipts, for the semester, which are approved by the Finance employee. |
| **Inbound Data Flows** | Students. |
| **Outbound Data Flows** | Finance. |
|  |  |
| **1st Level Data Flow Descriptions** | |
|  |  |
| **Data Flow Name** | Login Credentials |
| **Description** | Validation from the Admin on the Credentials entered |
| **From Processes** | Login |
| **To Processes** |  |
| **Data Structures** | Individual Login Credentials. |
|  |  |
| **Data Flow Name** | Student Information |
| **Description** | All details regarding students given to the Super-Admin. |
| **From Processes** |  |
| **To Processes** | Login |
| **Data Structures** | Student Details |
|  |  |
| **Data Flow Name** | Faculty Information |
| **Description** | All details regarding Faculty are given to the Login Process |
| **From Processes** |  |
| **To Processes** | Login |
| **Data Structures** | Faculty Details |
|  |  |
| **Data Flow Name** | Get Course list |
| **Description** | Student gets the list of courses as per the semester from Courses database through Course Registration Process |
| **From Processes** | Course Registration |
| **To Processes** |  |
| **Data Structures** | Course Details |
|  |  |
| **Data Flow Name** | Student Course Registration |
| **Description** | Based on the courses offered , Student enroll in the courses |
| **From Processes** |  |
| **To Processes** | Course Registration |
| **Data Structures** | Course Details |
|  |  |
| **Data Flow Name** | Course List Confirmation |
| **Description** | Confirmation regarding the Enrolled Courses to the student |
| **From Processes** | Course Registration |
| **To Processes** |  |
| **Data Structures** | Course Details |
|  |  |
| **Data Flow Name** | Request for Course List |
| **Description** | Querying of Course List from the databases on the request of student |
| **From Processes** | Course Registration |
| **To Processes** |  |
| **Data Structures** | Course Details |
|  |  |
| **Data Flow Name** | Getting Course List |
| **Description** | List of Courses offered by college |
| **From Processes** |  |
| **To Processes** | Course Registration |
| **Data Structures** | Course Details |
|  |  |
| **Data Flow Name** | Personal Details |
| **Description** | Personal Details registered by the Student to the college. |
| **From Processes** |  |
| **To Processes** | Main Registration Process |
| **Data Structures** | Student Details |
|  |  |
| **Data Flow Name** | Student Enrollment Details |
| **Description** |  |
| **From Processes** | Main Registration Process |
| **To Processes** |  |
| **Data Structures** | Student Details |
|  |  |
| **Data Flow Name** | Update Records |
| **Description** | Process updates student details in database after student registers. |
| **From Processes** | Main Registration |
| **To Processes** |  |
| **Data Structures** | Student Details |
|  |  |
| **Data Flow Name** | Get Marks |
| **Description** | Students/Super-Admin receives marks updated by the teacher in theirs courses |
| **From Processes** |  |
| **To Processes** | Marks |
| **Data Structures** | Marks Details |
|  |  |
| **Data Flow Name** | Update Grades |
| **Description** | Teacher Updates Grades received by the students in the course. |
| **From Processes** | Enrollment Process |
| **To Processes** |  |
| **Data Structures** | Marks Details |
|  |  |
| **Data Flow Name** | Get Enrollment Details |
| **Description** | Teacher/Super-Admin receives Enrollment details of the students. |
| **From Processes** | Enrollment Process |
| **To Processes** |  |
| **Data Structures** | Student Details + Marks Details |
|  |  |
| **Data Flow Name** | Update Attendance |
| **Description** | Teacher updates the attendance of the students, according to classes of the course. |
| **From Processes** |  |
| **To Processes** | Attendance |
| **Data Structures** | Attendance Details |
|  |  |
| **Data Flow Name** | Get Attendance Details |
| **Description** | Students receives the updated attendance from the teachers , according to the classes of the course |
| **From Processes** | Attendance |
| **To Processes** |  |
| **Data Structures** | Attendance Details |
|  |  |
| **Data Flow Name** | Fee Deposition |
| **Description** | Students upload documents, to confirm their fee deposition. |
| **From Processes** |  |
| **To Processes** | Fee Deposition Process |
| **Data Structures** | Fee Details |
|  |  |
| **Data Flow Name** | Fee Received Confirmation |
| **Description** | Finance department verifies the receipts of the students. |
| **From Processes** | Fee Deposition Process |
| **To Processes** |  |
| **Data Structures** | Approval/Disapproval |

**DATA STORES:**

|  |  |
| --- | --- |
| DATA STORES |  |
| F | Foreign Key |
| P | Primary Key |

P –Primary Key F – Foreign Key

|  |  |  |  |  |  |  |  |  |  |  |
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| **TABLE** | **P/F** | **Field Name** | | **Description** | | | **Data Type** | | **Data Size/Length** | |
| **Student** | P | Student\_ID | | Unique Identification of student | | | TEXT | | 8 characters | |
|  |  | emailID | | Student’s Mail ID | | | TEXT | | 32 characters | |
|  |  | Student\_name | | Student’s Name | | | TEXT | | 32 characters | |
|  |  | DOB | | Student’s Date of Birth | | | DATE/TIME | | 16 characters | |
|  |  | Contact\_no | | Student’s Contact Number | | | INT | | 16 characters | |
|  |  | branch | | Student’s Enrolled Branch | | | TEXT | | 32 characters | |
|  |  | Student\_add | | Student’s Residential Address | | | TEXT | | 128 characters | |
|  |  |  | |  | | |  | |  | |
| **Grades** | F | Student\_ID | | Unique Identification of student | | | TEXT | | 8 characters | |
|  | F | Course\_ID | | Course ID | | | TEXT | | 8 characters | |
|  |  | grade | | Grade in the enrolled course | | | TEXT | | 4 characters | |
|  |  |  | |  | | |  | |  | |
| **Faculty** | P | | Faculty\_ID | | Unique Identification of the Faculty | TEXT | | 8 characters | |  |
|  |  | | Faculty\_Name | | Faculty Name | TEXT | | 32 characters | |  |
|  |  | | DOB | | Date of Birth | DATE/TIME | | 16 characters | |  |
|  |  | | department | | Department in which faculty works | TEXT | | 32 characters | |  |
|  |  | | designation | | Designation | TEXT | | 16 characters | |  |

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| **Fees** | P | | | Receipt\_No | | Receipt Number | | INT | | 8 characters |
|  | F | | | Student\_ID | | Unique ID of student | | TEXT | | 8 characters |
|  |  | | | Fee\_submission | | Submission of Fees | | BOOL | | 1 character |
| **Courses** | | P | Course\_ID | | Course ID | | TEXT | | 8 characters | |
|  | |  | Course\_Name | | Course Name | | TEXT | | 32 characters | |
|  | |  | Sem\_No | | Semester Number | | INT | | 8 characters | |
|  | |  | branch | | Branches in the college | | TEXT | | 16 characters | |
|  | |  | elective | | Elective course | | BOOL | | 1 character | |
| **Attendance** | | F | Student\_ID | | Unique Identification of student | | TEXT | | 8 characters | |
|  | | F | Course\_ID | | Course ID | | TEXT | | 8 characters | |
|  | |  | Total\_Classes | | Total classes of a specific course | | INT | | 4 characters | |
|  | |  | Total\_Attended | | Total classes attended | | INT | | 4 characters | |

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