Project Report
On
Online Admission System
BCSP-064

Submitted to the
School of Computer and Information Science, IGNOU
In partial fulfil of the requirements
For
The award of the degree of
Bachelor of Computer Application (BCA)
BY

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Introduction

- **TITLE OF THE PROJECT:**

Online Admission System

The purpose of the project is to provide online facility to Institutes to conduct online exams and to Students to give online exams. Institutes can enter and edit the questions along with the students list. Also they can view the result. Students can login and give their respective exams and view their score then and there. Others can view sample papers to get look and feel of the online examination system.

EXISTING SYSTEM

- Currently,thesystem is totally manual.
- The manual system is slow thenthe computerized system.
- It is very time consuming.
- It is very complex system.
- It is requiredmore clericalwork and use more man power.
- The current system is not user friendly.
- It takes too much cost to perform procedure.
- In this,Paper losing or burningpaper is possible.
- It is difficult to store the data.

- **OBJECTIVES:**

- The new system is totally computerized system.
- The system should be flexible.
- It provides security and authorization.
- It save time and cost.
- It is user friendly.
- In new system,use less manpower than manual system.
- In this , the data require less space to store than the manual system.

- Students can easily get information about organization and easily apply for admission.

- **PROJECT CATEGORY:**

Veb Designing with Relational Database Management System.

- **TOOLS/ENVIRONMENT:**

'ools: Adobe Dreamweaver, XAMPP. Platform: Windows XP SP-2 and above.
)BMS: MySQL (XAMPP).
'rogramming Language: HTML, PHP, SQL, JQuery, Bootstrap
Minimum Hardware Requirements: Pentium or AMD Processor with 1.8 GHz or above, 1 GB
AM.

Software Requirement Specification (SRS):

1) Introduction:

.1 Purpose: The purpose of the project is to provide online facility to Institutes to conduct nline exams and to Students to give online exams. Institutes can enter and edit the questions long with the students list. Also they can view the result. Students can login and give their espective exams and view their score then and there. Others can view sample papers to get ook and feel of the online examination system.

.2 Scope: The website to conduct online Admission for a University is **"Online Admission ystem"**. This website provides facility to institutes to conduct online Admissions by providing a nique id to each Student. The institute provides online registration of the student. Institute lso enters the list of eligible students. All the information entered can be later edited by the nstitute.

n turn student can login with their id, name and Programmed to give the forms and can view heir Admission status then and there. Institutes can also change the status of admission of heir students (if needed).

enefits: This website reduces the manual work, maintaining accuracy, increasing efficiency nd saving time. Also institutes need not go to develop new software each time; instead they ust register and admit the students online. For students, it saves time of going too far away dmission centres and also they can view their Admission status then and there.

ii) **Abbreviations:**

'HP stands for Hypertext Pre Processor

HTTP stands for Hypertext Transfer Protocol

v) **References:**

EEE Recommended Practice for Software Requirements Specification- IEEE STD 830-1993.

) **Overview:** The rest of this SRS document describes the various system requirements, nterfaces, features and functionalities in detail.

. **Overall Description:** In Online Admission system institute can register to conduct an online dmission and view the academic records later. Students can fill the form and their respective cademic records (softcopy), which helps the registrar to admit the student or reject as per ubmitted records. No student can take a particular online registration more than once.

) **Product**

erspective:

i) User interfaces

he application will have a user friendly and menu based interface.

ollowing screens will be provided:

ii) A login screen for entering the username, password will be provided. Access to different creens will be based upon the user.

iii) There is a screen for displaying information regarding entries to be made by institutes.

iv) There is a screen for displaying information regarding filling of Admission form details by nstitutes.

v) There is a screen for displaying information regarding entering student list for the articular program.

vi) There is a screen for displaying information menu regarding what options the institutes vill select while filling entries in the form.

vii) There is a screen for displaying course details to the students when they are selecting rogram for admission.

viii) There is a screen for submitted status for the students.

ix) There is a screen for displaying of results of students after taking time for registrar for electing and rejecting students in the selected list and rejected list.

x) **Hardware interfaces**

i) Support for printer for printing results then and there.

ii) Screen resolution of at least 800X600 is required for proper and complete viewing of creens. Higher resolution will be accepted.

xi) **Software interfaces**

i) Any windows based operating system.

ii) MYSQL-for database.

iii) Dreamweaver for developing code.

xii) Communications interfaces Xampp

xiii) Memory Constraints At least 512 MB RAM and 5 MB space on hard disk will be required or running the application.

xv) Site Adaptation Requirements Web browser with cookies enabled.

i.) **Product Functions:** The website will allow access only to authorised users with specific roles Administrator- maintains the website, Institutes-Register to select the forms submitted by the tudents, Students-Apply for admission online) a summary of the major functions that the vebsite will perform:

. Provide facility to institutes to register to conduct an online admission process.

. Institutes can enter the number of programs and there course details and the list of eligible tudents selected.

. Students can login and submit the admission form.

ii.) **User Characteristics:**

. Educational level: Users should be comfortable with the English language.

. Experience: Users should have prior information regarding the online admission process.

. Skills: Users should have basic knowledge and should be comfortable using general purpose pplications on computers.

v.) **Constraints:**

Since the DBMS being used is MYSQL, which is not a very popular DBMS, it will not be able o store a very huge number of records.

Due to limited features of DBMS being used performance tuning features will not be applied o the queries and thus the system may become slow with the increase in number of records eing stored.

An extra security as SSL must be used to secure the marks details and other examination nformation.

.) **Assumptions:** The application is online so taking into consideration that all the details are rue. Students can submit application form just once.

i.) **Apportioning of Requirements:** The future versions of the website will be having a better latabase to handle larger number of records, in a more secure way.

lso separate profile will be maintained later for all students so that he can view all his revious academic records later.

. **Specific Requirements:** This section provides software requirements to a level of detail ufficient to enable designers to design the system and testers to test the system.

External Interface Requirements:

User Interfaces:

Institute Registration Screen: Various fields available on this screen will be:

Login Name

Institute Name

Email Id

Password

Institute Login Screen: Fields available on this screen are:

Login Name

Email Id

Password

Entering academic details: Various Fields are:

Programs

Course list for each Program

Admission selected/rejected list Screen: Various Fields are:

Student List Screen: Various Fields are:

Student ID

Student Name

Student Login Screen: Various Fields are:

Student ID

Student Name

Institute ID

Result (Select/Reject)

Hardware interfaces:

Support for printer for printing results then and there.

Screen resolution of at least 800X600 is required for proper and complete viewing of screens. Higher resolution will be accepted.

Software interfaces:

Any windows based operating system.

MySQL-for database.

PHP for developing code.

Communications interfaces

None

i.) Software Product Features:

♣**Validity Checks:** JavaScript provides validity checks for various fields in the forms.

Sequencing Information: All the information regarding exam♣ details, student list, question details, display of result should be handled sequentially that is data should be stored only in a particular sequence to avoid any inconvenience

♣**Error Handling:** If any of the validations or sequencing flows does not hold true then appropriate error messages will be prompted to the user for doing the needful.

ii.) **Performance Requirements:** This subsection specifies numerical requirements placed on he software or on the human interaction with the software, as a whole. Numerical equirements will include:

Only text information will be supported (HTTP)

All the transactions will be processed within seconds.

v.) **Design Constraints:** None

.) **Software System Attributes:**

Security: Only authorized users will be able to access the website by entering the correct login ıame and corresponding password.

Maintainability: The website can be maintained in present or future. It will be easy to ncorporate new requirements in the individual modules.

Portability: As the website is online so will be easily portable on various systems.

he website will be also easily portable on any windows based system that has MYSQL nstalled.

Logical Database Requirements: The following information will be placed in the database:

Organization Details: ID, Login Name, Email, Password, Institute Name.

Program Details: ID, Pname, No. of Course, No. of Duration, credits.

Institute Student List: Sid, Sname, FormID, Result.

Other Requirements: None

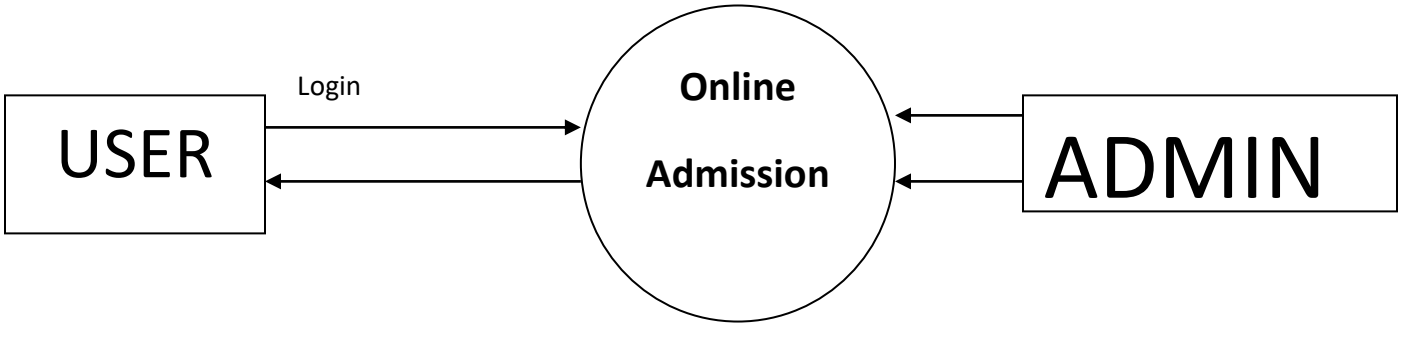
GIANT CHART:

Activity	01/9 - 11/9	12/9- 30/9	1/10- 21/10	22/11- 15/12	16/12- 17/01	18/01- 12/01	13/02- 15/02	16/02- 26/02
roject earch								
inalization Allocation								
nvestigation f System equirement								
ystem esign								
rogram esign								
rogram oding								
ystem ntegration								

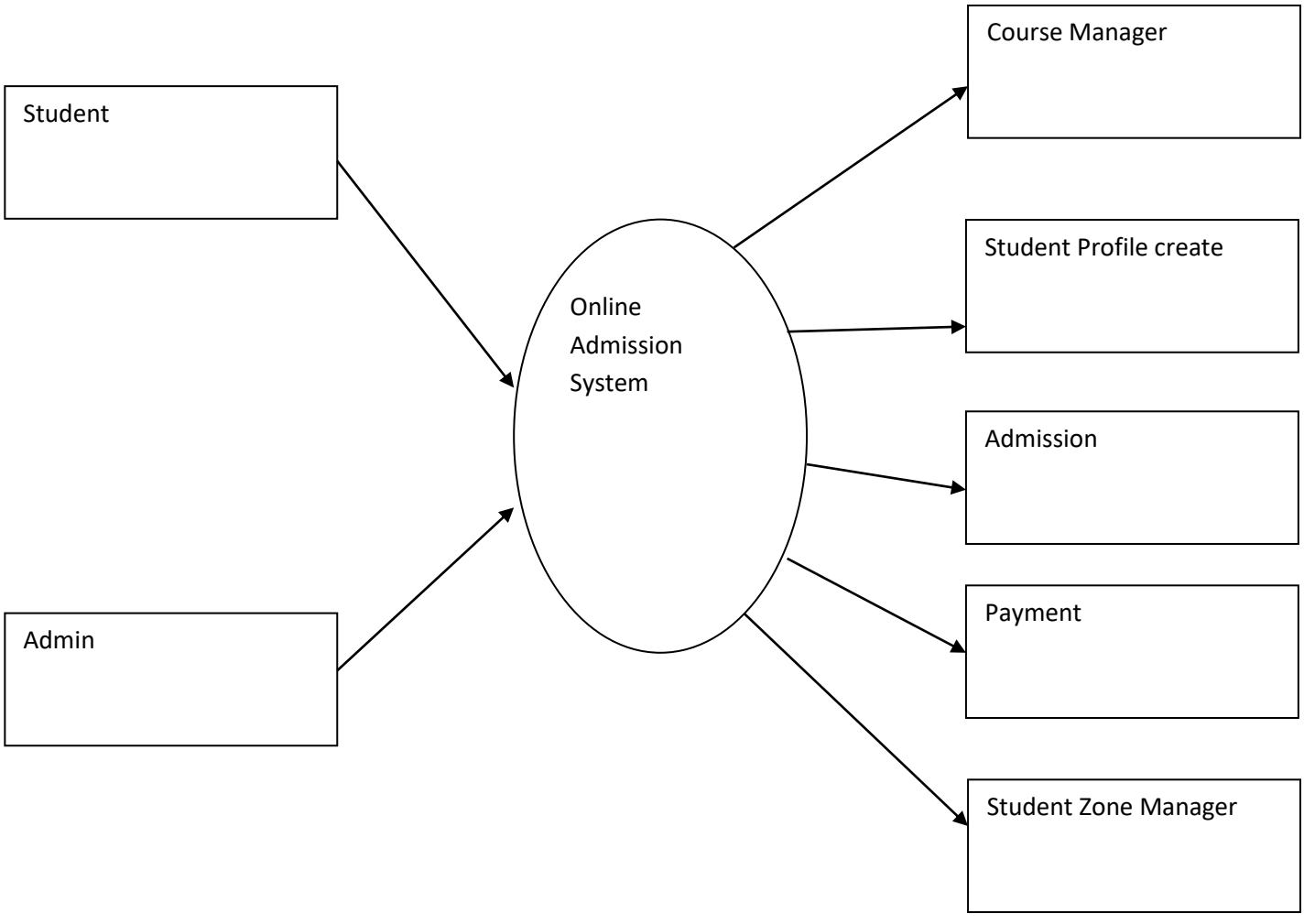
cceptance est								

DATA FLOW DIAGRAM (DFD):-

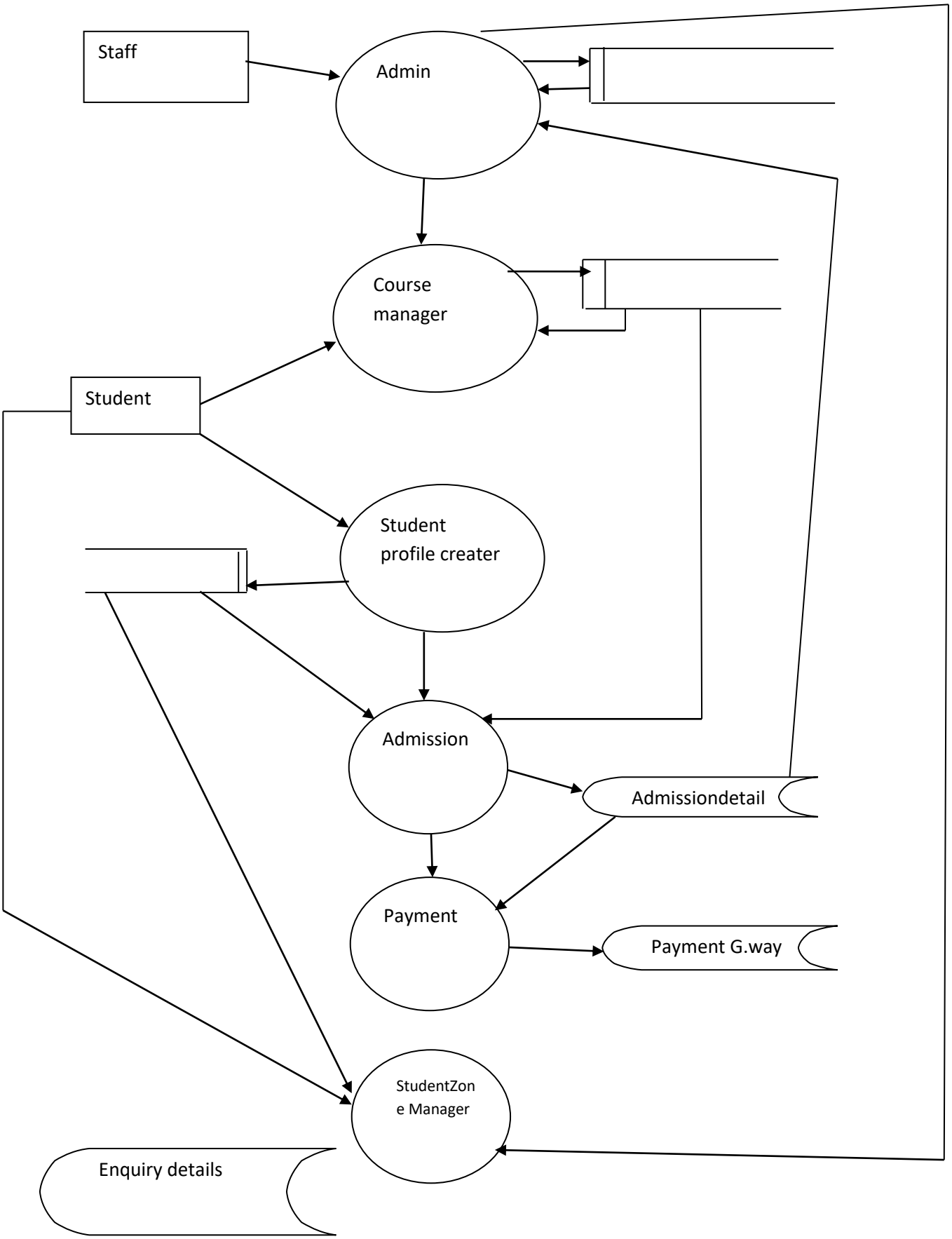
0 LEVEL DFD



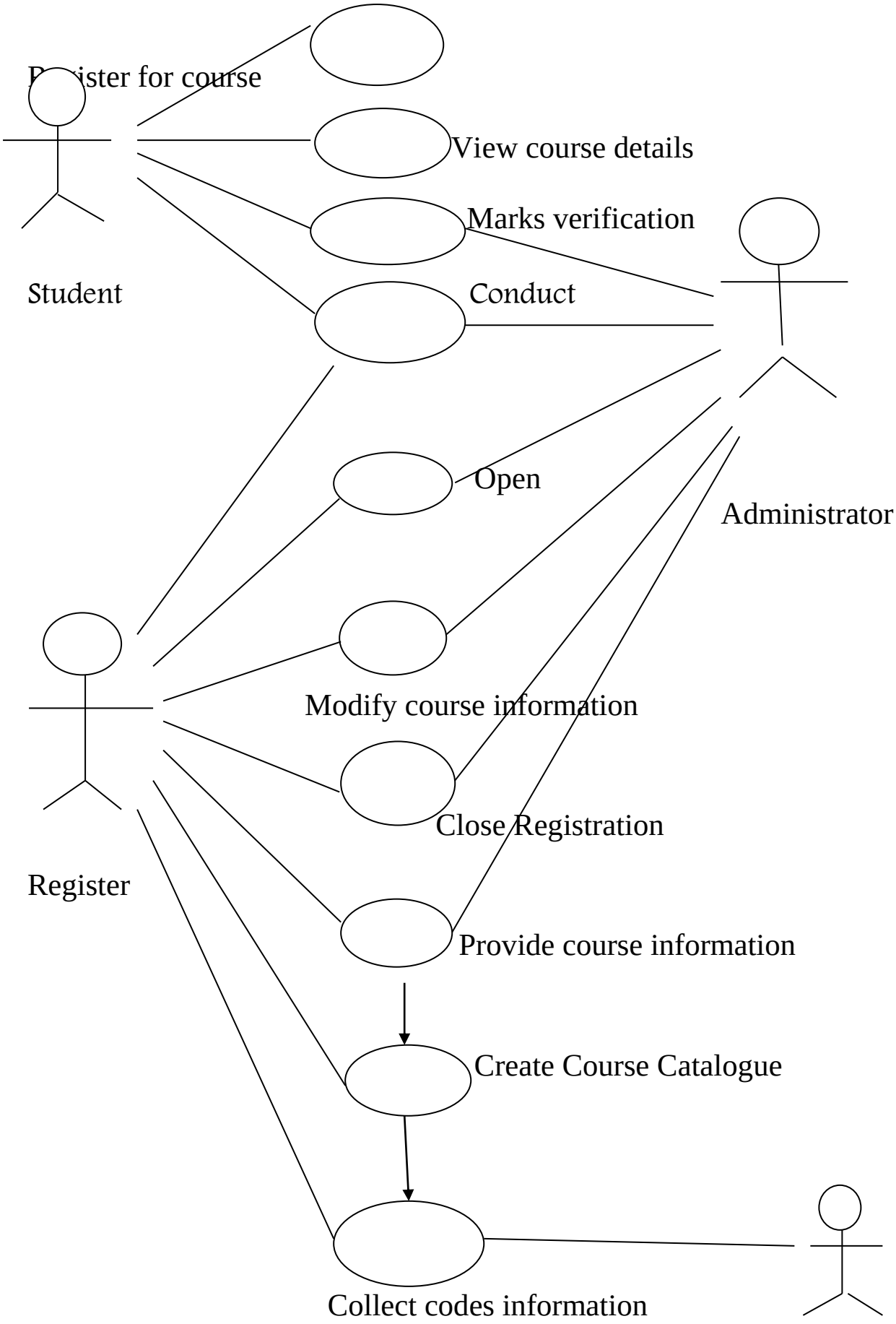
1 LEVEL DFD


Student
Admin
Online
Admission
System
Course Manager
Student Profile create
Admission
Payment
Student Zone Manager

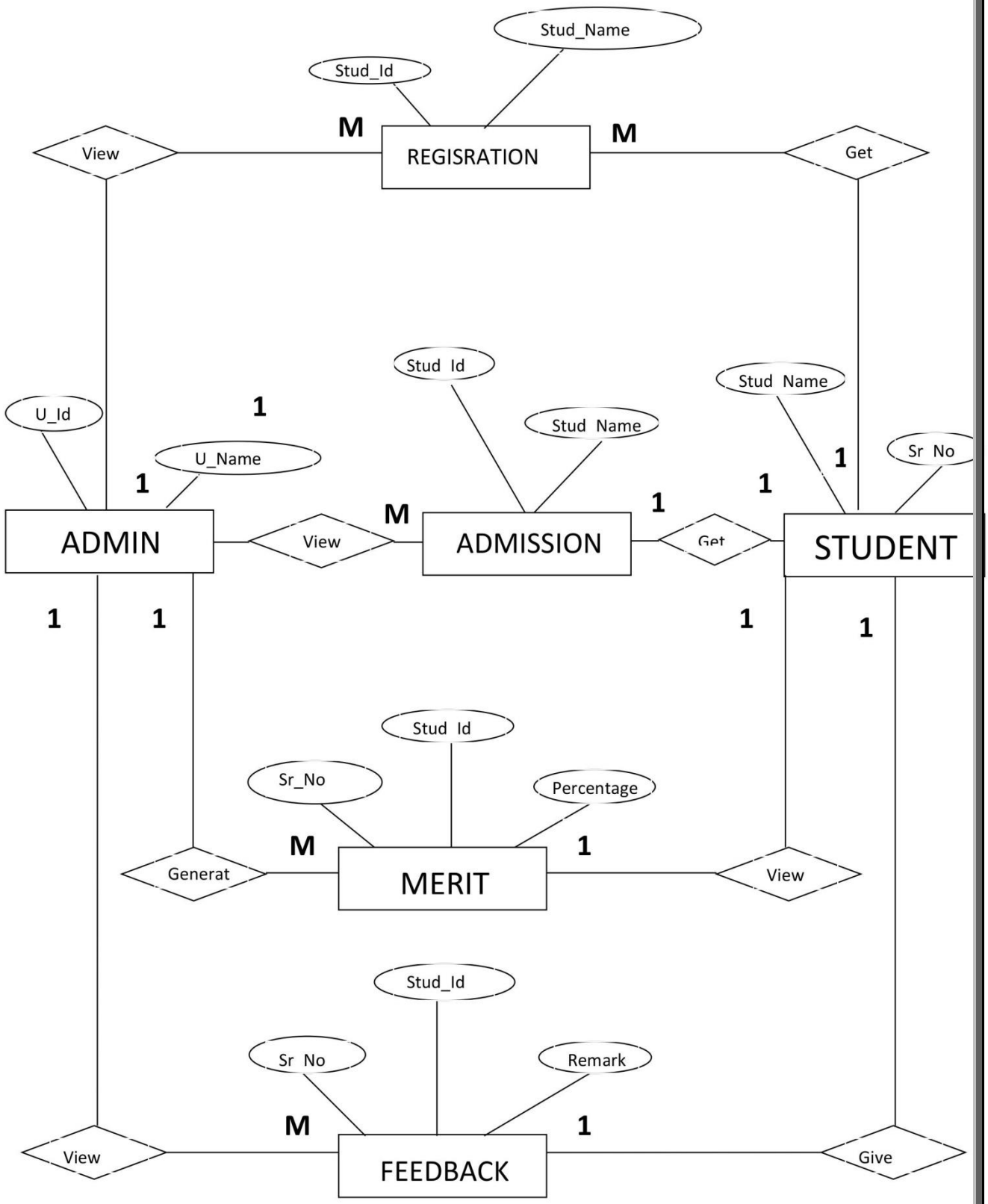
2nd LEVEL DFD



USE CASE DIAGRAM



E –R DIAGRAM


Stud_Name
Stud_Id
M
M
View
REGISRATION
Get
Stud_Id
Stud_Name
U_Id
1
Stud_Name
Sr_No
U_Name
1
1
1
1
M
1
ADMIN
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ADMISSION
Get
STUDENT
1
1
1
1
Stud_Id
Sr_No
Percentage
M
1
Generat
MERIT
View
Stud_Id
Sr_No
Remark
M
1
View
FEEDBACK
Give

Data Structure

- **Table Structure In Details:**
  - **LOGIN_MST:**

Field Name	Data Type	Descriptions	Constraints
U_id	Int	User id	Primary Key
U_name	Varchar(100)	User name	Not Null
Password	Varchar(100)	Password	Not Null

  - **STAFF_MST**

Field Name	Data Type	Descriptions	Constraints
Teacher_id	Int	Teacher id	Primary Key
Teacher_name	Varchar(20)	Teacher name	Not Null
Photo	Varchar(MAX)	Path	Not Null
Address	Varchar(MAX)	Address	Not Null
Contact no.	Varchar(13)	contact no.	Null
Qualification	Varchar(20)	Qualification	Not Null

  - **FACILITY_MST**

Field Name	Data Type	Descriptions	Constraints
F_id	Int	Facility id	Primary Key
F_name	Varchar	Facility Name	Not Null
Photo	Varchar	Path or photo	Not Null
Remarks	Varchar	Remarks	Null

  - **REG_MST**

Field Name	Data Type	Descriptions	Constraints
Stud_id	Int	Student id	Primary Key
Stud_name	Varchar	Student name	Not Null
Stud_city	Varchar	Student city	Not Null
Mobile No.	Int	Mobile no.	Not Null
Username	Varchar(20)	Username	Not Null
Password	Varchar(10)	Password	Not Null

- **ADMISSION_DETAIL**

Field Name	Data Type	Descriptions	Constraints
Sr_no	Int	Serial no.	Primary Key
Stud_id	Int	Student id	Foreign Key
Stud_Name	Varchar(20)	Student Name	Not Null
Father_Name	Varchar(20)	Father name	Not Null
Occupation	Varchar(20)	Father Occupation	Not Null
Address	Varchar(MAX)	Address	Not Null
Birthdate	Date	Birth Date	Not Null
Cast	Varchar(20)	Cast	Not Null
Gender	Varchar(5)	Gender	Not Null
Passed_standard	Varchar(10)	Last Standard	Not Null
Last_School_Name	Varchar(20)	School Name	Not Null
Last_Year_Result	Varchar(10)	Result	Not null
Stream	Varchar(10)	Stream	Null

- **MERIT_DETAIL**

Field Name	Data Type	Descriptions	Constraints
Sr_no.	Int	Serial Number	Primary Key
Stud_id	int	Student Id	Foreign Key
Stud_Name	Varchar(20)	Student Name	Not Null
Percentage	Varchar(5)	Student Percentage	Not Null

- **FEEDBACK_DETAIL**

Field Name	Data Type(Size)	Descriptions	Constraints
Sr_no.	int	Serial Number	Primary Key
Stud_Id	int	Student Id	Foreign key
Stud_Name	Varchar(20)	Student Name	Not Null
Remarks	Varchar(Max)	Student Remarks	Null

POST IMPLIMENTATION REVIEW

- The performance level of users has improved.
- The system needs less paper work, save time, secure data.
- Admin can work very quickly.
- There is various information which should be retrieved very easily.

FUTURE ENHANCEMENT

There is one segment named lab unit needed computer system to improve work. In this system, we tried to make a simple application for user. We can change our system day by day as per user requirements will be changed. In future, we want to implement below point in our system.

- We can generate student attendance report.
- We can generate graphical report of student's result.