**CHAPTER 1**

**INTRODUCTION**

Student projects are the early steps of future professionals. A student project doesn’t involve a deep idea, perfectness. But, it contains the true spirit of a future professional. To guide them, there should be mentors and they have to guide them in each and every phase of the project. Mentors have to guide multiple projects and also multiple students are involved in making of single project.

Course instructor has to maintain all the details of the students who are involved in project making, projects and mentors. Course Instructor also has to look after very project, student and mentor. This may be risk for an instructor, to reduce that risk, this little effort has being done.

Creating a database for maintaining the details of all the details of students, projects and mentors may help the course instructor. So, this database project is the project maintains the database of all the student projects. This includes the entities like student, guide, project, review and marks secured. This Database will provide a proper management of the student's projects. It also avoids the redundancy of the projects. It reduces most of the duplicating work of the instructor. This projects aims to be friendly to the instructor. This project also provides a special entity called review. This special feature helps the students to improve their work. This feature also provides an open stage to review the project from other students, mentors and other staff. This project will look effective after completion of the third phase of all the student's projects. This database project also helps the other staff members to view the students work. It will be useful in multiple views. This database also helps to keep the records of previous year projects also. So that, the instructor can has a view and also compare the present year’s project and guide the students into improve it further. This improves the standard of the students and projects also.

We can list all the projects available, each project will be listed with its own details, in the detail page with key information, such as project name, students involvedand mentor for the project.

**CHAPTER 2:**

**SOFTWARE REQUIREMENT SPECIFICATION**

**2.1 AIM**

DATABASE OF STUDENT PROJECTS aim to design a system to manage the students projects, where we can list the projects, students and mentors involved in doing the projects. It

helps the course mentor improve the his/her efficiency and also reduces the redundancy.

**2.2 OBJECTIVES**

Need for Database Management:-

A few factors that direct us to develop a new system are given below:-

* Faster System
* Accuracy
* Reliability
* Information
* Updating and deleting the data.

**2.3 SCOPE OF THE PROJECT**

The scope of the project is clear to give a simple and attractive to simplify the work as well as to reduce the efforts while doing it offline or we can say by doing it with old methods. In this application we are able to save the database of all the student, professor, project details, marks secured and review details. The student data includes the name, USN, gender also this database gives the information of the project list and review of the project.

**2.4 METHODOLOGY**

To implement the above goals, the following methodology needs to be followed:

1. Specifying the Application and various components of the Architecture.
2. Specifying the bindings between the tasks and there sources either manually or by the design tools.
3. Specifying the port inter connections between the resources.

**2.5 OUTCOME**

* The studentswill be monitored in the database.
* All the information about the student, projectwill be maintained, which results in easy retrieval of any data.
* Each student has given a unique identity number which is easy to track them or retrieve any information about them.
* The project management record are also maintained which will be useful for future purpose.
* The details of marks secured for each project is also stored in the database.
* Guide for each project also maintained in the database.

**2.6 REQUIREMENTS**

**2.6.1 Hardware Requirements:**

1.Processor: Intel corei3.

2.RAM: 1GBormore.

3.Hard Disk: 80GB or more.

4.Monitor: 15”CRT or LCD.

5.Keyboard: Normal or Multimedia.

6.Mouse: Compatible Mouse.

**2.6.2 Software Requirements**

1.Operating System: Windows or Linux.

2.Front End: JAVA

3. Back End: MySQL Server.

**CHAPTER 3:**

**SYSTEM ANALYSIS AND DESIGN**

**3.1 ENTITY RELATIONSHIP [ER] DIAGRAM**

marks secured

1

for

individual

review

1

for project

number

of

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N

1

work on

N 1

project

M

reviews on

student

number of

N

N N

guide

work on

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