**CHAPTER 1**

**INTRODUCTION**

The project “Student Information System using Cloud Computing ” is about how to develop the application that is used to collect the information regarding the events and the training programs conducted by various colleges. This is a cost efficient and secure application that is built using some of the major Amazon Web Services.

**1.1 Problem Definition**

The existing student information system needs a physical server and maintenance, which is liable to mistakes and lot of time consumption and man power. Our proposed system reduces them by cost of the whole complete system using cloud which will be much safer and scalable than the existing system, also reduces the capital cost.

**1.2 Objective of the Project**

Creating a web application without the use of physical servers that is virtually deploying the website in a cloud platform. This enables better security and management for the application. Since the AWS services are used the application will be charged only when it runs.

* Static Web hosting
* Serverless Backend
* User Management
* RESTful API

**1.3 Significance of the Project**

Student Information System using the AWS services has a major significance such as follows:

* Cost efficient as the code runs only when triggered
* Highly scalable
* Disaster recovery is possible as it stores the data in data centers
* Accessible anywhere at anytime

**1.4 Outline of the Report**

Student Information system using AWS services has a major outline report which is as follows:

* Capital cost has to be reduced
* Accuracy
* Scalable and secured
* User friendly
* Managing and maintaining data becomes easier.