(BCA 357: Minor Project)

**ON**

**AS**

THE PARTIALFULFILLMENT OF THE REQUIREMENT FOR

SUCCESSFUL COMPLITION OF THE AWARD OF

**BCA**

To

**Guru Gobind Singh Indraprastha University, Delhi**

Under the Guidance of **Dr. Ashwani Rathee**

Faculty Guide



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**Introduction**

E-Learning is the computer and network enabled transfer of skills and knowledge. It includes out-of classroom & in-classroom educational experiences via technology. E-Learning is naturally suited to distance learning and flexible learning. It is available anywhere, anytime. It is a self paced interactive instructive presented over the Internet to browser equipped learners. The E-Learning solution is empowering, engaging, effective and economical.

Early E-Learning systems, based on computer based learning (CBL) & training often attempted to replicate autocratic teaching styles whereby the role of the e-Learning systems was to transfer knowledge, as opposed to the systems developed later which were based on computer supportive collaborative learning (CSCL) which encouraged the shared development of knowledge. Now a day, it is an increasing trend to create virtual learning environment (VLE).The courses offered by the environment is interactive.

**Why e-learning is the most effective solution?**

Many employers and learners cannot afford time to a class. Travelling itself makes the learning process expensive & disruptive. E-Learning is revolutionizing the learning world by eradicating the geographical boundaries. The resources are available 24\*7 a week, and any computer enabled with Internet facility can use the system. E-Learning ranges over a number of subjects & has a number of features

**Justification of language and platform used**

1) Software Requirement specifications:

* Visual Studio code for Coding
* XAMPP
* Apache Server
* MYSQL for database
* PHP
* Html ,CSS & Java Script etc
* Bootstrap version-4.0
* Internet explorer 6.0, chrome or any Supported browser.

2) Hardware:

* For client site:
* Pentium 4
* 256 MB RAM
* 1 GB HDD
* For server site:
* Xeon based or higher end server
* 4GB RAM
* 200 GB disk space

**Data Flow Diagram (DFD)**

DFD-Level-0

Request

Administrator

Response

Response

Request

Request

Response

Student

Teacher

DFD-Level-1

Database

Data Profile

Request to Store

Query

Result

Home Page

Response

Request

UserName & Password

Database