1. Students can pick courses, go to addresses, see archives, see their addresses courses, and so forth, according to their benefit.

2. Faculties can take addresses, transfer reports, declarations, notification, bulletins and furthermore can transfer addresses and different talks in different configurations as in recordings, control point introduction and so forth.

3. Administrator can produce reports, log records, reinforcement/recuperation of information whenever.

Advantages:

• Registration for numerous courses.
• Easy to deal with all the workforce exercises points of interest.
• Attend addresses either at the booked time or on ask for see address at a later time.
• Shared reports and media library that can help in dynamic learning of an understudy.
• There can be to talk about different inquiries and to set up recommendations posted both by understudies and instructors [4].

4. System Analysis

Making Learning through World Wide Web to propel a more noticeable check of understudies to spend excessively into the field of Education. It organizes the upsides of a physical classroom with the solace of a 'no-physical-bar' virtual learning condition, short the driving dangers and costs [5][6]. It will customer in the colossal flexibility and headway in the present learning stage structures, with the perfect blend of synchronous and non-concurring cooperation. It gives a technique for group learning for the understudies [7].

Consistent framework models and devices are utilized as a part of investigation. Preparing, knowledge and sound judgment are required for accumulation of the data expected to do the investigation.
This application comprises following modules:
1. Chairman
2. Personnel
3. Understudy

Framework investigation is the principal organize as indicated by the System Development Life Cycle display. Attainability investigation of the proposed framework examined over cost, time and operational, specialized possibilities. The term framework necessities that depicts the capacities if the framework through which, with which, on which the item will work. Framework prerequisite portray the abilities of the framework through which the item will work. There are two classes of the framework are useful and client

necessities. The equipment and programming determinations are to indicate the prerequisites of the framework.

5. System Design

Framework configuration is the way toward arranging another framework to supplant or supplement on existing framework. It is an iterative procedure through which necessities are converted into the product amid the stage the examiner works with the client to build up a physical model of the framework.

In the outline step, the component of the examination display gets changed over into an information plan, an engineering outline, an interface outline and a procedural outline. The information configuration changes the data space show made amid examination into the information structure that will be required to actualize programming. The building configuration relies on the relationship among major auxiliary components of the program. The information and control stream graphs give the data require to the interface plan.

Outline Principles

Essential plan rules that empowered the product built to explore the outline procedure are:
• The configuration ought to be traceable to the investigation demonstrate.
• The configuration ought to limit the scholarly separation between the product and the issue, as it exists in reality.
• The configuration should display consistency and uprightness.
• The configuration ought to be organized to oblige changes.
Database Design
Database configuration is an essential stage in planning a framework. Amid this stage care ought to be taken to stay away from excess of data putting away into a database, since it prompts wastage of memory space [8][9]. For this reason a standardization method has been connected here comprehensively to outline the database [10].

User Details

This table gives details regarding which user table can be create multiple columns like userid, firstname, lastname, dob, dor, loginid, password, logintype, forgotpwquestion, forgotpwanswer, photograph, emailid, faxno and middlename columns values are storing the database.

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
USERID	1	1	N	NUMBER		Yes
FIRSTNAME	2		Y	VARCHAR2 (20 Byte)		Yes
LASTNAME	3		Y	VARCHAR2 (20 Byte)		Yes
DOB	4		Y	DATE		Yes
DOR	5		Y	DATE		Yes
LOGINID	6		N	VARCHAR2 (50 Byte)		Yes
PASSWORD	7		Y	VARCHAR2 (30 Byte)		Yes
LOGINTYPE	8		Y	VARCHAR2 (20 Byte)		Yes
FORGOTPWQUESTION	9		Y	VARCHAR2 (70 Byte)		Yes
FORGOTPWANSWER	10		Y	VARCHAR2 (70 Byte)		Yes
PHOTOGRAPH	11		N	BLOB		Yes
EMAILID	12		Y	VARCHAR2 (50 Byte)		Yes
FAXNO	13		Y	VARCHAR2 (20 Byte)		Yes
MIDDLENAME	14		Y	VARCHAR2 (20 Byte)		Yes

Voice Mailbox Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
VOICEMAILBOXID	1	1	N	NUMBER		Yes
VOICEMAILBOXTEXT	2		Y	VARCHAR2 (30 Byte)		Yes
STUDENTID	3		Y	NUMBER		Yes
AUDIO	4		Y	BLOB		Yes

Student Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
STUDENTID	1	1	N	NUMBER		Yes
STUDENTFIRSTNAME	2		Y	VARCHAR2 (20 Byte)		Yes
STUDENTMIDDLENAME	3		Y	VARCHAR2 (20 Byte)		Yes
STUDENTLASTNAME	4		Y	VARCHAR2 (20 Byte)		Yes
DOB	5		Y	DATE		Yes
DOR	6		Y	DATE		Yes
ADDRESS	7		Y	VARCHAR2 (20 Byte)		Yes
EMAIL	8		Y	VARCHAR2 (30 Byte)		Yes
PHONE	9		Y	VARCHAR2 (20 Byte)		Yes
IMAGE	10		Y	BLOB		Yes

Student Course Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
STUDENTID	1		Y	NUMBER		Yes
COURSEID	2		Y	NUMBER		Yes
FACULTYID	3		Y	NUMBER		Yes
COURSEREGID	4	1	N	NUMBER		Yes
REGDATE	5		Y	DATE		Yes
COURSEENDDATE	6		Y	DATE		Yes

Solution

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
QUERYID	1		Y	NUMBER		No
SOLVEDDATE	2		Y	DATE		No
SOLUTION	3		Y	VARCHAR2 (500 Byte)		No

Query

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
QUERYID	1	1	N	NUMBER		No
LOGINID	2		Y	VARCHAR2 (50 Byte)		No
QUERYDATE	3		Y	DATE		No
DESCRIPTION	4		Y	VARCHAR2 (500 Byte)		No
STATUS	5		Y	VARCHAR2 (50 Byte)		No

Phones

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
USERID	1	1	N	NUMBER		Yes
PHONENO	2	2	N	VARCHAR2 (13 Byte)		Yes
PHONETYPE	3	3	N	VARCHAR2 (20 Byte)		Yes

Newsletter Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
NEWSLETTERID	1	1	N	NUMBER		Yes
LETTER	2		Y	BLOB		No
NEWSDATE	3		Y	DATE		Yes
FACULTYID	4		Y	NUMBER		Yes

Faculty Online Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
ONLINEID	1	1	N	NUMBER		Yes
ONLINEDATEANDTIME	2		Y	DATE		Yes
FACLTYID	3		Y	NUMBER		Yes

Faculty Notices Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
NOTICEID	1		Y	NUMBER (10)		Yes
NOTICEDATE	2		Y	DATE		Yes
FACULTYID	3		Y	NUMBER (10)		Yes
NOTICETEXT	4		Y	VARCHAR2 (30 Byte)		Yes
NOTICEFILE	5		Y	BLOB		No

Faculty Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
FACULTYID	1	1	N	NUMBER		Yes
FNAME	2		Y	VARCHAR2 (20 Byte)		Yes
DOB	3		Y	DATE		Yes
DOR	4		Y	DATE		Yes
ADDRESS	5		Y	VARCHAR2 (20 Byte)		Yes
EMAIL	6		Y	VARCHAR2 (30 Byte)		Yes
PHONE	7		Y	VARCHAR2 (20 Byte)		Yes
IMAGE	8		Y	BLOB		Yes
SPECIALREMARKS	9		Y	VARCHAR2 (40 Byte)		Yes
EXPERIENCE	10		Y	NUMBER		Yes
USERNAME	11		Y	VARCHAR2 (20 Byte)		Yes
PASSWORD	12		Y	VARCHAR2 (20 Byte)		Yes

Course Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
COURSEID	1	1	N	NUMBER		Yes
CNAME	2		Y	VARCHAR2 (20 Byte)		Yes
COURSEDESC	3		Y	VARCHAR2 (30 Byte)		Yes
COURSEDURATION	4		Y	VARCHAR2 (20 Byte)		Yes
COURSECONTENT	5		Y	BLOB		Yes
NOOFLETURERES	6		Y	NUMBER		Yes

Course Lecturer Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
LECTURERID	1	1	N	NUMBER		Yes
LECTURERDATE	2		Y	DATE		Yes
COURSEID	3		Y	NUMBER		Yes
FACULTYID	4		Y	NUMBER		Yes
LECTUREAUDIO	5		Y	BLOB		No
LECTUREVIDEO	6		Y	BLOB		No
LECTURERDURATIONTIME	7		Y	NUMBER		Yes
LECTURERPOWERPOINT	8		Y	BLOB		No
LECTUREDOCUMENTFILE	9		Y	BLOB		No
LECTURERASSIGNMENTFILE	10		Y	BLOB		No

Course Faculty Master

Column Name	ID	Pk	Null?	Data Type	Default	Histogram
COURSEID	1		Y	NUMBER		Yes
FACULTYID	2		Y	NUMBER		Yes
DESCBYFACULTY	3		Y	VARCHAR2 (30 Byte)		Yes

The objective of configuration process is to give a blue print to execution, testing and upkeep exercises. The bound together showing vernacular allows the item expert to express and examination exhibit using the showing documentation that is regulated by a game plan of syntactic and practical tenets.

6. Conclusion

The "Virtual Tutoring framework" was effectively composed and is tried for precision and quality. In the midst of this errand we have accomplished each one of the objectives and this endeavour tends to the issues of the affiliation. The made will be used as a piece of looking for, recouping and creating information for the concerned sales.

Objectives Achieved

- Reduced section work.
- Easy recovery of data
- Reduced blunders because of human mediation
- User inviting screens to enter the information
- Portable and adaptable for encourage improvement
- Web empowered.

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Online E-Learning Portal Project Source Code and Database. Cloud Based Projects on AWS Cloud Python Based Online-E-Learning-Portal. Static Pages and other sections : These static pages will be available in project Online-E-Learning-Portal Home Page with good UI Home Page will contain an animated slider for images banner About us page will be available which will describe about the project Contact us page will be...Â Student Forums allow for different learning styles. Those students more focused and effective after school hours can engage at times more suitable to their learning aptitudes. The idea of forum has been adapted from lots of forum in many websites. It also provides for students time to time current status information related about many forums. Browse Forum content selected by the eLearning Learning community.Â Forum Portal Teams Trends 40. > Does Your Online Course Need a Forum? LearnDash.Â Consisting of 16 dynamic sessions, the Learning Leaders Global Online Forum is designed to explore multiple perspectives from leaders around the world and address today's most pressing L&D challenges and leadership topics. Forum 80. Forum Global Press Leadership 80. Stanford Online is a study site that provides learning opportunities via free online degrees, online courses, e-learning, and more. You can learn a wide range of subjects including, computer science, AI, health and medicine, arts, and data science. The platform offers certification after completing the program.Â Users can join the developer program in order to access these resources. It has a forum to discuss development related topics. Link: https://developer.apple.com/. 27) Canvas Network. This chapter uses the term educational knowledge portal, however these e-learning systems are sometimes also called learning management systems (LMS), virtual learning environments (VLE), education via computer-mediated communication (CMC) or online education. They might also be called a managed learning environment (MLE), learning support system (LSS) or learning platform (LP). The purpose of this chapter is to introduce the concept of open-source knowledge portals and highlight some of the benefits and risks associated with using these types of systems. This chapter will also explore some of the open-source systems that are currently available and successfully used by educational institutions. Overview of open-source knowledge portals.