



# E-Learning Website



*e-Learning*

Supervised By

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# Team Names

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# Problem definition

- There is no official site to interact between doctors and students.
- Doctor can't reach to all students if he wants to tell them something.
- Doctor can't share materials about courses easily, except
  - ❖ giving it to one or more student & asked them to share it with other student.
  - ❖ or sharing it by private account on unofficial site.



# Problem definition

- Doctor sometimes can't finish the lecture on college, so he record it in video and upload it to students on his account.
- Students may want ask some questions after college day, and need answers to those questions.
- Most of students can't know the right way to improve his skills in programming, networks, etc.

# Problem definition

- Doctor ask about assignment, there are two ways to receive answers of assignment
  - ❖ The first way by hand, and this is difficult because of the large number of students
  - ❖ The second is by creating a new account in an unofficial and insecure site to receive it.





# System requirement

- Courses that student will studying in and out college.
- The material of each course.
- Information about every course.
- Everyone must know his email & password and keep it secret.
- Discussion and Messages between doctors , students and teaching assistants.

# Purpose solution

We will make web page contain:

- **Home page** for each user and contain basic information about him.
- **Access courses page** to reach to all courses available.
- **Course information** for each courses.
- **Discussion page** of each course that can ask and find answers.
- Each course has its **materials**.
- **Assignment page** for each course.



# Data Collection

- **Data collection** is a very demanding job which need thorough planning, hard work, patience, perseverance and more to be able **to complete the task successfully**.
- **Data collection** starts with determining what **kind of data** required followed by the selection of a sample from a certain population. After that, you need to **use a certain instrument** to collect the data from the selected sample





# Data collection techniques

## ➤ Using available information:-

- ❖ Usually there is a large amount of data that has already been collected by others, although it may not necessarily have been analyzed or published.
- ❖ We used this technique to get data from previous projects and the regulation of our college.



# Data collection techniques

## ➤ Observation:-

- ❖ Observation is a process of recording the behavior patterns of people, objects, and occurrences **without** questioning or communicating with them.
- ❖ We used this technique to get data too from **observe what problems that face us in the previous four year** that is the period of studying I the college.



# Data collection techniques

## ➤ **Interviewing:-**

- ❖ An INTERVIEW is a data-collection technique that involves oral questioning of respondents, either individually or as a group. Interviews can be conducted with varying degrees of flexibility.
- ❖ We used this technique to get data too from ask supervised doctor and teach assistance about any data we don't know.

# Research and Site visits

## ➤ Adarayn Academy

- ❖ The student can **chat** with the lecturer in the lecturer.
- ❖ The lecturer can **upload any materials** to student.
- ❖ The student find the **recorded videos** that explained before.
- ❖ The **student find the material** that the lecturer explain it ease.

# Research and Site visits

## ➤ Khan Academy

- ❖ The design is very simple that make dealing with the site is very easy.
- ❖ The student find the material that the lecturer explain it ease
- ❖ The student find the recorded videos that explained before.



# Research and Site visits

## ➤ **Corsera:-**

- ❖ Find a lot of courses that relating to all of the computer science and other aspect of learn.
- ❖ The lecturer can make the exam or quiz to the student that joined the course.
- ❖ The design is very simple that make dealing with the site is very easy.
- ❖ The student find the material that the lecturer explain from it ease.
- ❖ The student find the recorded videos that explained before.

# Research and Site visits

## ➤ **Udacity:-**

- ❖ The design is very simple that make dealing with the site is very easy.
- ❖ The student find the material that the lecturer explain from it ease.
- ❖ Find a lot of courses that relating to all of aspect of learn.
- ❖ The student fined the recorded videos that explained before.



# Features of our E-Learning website

- Ease to **communication between doctors and students** through **official site** under the supervision of the college.
- A page to allow **message chat** and **discussion** between doctors and students to ease **asking questions** and **exchange information** between them.
- Doctors, teaching assistants and students can **upload material**(books ,videos and others)



# Tools used in design & building

- Previous template
  - ❖ Is previous design made by someone and we used it and modifying the template to fit our project.
- Hyper Text Markup Language (.HTML)
- JavaScript and CSS.
- Java Server pages (.JSP)
- Java servlet Pages (.java)
- MySQL for database