

Smarties (E-learning system)

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E-Learning System

❖ Abstract

In this new era of electronics, we know the concept of E-learning, which does not include the use of paper and pen. There are many advantages of e-learning system.

In this e-learning system we can assign projects to students and can share documents and more easily. Students can login, they have access to documentation, assignment, view the things uploaded by the faculties, knowledge books. Faculty can login and manage the student details

This is how the new concept of E-learning came into existence, which is an easier and smarter system for colleges.

❖ Modules:

The system comprises of two major modules with their sub-modules as follows:

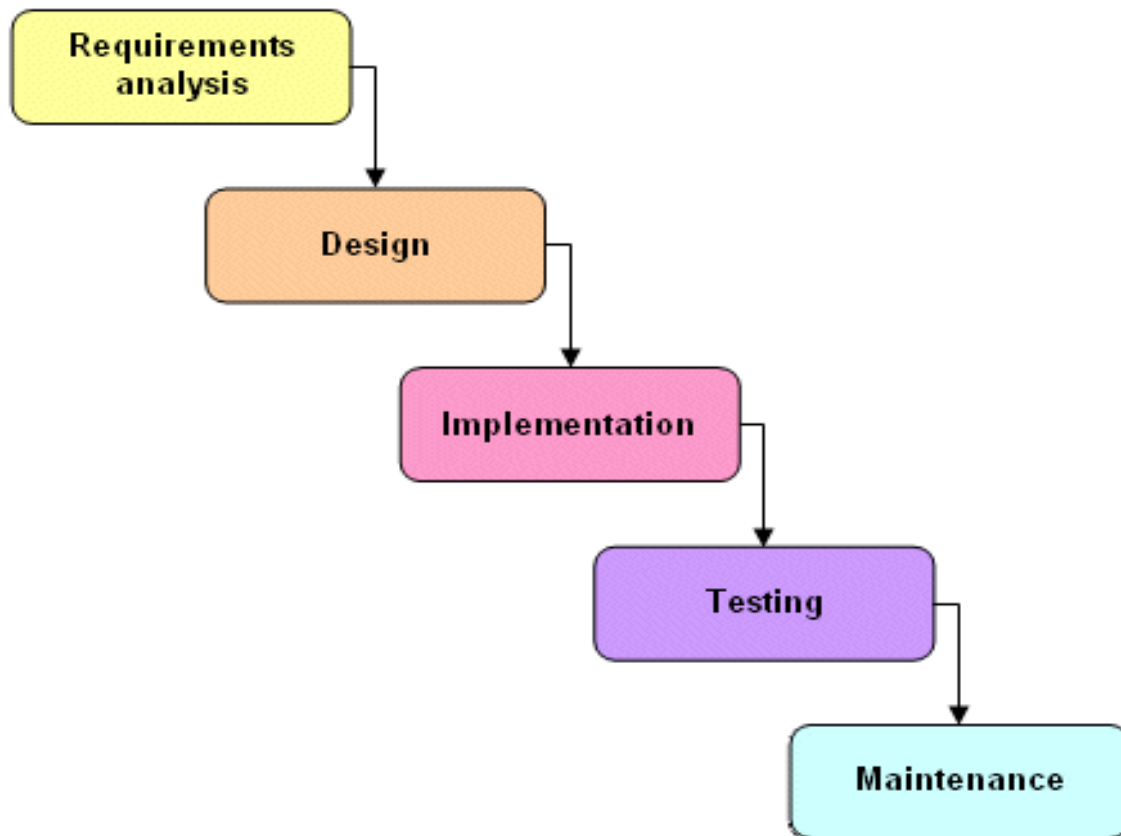
1. User/Student

- **Login:** User can login his account using id and password.
- **Lessons:** Can see the calendar
- **Exercise:** user can give the quiz.
- **Certificate:** Students can download the certificate after attempting the quiz.

2. Faculty/Admin

- **Login:** can login using credential.
- **Insert, update and delete:** can insert, update and delete documents.
- **View:** can view all the documents
- **Manage Student:** can manage students.

❖ Project Lifecycle:



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❖ Description

The waterfall Model is a linear sequential flow. In which progress is seen as flowing steadily downwards (like a waterfall) through the phases of software implementation.

This means that any phase in the development process begins only if the previous phase is complete.

The waterfall approach does not define the process to go back to the previous phase to handle changes in requirement.

The waterfall approach is the earliest approach that used for software development.

❖ **Hardware Requirement:**

- Computer or Smartphone
- Internet Connection

❖ **Software Requirement:**

- Browser

❖ **Characteristics:**

- Confined to Web-based and Internet-based learning.
- More than on-line learning.
- Exclusion of non-Internet and non-Web technology

❖ Advantages

- It is smart learning application
- Avoiding paper use
- Easy access
- Interesting and motivating
- Flexibility

❖ Limitation

- Lack of equipment
- Require knowledge and skills
- Adverse effect on health
- No face-to-face interaction.
- Lack of flexibility.
- Cheating prevention during online assessments.