



CSE 3001

# Software Engineering

## ONLINE COLLEGE ADMISSION MANAGEMENT SYSTEM

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**Aim:**

To develop a prototype for Online College Admission Management System.

**Objective:**

Our objective is to develop a system for the students That will help the students to easily get information about different colleges without wasting any time by going to different websites for different colleges. Also an exam calendar for the students so that they do not miss enrolling in any of the entrance exams.

**Applicability:**

This project is primarily beneficial for the students applying for colleges. The Management System will also come handy for the Educational Institutions providing them with ease of access and convenience at one place.

- The prototype can be used to reduce the time taken by students to search for a suitable college, thereby saving precious time and effort.
- While on the other hand, the Educational Institutes can use it to know about all the interested candidates, their qualifications and achievements all at one place.

**Scope:**

Features of our system include:

- Helping the students in selecting the college
- Making an exam calendar for the students to keep track of all the exams and not forget about an exam

- Containing the details about different colleges like placements, amenities, cutoff etc.
- Helps the students in taking admission by providing the links of the college and application form

#### Out of Scope-

- Cannot get selected into the college directly
- Cannot recommend a suitable college for a student

#### **Process model for our project:**

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 was used for software development.

- We use this model because of its Process visibility which helps to make our project easy.
- Also in the waterfall model there is a feature of Separation of tasks which divides the task into short phases of work and frequent reassessment and adaptation of plans. It helps in reducing difficulty of planning the project.
- No overlapping-In Waterfall, all the phases are linear therefore all the tasks are sequential and there is no chance for tasks to be overlapping.
- Extensive Documentation-All the steps, tasks, requirements as well each phase are extensively documented. This helps to audit project artefacts easily. Each phase has specific deliverables.
- Another plus point in using a waterfall model is that it is also very cost efficient.