PRACTICAL – 2

AIM: Identify Suitable Design and implementation model from the different software engineering models.

DISCRIPTION:-

TO KNOW WHICH MODEL IS BEST TO BIULD PREFECT STUDENT MANAGEMENT SYSTEM.

AN WHY OTHER MODELS WAS NOT USED.

1. WATERFALL MODEL: -

The waterfall model is a sequential, plan driven-process where you must plan and schedule all your activities before starting the project. Each activity in the waterfall model is represented as a separate phase arranged in linear order.

The sequential phases in Waterfall model are −

• Requirement Gathering and analysis

• System Design

• Implementation

• Integration and Testing

• Deployment of system

• Maintenance

1. INCREMENTAL MODEL: -

The incremental model divides the system’s functionality into small increments that are delivered one after the other in quick succession. The most important functionality is implemented in the initial increments.

The subsequent increments expand on the previous ones until everything has been updated and implemented.

Incremental development is based on developing an initial implementation, exposing it to user feedback, and evolving it through new versions. The process’ activities are interwoven by feedback.

1. PROTOTYPING MODEL: -

Prototyping Model is a software development model in which prototype is built, tested, and reworked until an acceptable prototype is achieved. It also creates base to produce the final system or software. It works best in scenarios where the project's requirements are not known in detail. It is an iterative, trial and error method which takes place between developer and client.

OPINION:

WE WILL USE INCREMENTAL MODEL BECAUSE

* Generates working software quickly and early during the software life cycle.
* More flexible – less costly to change scope and requirements .Because it provide step by step procedures and each and every thing has been updates

WHY WEW DON’T USE OTHER MODEL?

Waterfall model:-No working software is produced until late during the life cycle. High amounts of risk and uncertainty. Not a good model for complex and object-oriented projects.

Prototyping model:- It has poor documentation because of continuously changing customer requirements. There may be too much variation in requirements