SOFTWARE ENGINEERING ASSIGNMENT

SUBMITTED TO:
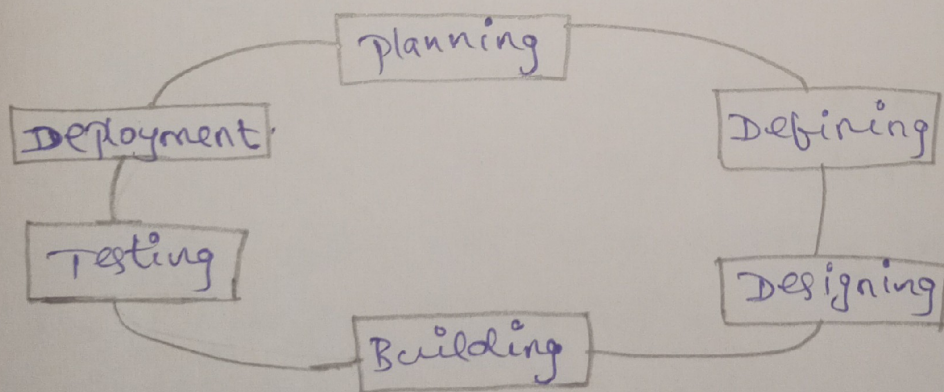ROUFAL SIR

SUBMITTED BY:
K. ANSAR
BSC. CS

Topic : SDLC

SDLC

SDLC (software Development Life cycle) is a process followed for a software project, within a software organization. It consist of a detailed plan describing how to develop, maintain, replace and alter or enhance specific software. The life cycle defines a methodology for improving the quality of software and the overall development process.

The following figure is a graphical representation of the various stages of a typical SDLD:

```
                    planning
   Deployment                    Defining

   Testing                       Designing
                    Building
```

Stage 1 : planning =
        Planning for the quality assurance requirements and identification of the risks associated with the project is also done in the planning stage.

Stage 2 : Defining Requirements =

Once the requirements is done the next step is to clearly define and document the product requirements and get them approved from the customer.

Stage 3 : Designing the product =

SRS is the reference for product architects to come out with the best architecture for the product to be developed.

Stage 4 : Building the product =

In this stage of SDLC the actual development starts and the product is built. The programming language is chosen with respect to the type of software developed.

Stage 5 : Testing =

This stage is usually a subset of all the stages as in the modern SDLC, the testing activities are mostly involved in all the stages of SDLC.

Stage 6 : Deployement =

Once the product is tested and ready to be deployed it is released formally in the appropriate market.