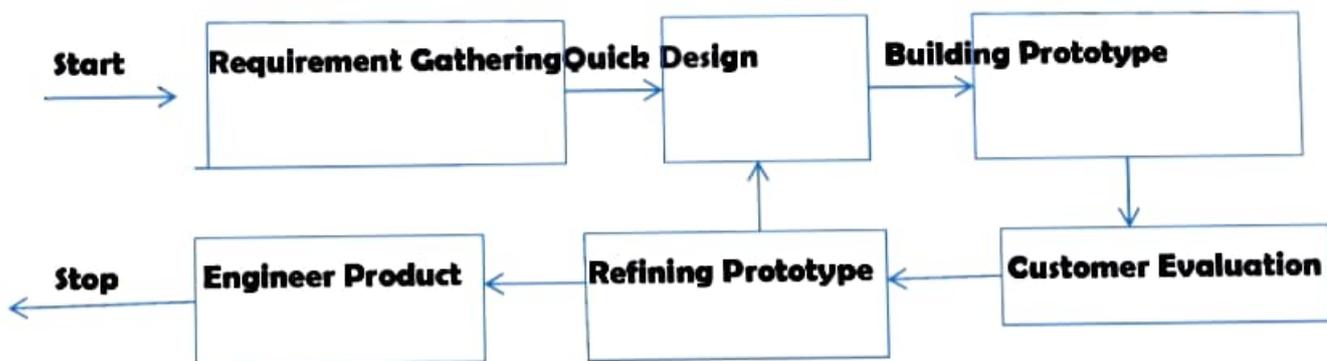


a). Waterfall Model is a Sequential Approach where prototype is iterative(changing approach).

b).A prototype is a working system like develop to test idea the new system.

c).Prototype is a process of building Model of the system is to develop.



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d). In this approach is used when it is difficult to know all the requirement in the beginning of the project such situation arise the following cases:-

1).User cannot provided all the requirement.

2).No other system like purpose system was built earlier.

e).This Model can be also used in a situation when the customer wants a quick delivery.

f).The computer system is based on iterative model where customer always changes to built a better model.

### **3) Spiral Model:-**

- a). This Model is proposed by Boem recently.
- b). This Model is combined approach of classic life cycle and prototyping.
- c). The activities in this Model organized like a Spiral that has many cycles.
- d). The radial dimension represents the commulative costs incurred in accomplishing the steps alone so far.
- e). The angular dimension represents the progress made in completing each cycle of the Spiral.

**Figure:-**

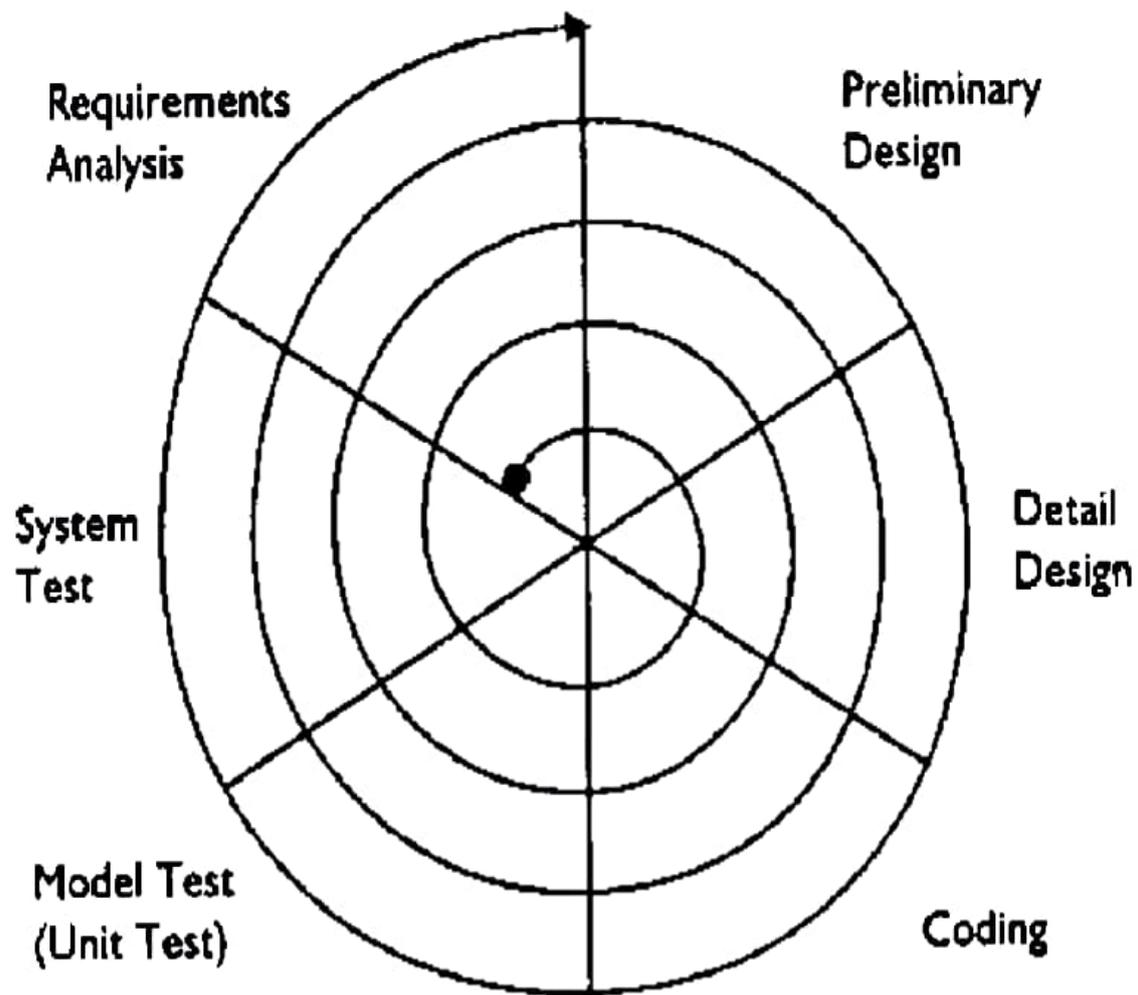


FIGURE 3: SPIRAL MODEL ADAPTED FROM [10].

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***Each cycle of Spiral Model contain 6 major activities:-***

***1).Customer Communication***

The task required to establish effective communication with customer and developer.

### ***2).Planning***

Determination of objectives , alternatives , and constraint.

### ***3).Risk Analysis***

Identification of both technical and management risk.

### ***4).Engineering***

Development of next level of product.

### ***5).Construction and Release***

To constructs , test , install and provides to users support.

### ***6).Customer Evaluation***

Assessment of the result of re-engineering i.e. Customer Feedback.

## ***SRS:-(Software Requirement Specification)***

1).It is a set of document that contains clear and concise specification of the functional performance , design and interface requirement of the purpose system.