**Chapter 3**

**SYSTEM REQUIREMENT STUDY**

**3.1 Software Process Model**

For the development of the project **ONLINE JOB PORTAL SYSTEM,** SPIRAL MODEL is best suited. The spiral model is a software development process combining elements of both design and prototyping-in-stages, in an effort to combine advantages of top-down and bottom-up concepts.

We have selected this model as it is a risk-reduction oriented model that breaks a software project up into mini-projects, each addressing one or more major risks. After major risks have been addressed, the spiral model terminates as a waterfall model.



**Fig. 3.1 Spiral Model**

## Objectives

## Introduction

**Project Perspective**

**3.2 Software and Hardware Requirement:**

**3.2.1 Software Requirement:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tools/Technology** | **Front-end** | **-** |  |
| **Back-end** | **-** |  |
| **Browser** | **-** |  |
|  | **Editor** | **-** |  |
| **Operating System** |  | | |

* + 1. **Hardware Requirement:**

|  |
| --- |
|  |

## 3.3 User Characteristics:

|  | **Description** | **Tasks / Responsibilities** |
| --- | --- | --- |
| Admin |  |  |
| Consultant |  |  |
| Visitors |  |  |

## 3.4 Interfaces

**3.4.1 User Interface**

**3.4.2 Communication Interface**

**3.4.3 Software Interface**

## 3.5 Constraints:

**3.5.1 Assumptions and Dependencies:**

**2.8 User Requirements:**

**2.8.1 Functional Requirements:**

**2.8.2 Non Functional Requirements:**