Software Engineering and Project Management – Assignment - 5

Work Breakdown Structure & Gantt Chart

Group No -5

Group Members –

Shaunak Khatavkar – 28

Aditya Sodani - 3

Aishwarya Shahane –4

Akash Shirude –6

Kirti Alkari –30

1. Work Breakdown Structure (Outline view)

Newspaper Billing System

1. **Initiation**
   - **1.1.** Meet with the client to discuss & understand the requirements of the client.
   - **1.2.** Gather requirements and finalize requirements
   - **1.3.** Gather deliverables
2. **Planning** (**Design** the product)
   - **2.1.** Finalize objectives of the project
   - **2.2.** Create preliminary scope statement
   - **2.3.** Describe functional and non-functional requirements
   - **2.4. Software Requirements Specifications**
     - 2.4.1. Entity Relationship Model
     - 2.4.2. Data Flow Diagrams
3. **Design the system**
   - **3.1.** Design UI
   - **3.2.** Design database (backend)
   - **3.3. Execution** (**Develop** the product)
   - **3.4. Procure the software/hardware**
     - 3.4.1. Netbeans IDE
   - **3.5. Install Development System**
     - 3.5.1. Java Development Kit
     - 3.5.2. MySQL Database management system
   - **3.6. Components in the software**
     - 3.6.1. **User Authorization (Login into the system)**
     - 3.6.2. **Customer Details**
       - 3.6.2.1. Manage customer details
     - 3.6.3. **Newspaper Details**
       - 3.6.3.1. Manage newspaper details
     - 3.6.4. **Subscriptions Details**
       - 3.6.4.1. Manage subscription for each customer
     - 3.6.5. **Bill generation**
       - 3.6.5.1. Generate bill for each customer
4. **Test the Product**
   - **4.1. Unit testing**
     - 4.1.1. Customer Details
     - 4.1.2. Newspaper Details
     - 4.1.3. Subscription Details
     - 4.1.4. Bill generation
     - 4.1.5. Admin Details
     - 4.1.6. Password recovery through email

4.2. Integration testing

5. **Deploy the product**
   5.1. Installation
   5.2. User Training
   5.3. User manual

6. Gantt Chart –

	23-02-2021	05-03-2021	15-03-2021	25-03-2021	04-04-2021	14-04-2021	24-04-2021	04-05-2021

Research + Analysis

Meeting with Client

Gather requirements

Requirements finalized

Objectives of software

Scope of system

Describe functional and non-functional requirements

Design

User Interface

Software Specification Requirements

ERD and DFD's

Deliver final design

Implementation

Application Development

Testing System

Documentation Inspection

Roll out