

**SOFTWARE ENGINEERING LAB - 20CS2050**

**MODEL LAB**

**NAME: RUBAN GINO SINGH.A DATE: 25/10/2021**

**REG NO: URK20CS2001**

**CLOTH SHOP MANAGEMENT SYSTEM**

**OBJECTIVE:**

The object of this experiment is to create class diagram, COCOMO Calculation and the Website validation for the project **CLOTH SHOP MANAGEMENT SYSTEM**

**DECRIPTION OF THE PROJECT MODULE (300 words):**

The Description of this project is to create a cloth shop management system, here in this cloth shop management system, The users can buy and sell cloths each and everything has to be carried out by the Automated server. There are seven classes are connected by aggregation and the generalization, this class diagram has the basic functionalities of buying cloths, selling cloths from shops, manager is to managing the cloths and other functionalities like security and the databases. Here, this system has three interfaces namely, Application Interface, User Interface, and the Management Interface. Such interfaces are the main part of this Cloth Management System.

**PART 1 – SPECIFIED DIAGRAM: (Start Time: 11:20AM | End Time: 11:40AM)**

**CLASS DIAGRAM:**

**Diagram

Description automatically generated**

Here, the class diagram for the Cloth Shop management system clearly states that the system has seven classes. Where the Cloth shop management system, help desk, admin, cloth stock inventory, managers, brands and the consumers.

**PART 2- CALCULATION/TESTING: (Start time: 11:45 to 12:00PM)**

**COCOMO MODEL (Website Validation):**

**Graphical user interface, text, application, email

Description automatically generated**

**MANUAL CALCULATION (Semi Detached Mode):**

KLOC = 4

Effort = a\*KLOCb = 3\*41.12 =3\*4.7239 = 14.17

Duration = c\*effortd = 2.5\*14.170.35 = 6.32

Staffing = effort/duration = 14.17/6.32 = 2.24

**VIDEO EXPLAINATION TIMING:**

**Start time: 12:20PM**

**End time: 12:24PM**

**RESULT:**

Thus, the class diagram, COCOMO model manual calculation and website validation for the project **CLOTH SHOP MANAGEMENT SYSTEM** is carried out successfully.