

**END SEMESTER EXAMINATION (NOV 2021)**

**Subject:** SOFTWARE ENGINEERING LAB **Date:** 8/11/2021

**Subject Code:** 20CS2050  **Time:** 11:00 AM- 12:45 PM

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**CLOTH SHOP MANAGEMENT SYSTEM**

**OBJECTIVE:**

The Objective of this Experiment is to draw the Class diagram for the project Cloth Shop Management System and COCOMO model manual calculation for semidetached model along with website validation.

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

The description of this class diagram states that the class diagram is for Cloth shop management system where the System has large number of cloths for user and sellers to buy and sell from any point of the world. It has Administrator who has in charge of managing user’s, sellers, admins, accounts. This system will have been providing a minimalist User Interface for better user experience around each and every part of the website. The class diagram for this Cloth shop management system is drawn along with the COCOMO model manual calculation and Website validation.

**PART 1 – SPECIFIED DIAGRAM:**

**CLASS DIAGRAM:**

**CLOTH SHOP MANAGEMENT SYSTEM**

**Diagram

Description automatically generated**

This Class diagram of this cloth shop management system indicates there is seven classes are available to sell, buy, search clothes. Here it all begins with the user level permission, After the permission granted the user can redirect to the user Interface, the admin will be redirect to the admin dashboard and the seller will gone through the seller Interface respectively.

**PART 2- CALCULATION/TESTING:**

**MANUAL CALCULATION:**

Effort = a\*KLOCb = 3\*31.12

**Effort = 10.268**

Duration = c\*effortd = 2.5\*10.2680.35 = 2.5\*2.2595

**Duration = 5.648**

Staffing = effort/duration

**Staffing = 1.81**

**WEBSITE VALIDATAION:**

**Graphical user interface, text, application, email

Description automatically generated**

**Gmeet video link of the screen recording:**

**Video Explanation Start Time: 12:00pm**

**Video Explanation End Time: 12:03pm**

**RESULT:**

As a result, the Class diagram and COCOMO model manual calculation and website validation was carried out successfully.