./

Learning Report – Applied System Development Life Cycle and Software Testing



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##### **ACTIVITY 1- APPLIED SDLC (CALCULATOR)**

INTRODUCTION:

A secure, Convenient and portable Non-Programmable-Scientific Calculator.

MY PRODUCT- ‘CALCULATOR’:

Our calculator has a flip model making it more compact and handy. It has a PIN security by which it is made secure to random thefts.

SWOT ANALYSIS:

|  |  |
| --- | --- |
| Strengths   * Faster Input speed * User friendly * Portable and Compact * Secure | Weakness   * Lesser functions * Average processor |
| Opportunities   * Educational market * Trend Setter * Made in India | Threats   * No PIN recovery * Flip design may be a flop. |

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REQUIREMENTS:

1. COST AND FEATURES:

Cost 🡪

|  |  |  |
| --- | --- | --- |
| Casio FX 5800 P (Programmable)  4555 RS | Casio FX 9960 GIII (Non color)  7120 Rs | Casio FX CG50 (color)  11870 Rs |
| Casio FX 350MS (240 functions)  522 Rs | Casio FX 100MS (300 functions)  831 Rs | Casio FX 991 EX Classwiz (522 functions)  1230 Rs |
| 8 digit Casio HL 4A  100 Rs | 12 digit Casio NJ 120D  247 Rs | 12 digit robust Casio MJ 12  418 Rs |

Features 🡪

1. 4W1H:

**What?**

A portable, secure, convenient and user-friendly calculator.

**When?**

Most effective during exams.

**Where?**

In educational institutions worldwide.

**Why?**

To give the relevant features and convenience at an affordable price.

**How?**

By compensating the price of irrelevant features/functions for the convenience of the users.

1. OUR PRODUCT FEATURES:

-Auto Parenthesis.

-Flip model.

-Capacitive buttons.

-PIN security.

DESIGN:

1. HIGH LEVEL DESIGN