Research on calculator

* Scientific calculator
* Programmable scientific calculator
* Graphing calculator
* Abacus
* Printing
* Mini calculator
* Basic Calculator
* Non-graphing calculator

Product Features

* Solar power charging
* Biodegradable material
* Inbuilt Function
* Backlit keyboard

Cost vs features Graph

|  |  |  |
| --- | --- | --- |
| Basic | Programmable |  |
| Mini | Non-Graphing | Printing |
| Abacus | Scientific | Graphing |

COST

Features

SWOT Analysis

|  |  |
| --- | --- |
| Strength   * Durability * Numerous iteration possible * Easy access | Weakness   * Weight * Cost |
| Opportunities   * Various in-built Function * Solve complex equation | Threats   * New programable calculator in the market * Time complexity is high for some complex equation |

|  |  |
| --- | --- |
| Requirement ID | Description |
| HLR | * Less Mathematical Errors * Fast processing * Portability * Rigidity |

|  |  |
| --- | --- |
| Requirement ID | Description |
| LLR | * Condition to be verified for mathematical calculation * Microprocessor used for processing calculation |

4W and 1H

What?

Advance programmable Graphic Calculator.

Where?

Research work and iterative work.

Why?

Iterations can be saved with various built in function calculation.

When?

For calculations in signal processing and for simple calculations.

How?

Using biodegradable ocean plastic and enhancing the performance by using SSD.