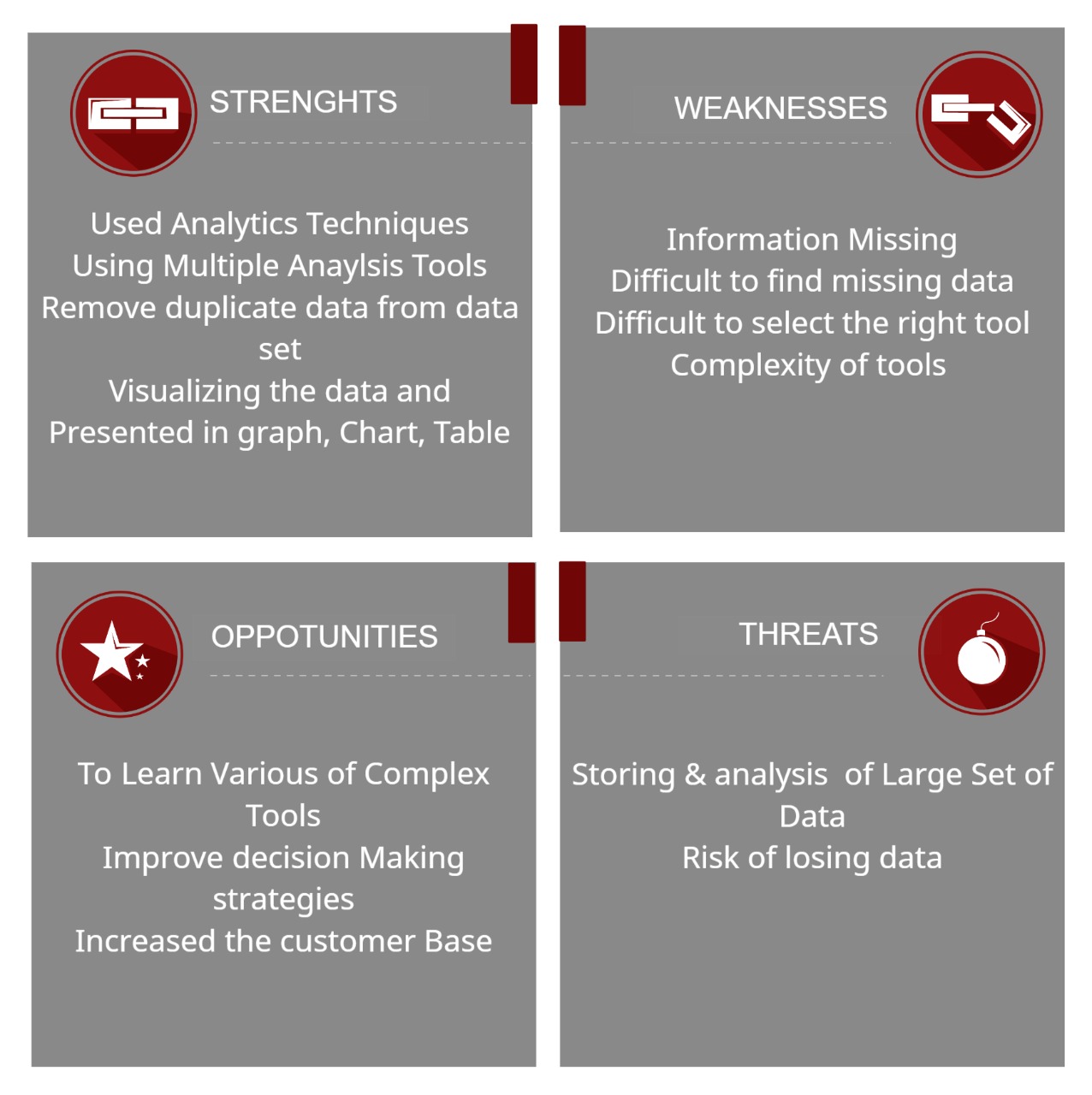
**High level Requirements:**

|  |  |
| --- | --- |
| **Requirement Id** | **Description** |
| Student Score |  |
|  |  |
|  |  |
|  |  |
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|  |  |

**SWOT: -**

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**4W H1**

## 4W1H:

## What- Data analysis refers to the technique of collecting raw data, analyzing it and transforming it into information that can be used to reach a specific conclusion.

## Why- Data analysis provide you with more insights into your customers, allowing you to tailor customer service to their needs, provide more personalization and build stronger relationships with them.

## When- The systematic application of statistical and logical techniques to describe the data scope, modularize the data structure, condense the data representation, illustrate via images, tables, and graphs, and evaluate statistical inclinations, probability data, to derive meaningful conclusions,

## Where- Data Scientists and Analysts use data analytics techniques in their research, and businesses also use it to inform their decisions.

## How- It is a way of thinking and resolving the problems. Includes setting goals, collecting, cleaning, and analyzing data, then With We Check parameters like what benchmark to select for checking the quality of requirement

**Test Plan: -**

**Low Level**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TEST ID | DESCRIPTION | EXPECTED INPUT | EXPECTED OUTPUT | ACTUAL  OUTPUT |
| L\_01 | Check for the empty values  (requirement based) | Leaves empty values in input module | Prompt display missing values | Missing value as 0 |
| L\_02 | Check if the e-mail id is entered not correctly  (boundary based) | Incorrect e-mail id | Prompt to display correct email address | Mail not sent due to wrong e-mail id |
| L\_03 | To check if multiple ID’s with same credentials display in same order depending on the alphabetic order  (scenario based) | Scores resulting to same total values for multiple id’s | Id’s displayed in alphabetical order for same values | Id’s displayed with corresponding marks in alphabetical order  successfully |

**High Level**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TEST ID | DESCRIPTION | EXPECTED INPUT | EXPECTED OUTPUT | ACTUAL  OUTPUT |
| H\_O1 | To check if the statistical analysis has produced all the required outputs such as max, medium, histogram, etc. (Requirement-based) | Input modules with all values within boundaries | Statistical analysis for all inputs | Produced statistical analytical results for all inputs successfully |
| H\_02 | To check if e-mail is triggered to every stakeholder. (Scenario-based) | Module with e-mail IDs of stakeholders other than students | e-mail triggered to every stakeholder. | Mails not triggered to stakeholders other than students |
| H\_03 | To check if the results are not more than input rows (Boundary-based) | Mark values of all students | Output rows same as input rows | Repetition of student IDs after input module integration |