1. Project Title:

An Evaluation of Student Performances in Online vs. Physical Learning Environments

2. Description:

With the introduction of online learning during the pandemic and its continuation as a mode of learning alongside physical learning, the need to understand whether different learning environments tend to affect academic performance is imperative. In this study, an investigation of whether or not the mode of education bears any significance on academic performance will be undertaken. This will be achieved through data collection, analysis and hypothesis testing to report whether any such significant differences occur between the two groups of students - the group of students in online learning and the group of students attending physical classes.

3. Research Objectives:

- Compare the performances between online vs. physically participating respondents.
- Assesses if the mode of education influences academic output.
- Examine preference and perspective of respondents toward both environments.
- Statistically test if the mean performances differ between the two groups.

4. Course Topics Covered:

Hypothesis Testing, Statistical Inferences

5. Data Source:

Data will be sourced from real-world observations, surveys and secondary data sources. Primarily, data will be obtained from a specific target audience by sending out structured questionnaires that will provide the research with structured answers. The questionnaires will gather information on their mode of learning, their grades, how much they engage and their level of satisfaction with their selected mode of learning.