**Unveiling the Virtual Classroom: An In-depth Analysis of the Online Education System**

**Problem Specification:**

Educational institutions remain closed due to the effect COVID-19 pandemic all over the world and risking the academic calendars. Most educational institutes have selected online learning platforms as a medium to engage the academic activities. However, the questions about the preparedness, designing and effectiveness of e-learning is still not clearly understood, particularly for a developing country like India, where the technical constraints like suitability of devices and bandwidth availability poses a serious challenge.

The study explored the student’s preferences for various attributes of online classes, which will be helpful to design effective online learning environment. The results indicated that majority of the respondents (70%) are ready to opt for online classes to manage the curriculum during this pandemic. Majority of the students preferred to use smart phone for online learning. Using content analysis, we found that students prefer recorded classes with quiz at the end of each class to improve the effectiveness of learning.