**TEAM-03**

**WIKI-PAGE-LINK:**

<https://github.com/s566466div/GDP-Project-EduLearn-03/wiki/Problem-Statement-(Draft-2)>

**Problem Statement (Draft 2)**

When it comes to online learning platforms, a lot of inefficiencies get in the way of the smooth operation and ideal user experience, so it's important to look closely at the problems that arise. The current generation of online learning platforms has several obstacles that prevent them from being effective and from satisfying users in all areas of the platform. The achievement of learning objectives and the provision of a supportive learning environment are consistently hampered by these inefficiencies.

Firstly, the limitations in search and filtering options within the course catalog pose significant hurdles for users. The inadequacy of these capabilities undermines users' ability to discover and enroll in courses efficiently, consequently discouraging exploration and hindering the discovery of new content.

Second, people's learning processes are disrupted when necessary course materials are not always available. Unreliable access to reading materials and video courses breaks up the learning process and degrades the entire study experience.

Moreover, inconsistency in assessment results further exacerbates the challenges faced by users. The unreliable outcomes of assessments impede users' perceptions of their own performance and progress, leading to difficulties in completing quizzes and homework accurately.

Furthermore, technical issues related to video streaming significantly impede the smooth delivery of lecture content. Buffering problems and playback issues disrupt the streaming experience, causing frustration and interruptions during the learning process.

The inefficiencies present in the current online learning systems are made worse by the delay in receiving course materials and progress data. Inadequate technology for data storage and retrieval impede timely feedback and progress monitoring, leading to delayed access to crucial course materials and progress data.

Additionally, usability and accessibility concerns persist across multiple devices, posing challenges for users. The restricted compatibility of the platform across devices leads to usability and accessibility issues, contributing to an uneven educational experience.

Moreover, the absence of a comprehensive course dashboard and progress tracker further complicates users' ability to monitor their learning activities effectively. The lack of a centralized platform for tracking progress and managing course activities adds to user confusion and frustration.

Finally, there is a serious security risk associated with the possibility of unwanted access to private user information. User security and privacy may be jeopardized by inefficiencies in the server backends user authentication and permission procedures, which put users at danger of unwanted data access.

To sum up, there are a lot of inefficiencies in online learning platforms right now that prevent them from being productive and from satisfying users. In order to overcome these obstacles, a thorough grasp of the underlying problems and a determined effort to put solutions in place that improve these platforms' usability and functionality are needed.