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Virtual Classroom Committee

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The primary aim is to have recorded lectures for providing students a better mode of learning. The following suggestions are proposed:

1. **Live Recording :** The lectures given by professors be recorded and put up online for future reference of students.

   Background : The process of getting classroom lectures recorded started around a decade ago in Stanford University. Since then, it has been adopted by top universities in world for improving the learning experience of students. Students have gained a lot via such projects. In our campus, the Computer Science Department has already started this practise.

2. **Virtual Classroom :** Recorded lectures uploaded on the web before the class. This will aid to increase classroom interaction.

Both the modes will contribute in enhancing the learning mechanism. It is per the will of instructors to choose which one would they like to prefer. As a pilot, we suggest the following:

1. **Option 1** be opted for courses in which more than 300 students are enrolled.
2. **Option 2** be opted for courses with low class strength.

Based on the feedback of students and faculty, we can formulate a generic policy hence forth.

Advantages :

1. It may not be possible to understand every little concept in class.
2. Students will be able to learn things according to their own pace.
3. Helping out weak students to understand the course matter.
4. Making up for missed lectures.

Virtual Classroom:

1. More focus on discussion aspect.
2. Instructor may use the same lectures over years and need not indulge in delivering the same content again.

Disadvantages:

Classroom Attendance will be the key concern. For online learning can never be a substitute of classroom learning, a significant dip is not expected.

Logistics/Technical requirements

1. L-15 and L-16 have been specifically designed with equipment to record lectures.

2. There are 2 modes of teaching :

   a) One, via Slides. That may require around 2 hours of processing to sync the audio with the text, eliminate unwanted noise and can then be made available.

   b) Second, via chalk-board, which requires not more than a hour for processing.

3. Depending on the number of courses that come under the umbrella of this project, either a large manpower or alternatively, sophisticated technology is required. We can either hire a local vendor from the city, or employ more people (if required) in Media Centre to get the work fulfilled.

4. We may need an internal server to put up the lectures, for many instructors may not like the idea of putting up the lectures open for public.

5. NPTEL mechanism to record lectures can be used for pre-recording.