

Date:



GLUING TRADITIONAL AND ONLINE TEACHING

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The course



- ❑ Mechanics, Oscillations & Waves (1st year Physics course)
- ❑ ~450 students
- ❑ 2 Lectures + 2 Tutorials per week for each section
- ❑ 2 sections.

What I did : a few tweaks

- ❑ Recorded lectures before-hand
- ❑ *Uploaded them just before the lecture*
- ❑ *Students watched the lecture during the lecture-hour*
- ❑ At their own pace
- ❑ *Within recorded lecture built in a means to “talk” to students.*

Shift to online teaching : Initial fears.



- Replacement for blackboard ?
- 50 minutes talking into a screen non-stop !
- No faces to gauge student response & adjust the lecture.
- Pose questions & receive questions – heart of the class.

Putting up recorded lectures looked like the way ahead for me.

When should students watch the lectures?



- **Option-1** : Watch recordings before coming to the lecture.
 - ❖ Are the students disciplined enough ?
 - ❖ Won't that effectively double the contact hours ?
 - ❖ Aren't tutorials the occasions for clearing doubts?
 - ❖ I had no sensible plan on using the lecture contact hours.

- **Option-2**: Watch recording during the lecture











Its a “live class” at the student’s own pace.

A snapshot



Boundary effects on waves



-  (6:09 mins) A question | wave propagation a... Edited Mar 23
-  (5:16 mins) A further question | wave propa... Edited Mar 23
-  (6:20 mins) Our aim | wave propagation acr... Edited Mar 23
-  (18:09 mins) Boundary conditions Edited Mar 23
-  (19:38 mins) Reflection & Transmission of sin... Edited Mar 23
-  (6:57 mins) Reflection & Transmission of...  1 Edited Mar 23
-  Slides (Video 1-6) Posted Mar 25  

Survey: Recorded or Live streaming ?

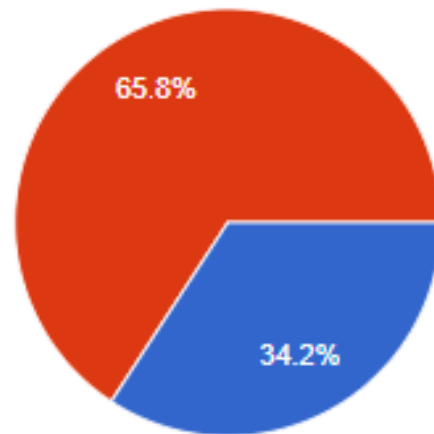
innovate

achieve

lead

For lectures, will you prefer Live streaming of video instead of watching recorded lectures (at regular lecture hour)

76 responses



- I will prefer live streaming
- Prefer watching recorded lecture



Fresh doubts : after a couple of sessions

- ❑ Could not pose questions to students.
- ❑ Felt cut-off from the students progress in watching lecture.

Make it a bit more like regular lectures

- ❑ Stop worrying ! Lecture in same 'style' as a regular lecture.
- ❑ Pose questions just the same way.
- ❑ However, students answer the questions in a google-form
- ❑ Spin-offs
 - ❖ Immediate statistics of student response known.
 - ❖ How many students have reached the milestone known.
 - ❖ Gives an opportunity to interact verbally with students.

Student response



- ❑ TLC@Goa survey conducted.
- ❑ Amongst a handful of courses that students mentioned, the lecture method of MOW found mention.



Thank
You