

Designing learner-centric e-learning in STEM disciplines
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Lecture - 01
Course Preview

We are offering this course Designing learner-centric e-learning in STEM disciplines, why you are offering this course?

E-learning is ubiquitous today; however, within the available content there is a wide range in terms of the format, the degree of interactivity, the quality of learner experience and so on. What we are trying to achieve when we design e-learning content is how to improve learner engagement and learning. This course focuses on a learner-centric approach to the design of e-learning to address this course.

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Now, since we know the focus of the course, who all do you think should enroll for it?

This course is relevant for those who seek to learn the principles and practices, for how to design effective e-learning. This includes students, who may wish to learn the pedagogical knowledge, the exposure to current technologies and design strategies. This course may be of interest to

industry professionals such as instructional designers those who design ICT based content, educational bloggers and teachers who may wish to create engaging online content for their students. The examples in this course will focus on topics from STEM disciplines.

What do the learners expect to learn from this course?

This course is offered as part of the academic curriculum in our M tech and PhD courses at IIT, Bombay.

In this course we learnt about the essential foundations of instructional design. Starting with defining the learning objective and designing appropriate learning activities grounded in the theories of learning, for making learning more engaging and productive.

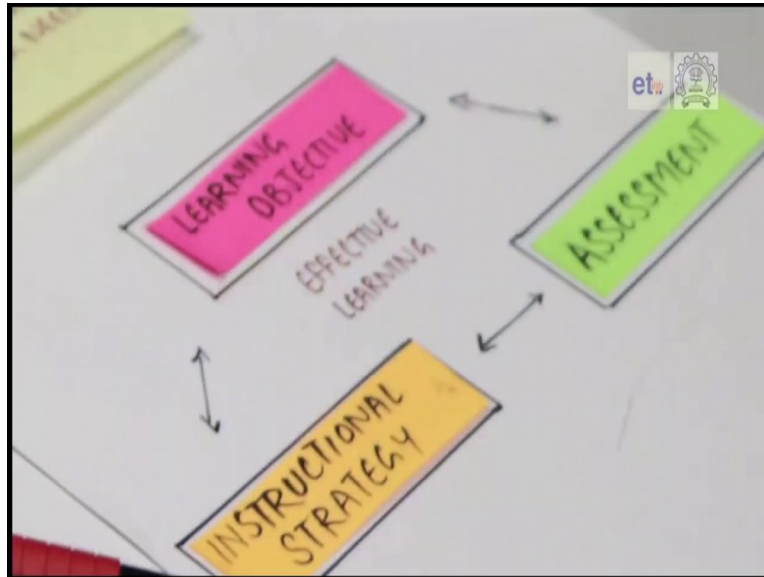
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I learned several basic and advanced technologies, their accordance's and their effective integration in the pedagogical design of e-learning content.

We also explored the diverse applications of e-learning designs in education. In fact, at the end of this course, we were all able to get on learning designs in STEM disciplines.

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This course will focus on the research-based principles and pedagogical strategies, underlying the effective design of e-learning, which promotes learners cognitive engagement and offers them a rich learner-centric experience. We look forward to having you all participate in this course; let's get started.