DESIGNING LEARNER - CENTRIC MOOCS

MULTI FACULTY

INTENDED AUDIENCE : Teachers, MOOC creators
INDUSTRIES APPLICABLE TO : Companies creating online courses. L&D (Training) divisions in companies across various sectors

COURSE OUTLINE :
Massive Open Online Courses (MOOCs) have become a popular avenue for diverse learners to upgrade their knowledge and skills. Instructors who are new to creating MOOCs tend to focus on the use of technology features to mimic their classroom actions. While it is necessary to be aware of the technology affordances, it is more important to focus on the pedagogy of how to use the MOOC features effectively to foster student engagement and learning. Hence MOOC instructors need a set of design principles and guidelines to create a learner-centric MOOC.

In this course, we will discuss the Learner-Centric MOOC (LCM) model, and how to apply it to create effective MOOCs.

ABOUT INSTRUCTOR :
Prof. Sameer Sahasrabudhe is a Professor of Practice in Design, at IIT Gandhinagar. He has a cumulative experience of over 25 years in various fields such as advertising, animation film-making, and educational multimedia production. He has contributed to the development of the Learner–Centric Model and has created many MOOCs for IITBombayX, edX, and SWAYAM. His course on 3D visualization and animation is subscribed by over One lakh learners worldwide and was shortlisted for the edX prize 2019. Sameer holds a PhD in Subject Communication; PG Diplomas in Distance Education and Animation Film-making; and a Graduation in Fine Arts.

Prof. Sahana Murthy is Professor in the Educational Technology interdisciplinary program at IIT Bombay. Her research interest is in developing students' problem-solving, design thinking and inquiry practices in STEM domains via interactive technology enhanced learning environments. Another area of focus is Teacher Use of Educational Technologies, which has led to the design of models and large-scale professional development workshops for for instructors. One such model, the learner-centric MOOC (LCM) model has formed the basis for several online and blended courses on NPTEL and IITBombayX platforms. Before joining IIT Bombay, she was a post-doctoral researcher in Physics Education Research at Rutgers University and MIT, USA. She received her Bachelor's degree from the University of Mumbai, Master's degree in physics from IIT Bombay, and PhD in physics from Rutgers University.

Prof. Jayakrishnan M is a Senior Scientist at National Programme for Technology Enhanced Learning, IIT Madras. He completed his PhD in "A Model for Large-scale In-service Teacher Training in Effective Technology Integration in Engineering Education" from the Inter-Disciplinary Programme in Educational Technology at IIT Bombay. His research interests in the field of Educational Technology include Teacher Technology Integration, Massive Open Online Learning, Sustainability in Teacher Professional Development and Computer Supported Collaborative Learning.

COURSE PLAN :

Module 1 - Overview & Introduction

Module 2 - Learning Dialogues (LeD)

Module 3 - Learning by doing activities (LbD)

Module 4 - Learning extension trajectories (LxT)

Module 5 - Reflection Week about the content covered till now

Module 6 - Learning experience Interactions (LxI)

Module 7 - Orchestration dynamic of MOOCs

Module 8 - Summary of the course and case studies