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Designing Learner-Centric MOOCs


By Prof. Sameer Sahasrabudhe, Prof. Sahana Murthy, Prof. Jayakrishnan M | IIT Bombay

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Designing Learner Centric MOOCs Introduction



ABOUT THE COURSE : 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


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INTENDED AUDIENCE : Teachers, MOOC creators

INDUSTRY SUPPORT : Companies creating online courses. L&D (Training) divisions in companies across various sectors

Summary


Course Status :	Upcoming
Course Type :	Elective
Duration :	8 weeks
Category :	<ul style="list-style-type: none">◦ Multidisciplinary◦ Faculty Domain - Advanced
Credit Points :	2
Level :	Postgraduate
Start Date :	22 Jan 2024
End Date :	15 Mar 2024
Enrollment Ends :	29 Jan 2024
Exam Registration Ends :	16 Feb 2024
Exam Date :	24 Mar 2024 IST

Note: This exam date is subjected to change based on seat availability. You can check final exam date on your hall ticket.

This is an AlCTE approved FDP course

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Course lay



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Week 1 : The LCM model

Week 2 : Creating LbDs About Swayam (<https://swayam.gov.in/about>) | All Courses |

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Week 3 : Creating LbDs and LxTs

Week 4 : LxTs and Orchestration

Books and references

- S. Murthy et. al. LCM: A model for planning, designing and conducting Learner-Centric MOOCs. IEEE Conference on Technology for Education (T4E) 2018.
- K.F. Hew. Promoting engagement in online courses. British Journal of Educational Technology, 47(2), 320-341, 2016.
- M. Bali. MOOC Pedagogy: Gleaning good practice from existing MOOCs. MERLOT JOLT, 10(1), March 2014.

Instructor bio



Prof. Sameer Sahasrabudhe

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.



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Prof. Sahana Murthy

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IIT Bombay

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

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 certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.

The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).

Date and Time of Exams: 24 March 2024 Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.

Registration url: Announcements will be made when the registration form is open for registrations.

The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.

Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

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Average assignment score = $\frac{\text{Sum of average of best 6 assignments out of the total 8 assignments given in the course}}{6}$
Exam score = $\frac{\text{Final exam score}}{100} \times 100$ (https://swayam.gov.in/nc_details/NPTEL)

Final score = Average assignment score + Exam score (https://swayam.gov.in/about) | All Courses |

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$. If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.

Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Bombay. It will be e-verifiable at nptel.ac.in/noc (http://nptel.ac.in/noc).

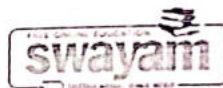
Only the e-certificate will be made available. Hard copies will not be dispatched.

Once again, thanks for your interest in our online courses and certification. Happy learning.

- NPTEL team



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Department: Electronics and Telematics Engineering

2021-22

REPORT

FDP on Designing Learner-Centric MOOCs

Date:01-01-22 to 1-2-22

I N.Rama Krishna Asst.Prof.ETE, has attended the FDP on F Designing Learner-Centric MOOCs .I have enriched my knowledge in this subject .Learning has taken various new forms and has been upgraded for online consumption in the past few years. This is where MOOCs come into play as they make learning more accessible and interactive for a wide range of aspirants.

Designing Learner-Centric MOOCs online program is a free elective course that aims to bring Massive Open Online Courses forward and explain how these courses can be designed to become more learner-friendly.

The Designing Learner-Centric MOOCs certification is a part of the multidisciplinary category and the Faculty domain for experienced categories. The course is aimed at teachers to help them create effective learning environments for their students. The AICTE accredited course has been designed by the expert faculty from IIT Bombay for the Swayam learning platform.

The Designing Learner-Centric MOOCs certification syllabus consists of four modules that taught in a span of four weeks using video lectures and regular assignments. I have got a certificate by sitting for the proctored exam and qualifying with a valid score.

Signature of faculty member

N.Rama Krishna Asst.Prof,ETE

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