TYPE OF COURSE : Rerun | Elective | UG/PG
COURSE DURATION : 4 weeks (20 Jul'20 - 14 Aug'20)
EXAM DATE : 27 Sep 2020

INTENDED AUDIENCE : Students of any discipline. E-learning industry professionals.
INDUSTRIES APPLICABLE TO : E-learning companies

COURSE OUTLINE:
Instructional designers today have tremendous access to a variety of technology tools while designing e-learning. An important role for instructional designers is to integrate effective pedagogical strategies to promote students’ engagement and learning. This course focuses on learner-centric principles and practices in the design of e-learning in STEM disciplines. Effective strategies and processes based on research from the learning sciences and educational technology will be discussed. Course participants will explore the application of e-learning design in various STEM topics in K-12 and higher education. The course will expose participants to some examples of basic and advanced technologies involved in designing e-learning.

ABOUT INSTRUCTOR:
Prof. Sahana Murthy is a faculty member in Educational Technology at the Indian Institute of Technology (IIT) Bombay, India. Her research interests include developing students problem-solving and thinking skills in science and engineering domains using technology enhanced learning environments. She has conducted several Faculty Professional Development Programs on research-based teaching strategies and effective integration of ICT in classrooms. She received her Bachelor degree from the University of Mumbai, India, Master degree in physics from IIT Bombay, and PhD in physics from Rutgers University.

COURSE PLAN:
Week 1: Identifying needs and setting objectives
Week 2: Research-based pedagogical strategies
Week 3: Effective integration of technology
Week 4: Designing with emerging technologies