



# GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act. No.:20 of 2007)

Date: 18-05-2015

## CIRCULAR

Interested faculty members and students may register for the following webinar which is going to be held on Fri, May 22, 2015 3:30 PM - 4:30 PM IST.

Virtual Academy: Educators for 21st century engineers; By Mudrika Khandelwal

Fri, May 22, 2015 3:30 PM - 4:30 PM IST

Registration URL: <https://attendee.gotowebinar.com/register/4561888403647983618>

### **Abstract:**

Contemporary engineering education has moved beyond the traditional focus on imparting subject-specific technical knowledge to the inculcation of broader skills in critical thinking and analysis. Given the current demands of the society, where engineers are increasingly employed in multifarious roles in a multicultural and multinational environment, there is now emphasis on the evolution of interdisciplinary courses. Therefore as engineering educators our roles become more diversified. The aim is now to produce global engineers with emphasis on transferable skills. At the same time, we have to be aware that the current generation, Gen Z, is different from previous generations. Therefore, teaching methods and evaluation strategies have to be adapted to the changing needs of the youth. Teaching and research need to go hand-in-hand and have to be inclusive of social and environmental awareness.

### **Presenter:**

**Dr. Mudrika Khandelwal** is a B.Tech and M.Tech from Indian Institute of Technology Bombay (2004-2009) and Ph.D from University of Cambridge, UK (2009-2013). Currently (since Oct, 2013), she is an assistant professor at Indian Institute of Technology Hyderabad in the department of materials science and metallurgical engineering. Her core interest areas are natural and nature-inspired materials for application in healthcare, energy and water purification. She has published in several international journals and presented at international conferences. Apart from materials science, she is very interested in innovative teaching practices to facilitate all rounded engineering education. She believes education can make a huge contribution in transforming the society.