

Dear All,

IEEE Computer Society Madras, IEEE Professional Communication Society & Computer Society of India Chennai join IIT Madras to invite you for the following "Leadership Lecture" at IIT Madras.

Title: Reinventing Education

By Dr. Anant Agarwal (BTEE-82; Professor, EE & CS, MIT; President & CEO, edX)

Date, Time & Venue: Feb 10 (Tuesday) @ 5 pm in IC & SR Auditorium.

Abstract:

Digital technology has transformed countless areas of life from healthcare to workplace productivity to entertainment and publishing. But education hasn't changed a whole lot. EdX is a MOOC (massive open online course) initiative that aspires to reinvent education through online learning. EdX's mission is to dramatically increase access to education for students worldwide through MOOCs, while substantially enhancing campus education in both quality and efficiency through blended online approaches.

This talk will provide an overview of MOOCs and edX, and share student stories that reveal how they are increasing access to education worldwide. The talk will also discuss where MOOC technologies are headed, and how they can enhance campus education. Finally, the talk will provide some recent research results that will allow us to improve education online and on campus, and discuss how MOOCs might evolve in the future.

Profile:

Anant Agarwal is the CEO of edX, an online learning destination founded by Harvard and MIT. Anant taught the first edX course on circuits and electronics from MIT, which drew 155,000 students from 162 countries. He has served as the director of CSAIL, MIT's Computer Science and Artificial Intelligence Laboratory, and is a professor of electrical engineering and computer science at MIT. He is a successful serial entrepreneur, having co-founded several companies including Tiler Corporation, which created the Tile multicore processor, and Virtual Machine Works.

Anant won the Maurice Wilkes prize for computer architecture, and MIT's Smullin and Jamieson prizes for teaching. He holds a Guinness World Record for the largest microphone array, and is an author of the textbook "Foundations of Analog and Digital Electronic Circuits." Scientific American selected his work on organic computing as one of 10 World- Changing Ideas in 2011, and he was named in Forbes' list of top 15 education innovators in 2012. Anant, a pioneer in computer architecture, is a member of the National Academy of Engineering, a fellow of the American Academy of Arts and Sciences, and a fellow of the ACM.

He hacks on WebSim, an online circuits laboratory, in his spare time. Anant holds a Ph.D. from Stanford. Anant's twitter handle is @agarwaledu.

He was conferred the "Distinguished Alumnus Award" by IIT Madras in 2014.

With regards
HR Mohan
Chair, IEEE CS & PCS
President, CSI
Alumnus, IITM-1976