



GUJARAT TECHNOLOGICAL UNIVERSITY

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

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CIRCULAR

Interested faculty members and students may register for the following webinar which is going to be held on Tue, Dec 18, 2018 5:30 PM - 6:30 PM IST.

APICTIEE 2018 Webinar: "Intro to Grand Challenges Scholar Program"

Tue, Dec 18, 2018 5:30 PM - 6:30 PM IST

Registration URL: <https://attendee.gotowebinar.com/register/59302554940426241>

Description:

In 2008 the US National Academy of Engineering (US NAE) shared a report that summarized a major study on the engineering challenges for the 21st century. The report, edited in 2017 (www.grandchallenges.org), lists 14 grand challenges for engineering. Given their importance for the sustainability of mankind on Earth, many, if not all, are major research areas in universities around the world and are of interest to all engineering stakeholders, from students to governments and industry. To address these grand challenges (as well as other local, regional and national challenges), we need to develop the engineering talent with the appropriate knowledge, skills and attitudes needed, hence, the Engineering Grand Challenges Scholars Program (GCSP), a now global movement to develop curricular learning experiences focused on developing these competencies in engineering graduates.

More than 60 institutions worldwide (with 120 around the world in the process of joining) have established GCSP programs leveraging existing Campus initiatives and creating new ones, in which students can complete the five GC competencies outlined. Upon completion of these, the US NAE recognizes the students with a GC Scholar Certificate, they can add to their credentials. This workshop is for engineering faculty, students, industry and government officials that would like to become aware of the GCSP and consider providing this important opportunity for the engineering students. Workshop goals include: 1) Understanding the Grand Challenges of Engineering (GC) and the Scholars Program (GCSP) elements and requirements 2) Comprehending the required elements to create a successful GCSP at their institutions, and, 3) Start writing a proposal to be submitted to the US NAE.

Presenter:

Dr. B.L. Ramakrishna

Emeritus Professor, Arizona State University

Former Senior Science Advisor, US State Department

Director, Grand Challenges Scholars Program Network, NAE

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Registrar (I/c)