



# GUJARAT TECHNOLOGICAL UNIVERSITY

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

Date: 04-06-2018

## CIRCULAR

Interested faculty members and students may register for the following webinar which is going to be held on Thu, Jun 7, 2018 3:30 PM - 4:30 PM IST.

**IUCEE Virtual Academy: Transformation of Indian Engineering Education for Sure Success Through Integrated, Instruction, Learning and Assessment (IILA)**

**Thu, Jun 7, 2018 3:30 PM - 4:30 PM IST**

**Registration URL: <https://attendee.gotowebinar.com/register/4691315240589883394>**

### **Description:**

It has been stated, by several authors, that 12th century Mathematician Bhaskra II of Karnataka, provided the simplest proof among 118, for the Pythagorean Theorem, by drawing a diagram as an example and providing a single word “Behold” at the end. This method develops “Visualization” essential for Engineers. In a similar spirit, Dr. Malladi has developed 5 SIMS (Simplified Integrated Methods of Solution) for all the 10 basic types of problems in Engineering Mechanics. His Perpendicular Component Equation is simpler with unlimited scope, surpassing Lami's Theorem for only three forces in equilibrium. Application of SIMS leads to direct solutions both in Statics and Dynamics.

Dr. Malladi has also developed IILA (Integrated Instruction, Learning and Assessment), a format for a lesson with examples and software that interactively helps the student to improve one's score through sets of “Learning Quiz & Test” for Sure Success.

### **Presenter:**

Dr. N.S. Malladi,  
MTech (IIT Madras),  
PhD (Oklahoma State University)

Sd/-  
Registrar (I/c)