The University Of Queensland
AUSTRALIA

Educational Impact Network

Dr Smitesh Bakrania

Associate Professor of Mechanical Engineering, Rowan University, United States of America

"Engineering my teaching"

The Engineering Design Process is a systematic approach to problem solving. When addressing a need, an engineer follows a series of steps to arrive at a solution: define the problem; conduct background research; brainstorm ideas; develop a solution; build a prototype; test the prototype; and evaluate. With this problem solving process in mind, Dr Bakrania has produced a number of mobile and web applications to help all teachers address teaching challenges and augment teaching effectiveness. Attend this workshop to learn about new assessment, feedback, and management tools available to you, how to 'engineer your teaching' with a design approach and engage in lively discussion on delivering engaging classroom experiences.

Date: Friday 27 April 2018

Time: 2:00pm - 3:00pm

Venue: Room 217, Sir Llew Edwards Building (14)

(view on map)

Click here to register for the seminar

About the Presenter

Dr Smitesh Bakrania is a Fulbright Scholar and Associate Professor of Mechanical Engineering at Rowan University, USA. His research focuses on a microcombustion-based portable power source using nanoparticles, while he teaches Thermal-Fluid Sciences, Combustion, and Nanotechnology courses.

Dr Bakrania has been involved in developing several hands-on engineering design activities to anchor learning. Soon after beginning his teaching career at Rowan University, he was inspired to develop Pikme, a classroom discussion tool. Since becoming available on the app store it has been downloaded 70,000 times. Dr Bakrania has subsequently produced multiple apps centered around teaching, produced videos to help instruction, evaluated the impact of various tools, and presented his work at the American Society of Engineering Education (ASEE) and Frontiers in Education (FIE) national and international conferences.