

## One Day Workshop: Research & UG teaching

Date: 17<sup>th</sup> August 2015

The canvas of undergraduate technical education is changing rapidly. Teachers are adapting to this change by transforming their traditional role as information providers to facilitators of knowledge. It is important to recognize this change, and adapt - so as to impart the best possible education.

Traditionally, the domain of research was inaccessible to undergraduate students in India which created an artificial barrier between teaching and research. This would often hinder the smooth transition of students into the broader sphere of research and scholarship. In recent times, a synergy has begun to emerge between undergraduate teaching and cutting edge research. This is evident from the large number of research articles from India in top science and engineering journals coauthored by undergraduate students. This change has resulted partly due to the growing recognition that UG students already have sufficient technical skills to pursue interesting research problem, and also due to the fact that a large number of institutes have emerged with equal emphasis on both teaching and research. One needs to pause and reflect on this important phase transition happening in Indian technical education scenario.

Prof. Umesh Garg, who is visiting IIT Gandhinagar as a Nehru-Fulbright specialist from University of Notre Dame is a pioneer in this endeavor and we would like to take this opportunity to have an extensive discussion with distinguished colleagues from top teaching/research institutes in the country.

We propose a 1 day workshop with the above ideas in mind and create a concept document based on these discussions which may help educationists and policy makers to inculcate research as an effective medium of teaching at UG level.

### Speakers

Prof. Umesh Garg	University of Notre Dame
Prof. Mukesh Tiwari,	DAIICT Gandhinagar
Prof. Raghavan Rangarajan,	PRL Ahmedabad
Prof. Shashikiran Ganesh,	IPR Gandhinagar
Prof. Siddhartha Mukhopadhyay,	IIT Kharagpur
Prof. Arup Lal Chakraborty,	IIT Gandhinagar
Prof. Indranath Sengupta,	IIT Gandhinagar
Prof. Soumitra Sengupta,	IACS Kolkata
Prof. Amit Prashant,	IIT Gandhinagar
Prof. Dheeraj Sanghi	IIT Kanpur
TEQIP College Coordinators	