

## Registration Form

A Two-Day National Workshop on  
Active Learning and Project-Based  
Learning Methods in Engineering  
In collaboration with IUCEE  
(Indo US Collaboration for Engineering Education)  
14<sup>th</sup> -15<sup>th</sup>, JULY, 2014.

Name of the participant  
(in BLOCK letters) : .....

Designation : .....

Department : .....

Name of the Institution : .....

Mailing Address : .....

.....

.....

Mobile No : .....

E mail address : .....

### Registration Details

**Registration with Accommodation : Rs. 5000/-**

**Registration without Accommodation : Rs. 4000/-**

*Duly filled in application along with DD in favour of "Principal, Vidya Jyothi Institute of Technology", payable at Hyderabad, Telangana may be sent to the address for correspondence on or before 7<sup>th</sup> July, 2014.*

### Payment Details :

Cheque/DD No & Date:

Name of the Bank : .....

Amount.....

Head of the Department      Signature of the participant

### Chief Patron

**Dr. P. Rajeshwar Reddy**  
Secretary & Correspondent

### Patron

**Dr. P. Venu Gopal Reddy**  
Director

### Advisory Committee

**Prof. Krishna Vedula**  
Executive Director, IUCEE

**Dr. A. Padmaja**  
Principal

**Dr. B. V. Reddy**  
Professor, Dept of Mech. Engg.

**Dr. Krishna Rao**  
Professor, Dept of ECE

**Dr. V. S. V. Laxmi Ramana**  
Professor, Dept of H & S

**Dr. Archanaa Dongre**  
HOD, Dept of Civil Engg.

**Ms. K. Srilatha**  
Academic Coordinator

### Organizing Committee

**Prof. G. Sree Ram Reddy**  
Head, Dept Mech Engg,  
Convener  
Mobile No: 9440444475

### Transportation Committee

**Mr. Pradeep Reddy**  
Ph: 9866999116



## A Two-Day NATIONAL WORKSHOP on

## Active Learning and Project-Based Learning Methods in Engineering

In collaboration with



14<sup>th</sup> & 15<sup>th</sup> JULY, 2014.

Organized by  
Department of Mechanical Engineering

**Vidya Jyothi Institute of Technology**

(Accredited by NBA, Approved by AICTE & Affiliated to JNTUH)

Aziznagar, CB Post, Himayathnagar, Hyderabad.

[www.vjit.ac.in](http://www.vjit.ac.in)

## About VJIT

Founded in 1998, by a group of committed academicians and enterprising educationists, VJIT quickly won the confidence of the parent community and the students to become one of the select destinations for future engineers. Soon the lamp of knowledge began to spread its radiance far and wide. The college has dedicated and highly qualified committed faculty VJIT is rated as one of the best engineering colleges in the region. The high quality of VJIT's academics is mirror in the 95% academic results and the institution registers an average of 75% placements for eligible students.

The R&D of the college introduces the research from First year onwards. The students have been registered in IUCEE-SPEED and actively participating in giving engineering solutions to the problems related to community.

## About IUCEE

The Indo US Collaboration for Engineering Education(IUCEE ) was founded with the help of the American Society for Engineering Education (ASEE),Pan IIT ( organization of IIT alumni), International Federation of Engineering Education Society ( IFEES) and Indian Society for Technical Education (ISTE) with headquarters at University of Massachusetts Lowell (UML). It was conceptualized by over 150 leaders of engineering education and businesses from US and India in 2007. The vision of IUCEE is to improve the quality and global relevance of engineering education and research in India with focus on faculty development, student development, curriculum development, as well as improved teaching technologies & research.

## About the Workshop:

The workshop aims at introducing the Active Learning Techniques to be introduced in the class room teaching. The workshop is designed to introduce and encourage the practice of **Project Based Learning and Active Learning** methods in the classrooms. Through active exercises, the participant faculty will first brainstorm and introspect on their roles in the classroom. The participants will develop key details of their project implementation using elements of the example project implementations for their use in their classrooms.

## About the Resource Person:

Dr. Krishnan currently works in Hardware Development with Fiat Chrysler America and is responsible for combustion methodologies, testing, simulation and hardware development related to their high volume V6 gasoline engine. He has eight years of undergraduate and graduate teaching experience in the areas of Heat Transfer, Fluid Mechanics and Thermodynamics at the Department of Mechanical Engineering, Purdue School of Engineering and Technology at Indiana University Purdue University Indianapolis (IUPUI). He is passionate about engineering education and applied research in engineering. As an active member of the ABET accreditation committee during his teaching stint, he created metrics for quantitative and qualitative assessment of student learning. He has experimented with and implemented several methods of teaching during his teaching career and has won awards related to teaching.

### Address for Correspondence

Convener, National Workshop on Active Learning and Project-Based Learning Methods in Engineering, Vidya Jyothi Institute of Technology, Aziz Nagar, CB Post, Himayatnagar, Hyderabad, Telangana - 500 075.

# Active Learning and Project-Based Learning Methods in Engineering

## PROGRAM DETAILS

### Day 1 Outline

#### Introductions

#### Workshop Outline

#### Overview and Objectives – 1

#### Session 1 INTRODUCTION AND ROLE OF THE INSTRUCTOR

#### Session 2 USING REVEALED MISCONCEPTIONS TO CREATE CONTENT

#### Session 3 USING ANIMATIONS AND DEMONSTRATIONS

#### Session 4 USING WORKSHEETS; FEEDBACK AND ASSESSMENT

#### Review – Day 1 Assessment – Day 1

### Day 2 Outline

#### Reflections – Day 1

#### Overview and Objectives – 2

#### Session 1 REVIEW OF PRE-WORKSHOP EXERCISES AND HOMEWORK

#### Session 2 LEVELS OF LEARNING AND HOMEWORK

#### Session 3 PROJECT-BASED LEARNING – I

#### Session 4 PROJECT-BASED LEARNING – II

#### Review – Day 2 Assessment – Day 2