



**Knowledge Network of
Indian Institute of Technology, Gandhinagar
Under TEQIP-II Initiative**

Workshop on Design

Date: 17/12/2015 to 19/12/2015 (3 days)
Time: 10:00 am reporting time on 17 December 2015
Venue: IIT Gandhinagar

Target group: Faculty members
Register At: www.iitgn.ac.in/kn
Dead line: 7th December, 2015

A Workshop to help engineering faculty create conditions for the learning of design thinking.

While 'Design Thinking' is best practiced when one wants to design 'something', the process is useful to all kinds of professionals as it helps one

- Make sense of a Complex Problem
- Navigate ambiguity
- Focus on the Essential
- Create and enhance Value and
- Realise (actualise) the value most Efficiently
- For the Intended Recipient / Purpose.

Usually the outcome is an out of the box solution that transforms the problem state / situation completely using far less resources than conventional solutions. Which explains the current interest in acquiring these abilities by management, engineering and other professionals.

Design Thinking is a 'live' process and may not be reducible to a formula because one can't create the future (that which does not exist today) or anything new by applying a formula. If a formula is discovered, maybe it is time to start thinking again? This means that learning Design Thinking may not fit into conventional modes. The learning will be experiential through opportunities to solve real problems and opportunities to share the learning within the class.

The workshop will explore the Creation of a Learning Journey to help participants discover the key ingredients of the Design Thinking themselves.

Session Plan

The sessions will broadly cover the following topics within three broad sections viz. **Know, Imagine & Create** - through lectures, discussions, short assignments etc. facilitating group learning and sharing:

- Knowing the Problem
- Imagining the Future
- Discovering the Stake holders
- Identifying the Variables
- Finding Structure
- Knowing / Finding Purpose
- Finding Leverage
- Imagining Solutions for
- Design Intervention
- Prototyping