



**Knowledge Network of
Indian Institute of Technology, Gandhinagar
Under TEQIP-II Initiative (MHRD, Govt. of Gujarat)**

**Short Course on
Applied Digital Signal Processing**

Date: 08 (Monday) to 12 (Friday) December 2014 (5-days)
Time: 9:30 am reporting time on 8th December 2014
Venue: IIT Gandhinagar
Target group: Faculty members & PG Students
Register At: www.iitgn.ac.in/kn
Dead line: 20th November 2014

The focus of this short term course is on reinforcing the fundamentals of signal processing in the context of the new small World. In addition to offering advanced level topics in the areas of signal processing, the workshop is also designed to give equal emphasis on the basic fundamentals of the subject. The tentative topics that will be covered during the workshop include: Fundamentals of digital signal processing (DSP), adaptive signal processing, time-frequency analysis, VLSI signal processing, statistical signal processing, multirate signal processing, signal processing for big data and applications in other upcoming fields.

"...There will always be signals, they will always need to be processed, and there will always be new technologies and algorithms for implementing the processing. That conviction has given me a feeling of job security ever since I first fell in love with signal processing as an undergraduate student at MIT in the mid 1950s..."

- A. V. Oppenheim, Ford Professor of Engineering,
Massachusetts Institute of Technology (MIT)
