



Knowledge Network of
Indian Institute of Technology Gandhinagar
TEQIP-III Initiative (MHRD, Govt. of India, NPIU & World Bank)

Winter Short Course on Applied Digital Signal Processing

Date: 11/12/2019 to 14/12/2019 (4-days)
Time: 10:00 am reporting time on 11th December 2019
Venue: IIT Gandhinagar, Palaj Campus
Target group: Faculty members, PG & Senior UG Students
Register At: www.iitgn.ac.in/kn
Dead line: 30th November 2019

The focus of this winter short 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 course is also designed to give equal emphasis on the basic fundamentals of the subject.

The tentative topics that will be covered during the winter course include: Fundamentals of digital signal processing (DSP), digital filter design, adaptive signal processing, frequency and time-frequency analysis, VLSI signal processing, statistical signal processing, multirate signal processing, sparse signal processing, audio signal processing, fundamentals of computer vision and signal processing 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)*

Course Coordinator- Prof. Nithin V.George (IIT Gandhinagar)

Course Co-Coordinator - Prof. Shanmuganathan Raman (IIT Gandhinagar)