Virtual Lab Experiments

LINK: www.vlab.co.in

Sem: EEE VII   **Lab: DSP**

Lab under Virtual Portal: IIT Kharagpur/ IIT Guwahati

S.NO	NAME OF EXPERIMENT	Virtual lab link
1.	**To present basic signals(unit step, unit impulse, ramp, exponent, sine and cosine)**	Study of basic signals are present in the link given below: http://iitg.vlab.co.in/?sub=59&brch=166&sim=618&cnt=1582
2.	**To develop a program for discrete convolution.**	Study of convolution is given in the link below: **http://www.digital.iitkgp.ernet.in/dsp/expts/index.php**
3.	**To develop a program for discrete correlation**	Study of correlation is given in the link below: **http://iitg.vlab.co.in/?sub=59&brch=166&sim=877&cnt=1610**
4.	**To study sampling theoram**	Study of sampling theorem is present in the link below: **http://www.digital.iitkgp.ernet.in/dsp/expts/index.php**
5.	**To design Infinite Impulse Response (low pass filter) filter with cut of frequency of 4000 HZ .**	Study of IIR filter is present in the link below: **http://www.digital.iitkgp.ernet.in/dsp/expts/index.php**
6.	**To Design Finite Impulse Response.(FIR filter).**	Study of FIR filter is present in the link below: http://www.digital.iitkgp.ernet.in/dsp/expts/index.php