



All experiments are performed on the DSP6748 board.

**Convolution: linear and circular**

An experiment to develop a program in C to demonstrate the convolution of two arrays with the output plotted in a graph in CCS IDE.

**Simple\_sine48p:**

An experiment to develop a program in C to generate a sinusoid wave using a look up table of 48 points. The output is plotted in graph in the CCS IDE.

**Sine\_sin\_func:**

An experiment to develop a program in C to generate a sinusoid wave using the mathematical **sin** function. In this experiment we can change the values of the Amplitude and Frequency and observe the changes. The output is plotted in graph in the CCS IDE.

**Ramp:**

An experiment to develop a program in C to generate a Ramp/Sawtooth waveform. The output is plotted in graph in the CCS IDE.

**LED:**

An experiment to develop a program in C to Blink the LED's on the MicroDSP6748 board.

This is a real time interfacing program where you can see the results of the LED blibking n the board.

**Image\_VGA:**

An experiment to develop a program in C to generate an array from a BMP image and display this static image over a monitor using the VGA interface on the DSP6748 board.

This is a real time interfacing experiment, in which the user interfaces the program using a Video DAC -THS8135

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



Export Sales: +91-9829132777  
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,  
Sitapura Extension, Jaipur-302022, India.



info@tesca.in  
www.tescaglobal.com