Documentation

on Live

Demonstration

Topic: MODELING AND PROTOTYPING WITH SIMULINK AND CODE COMPOSER STUDIO WITH DSK

Prepared by

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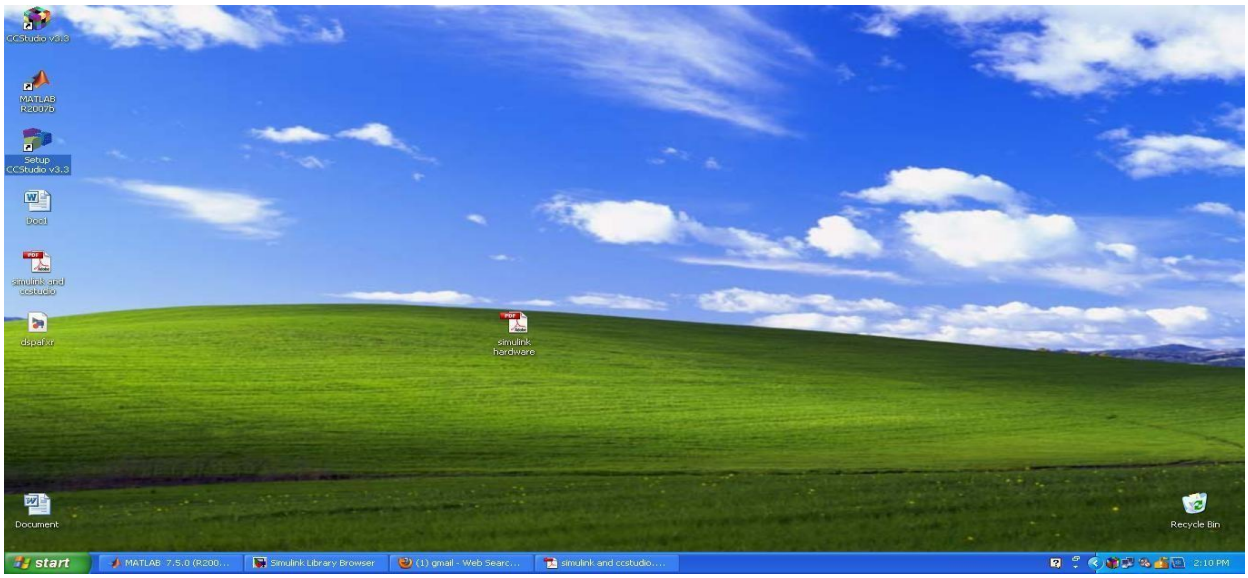
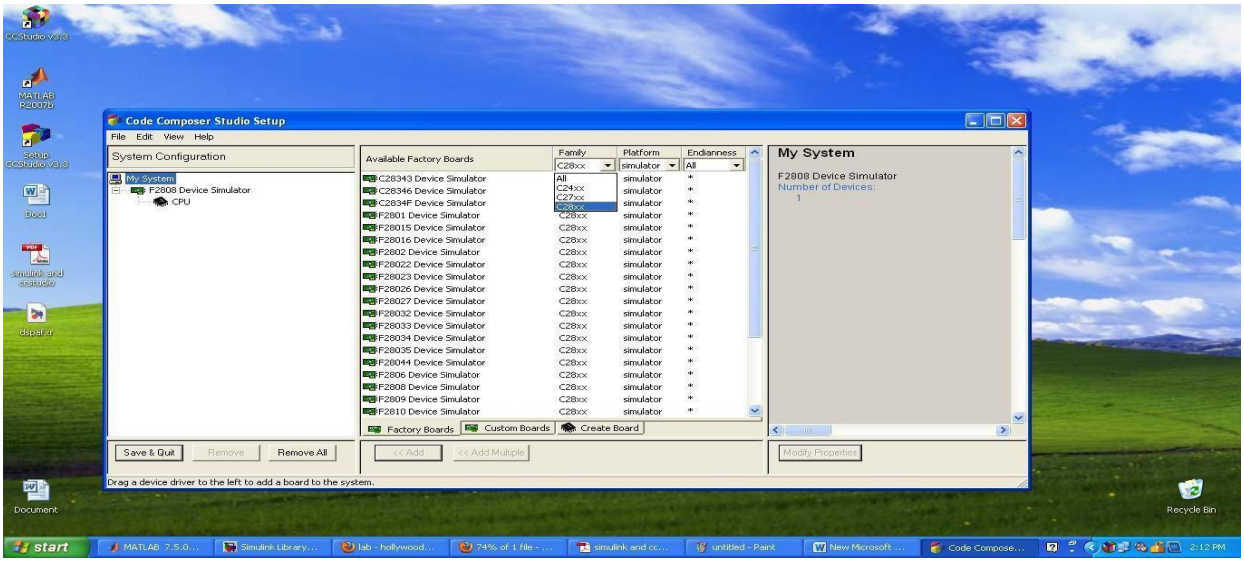
MODELING AND PROTOTYPING WITH SIMULINK AND CODE COMPOSER STUDIO WITH DSK

Step1:



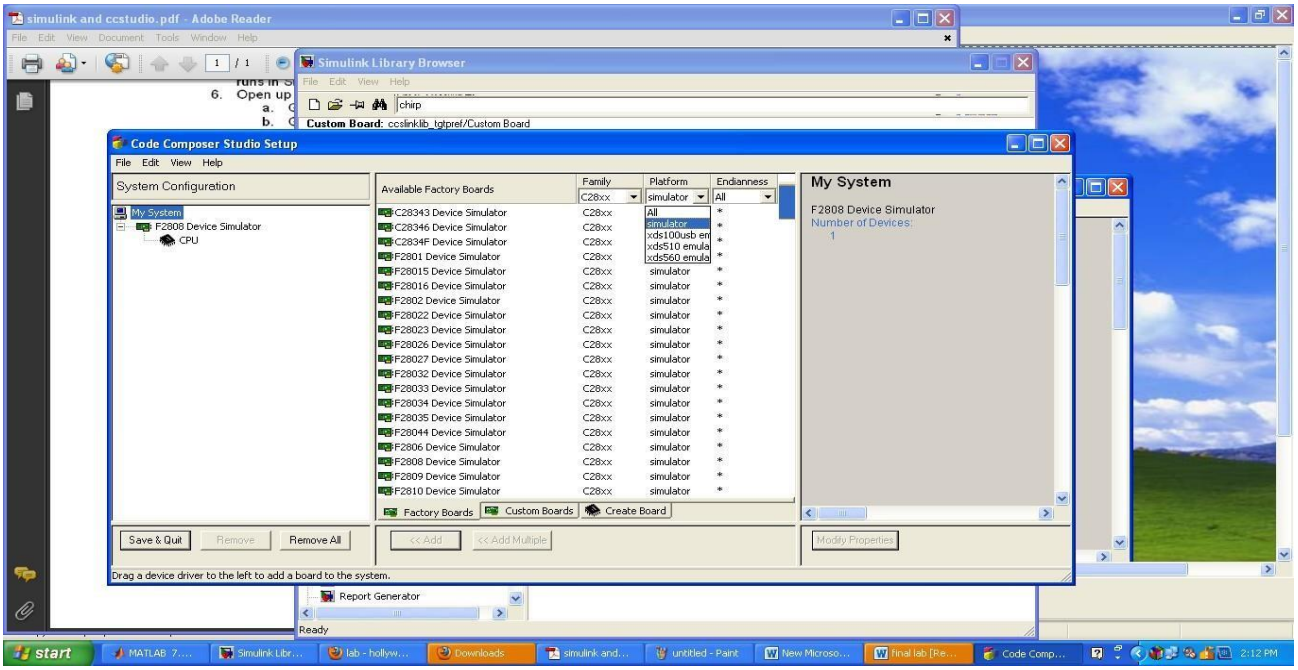
(open setup ccstudio v3.3)

Step2:



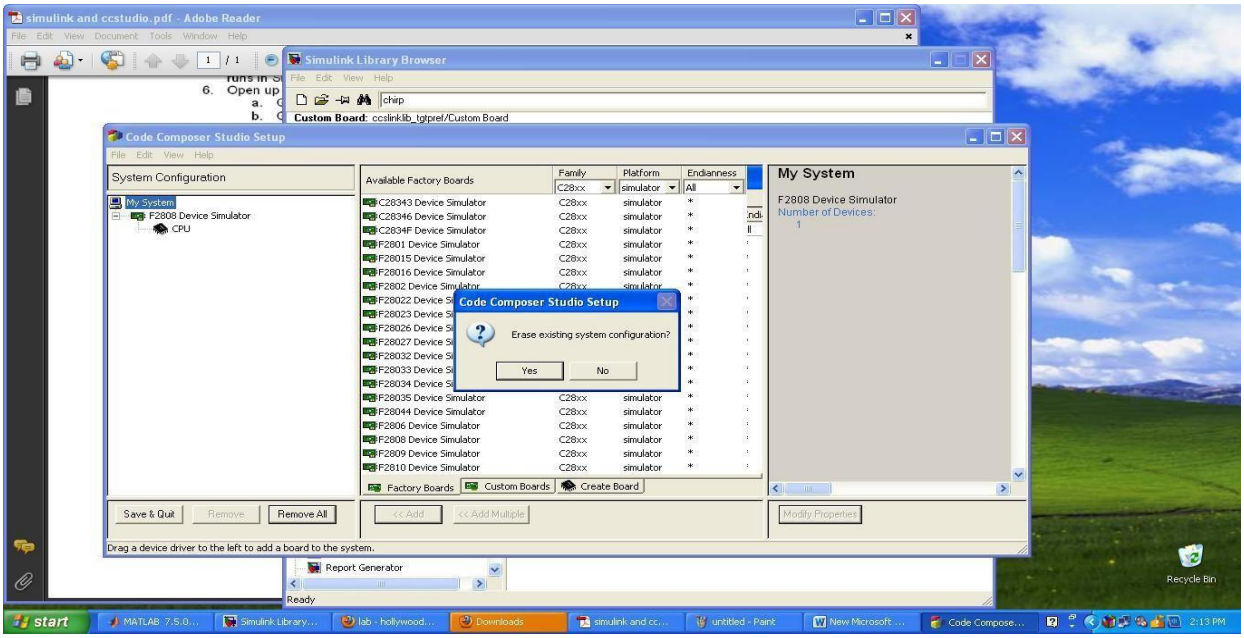
(in family choose c28XX)

Step3:



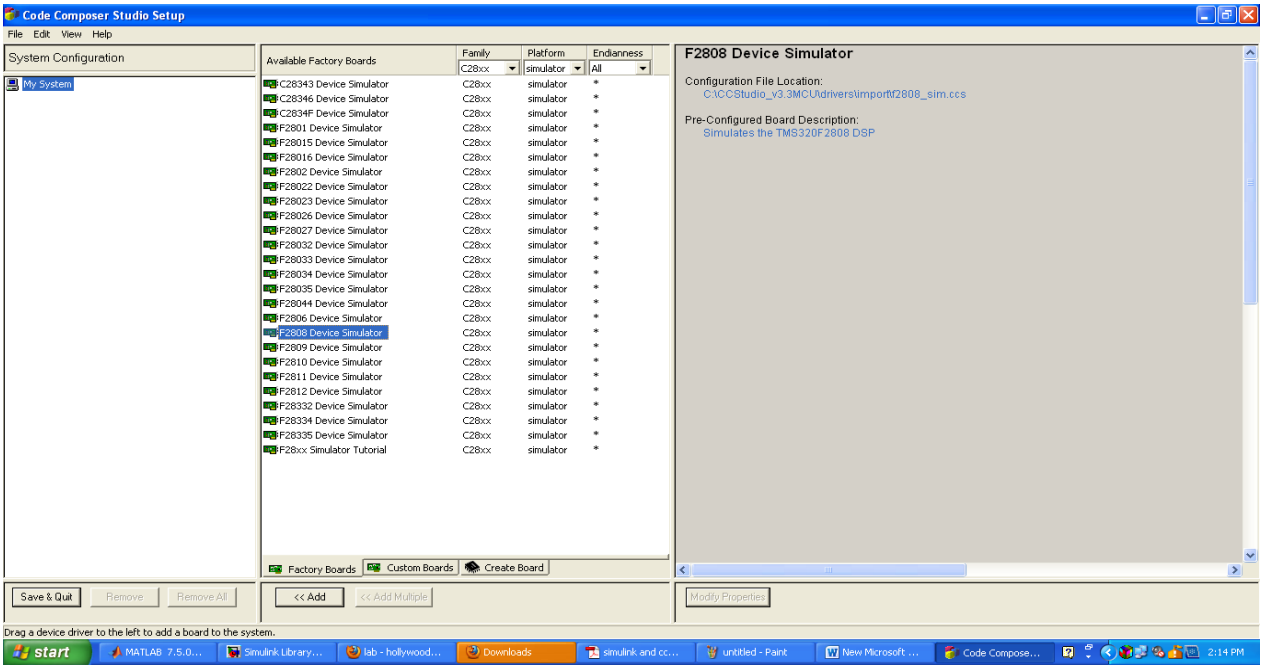
(platform choose simulator)

Step4:



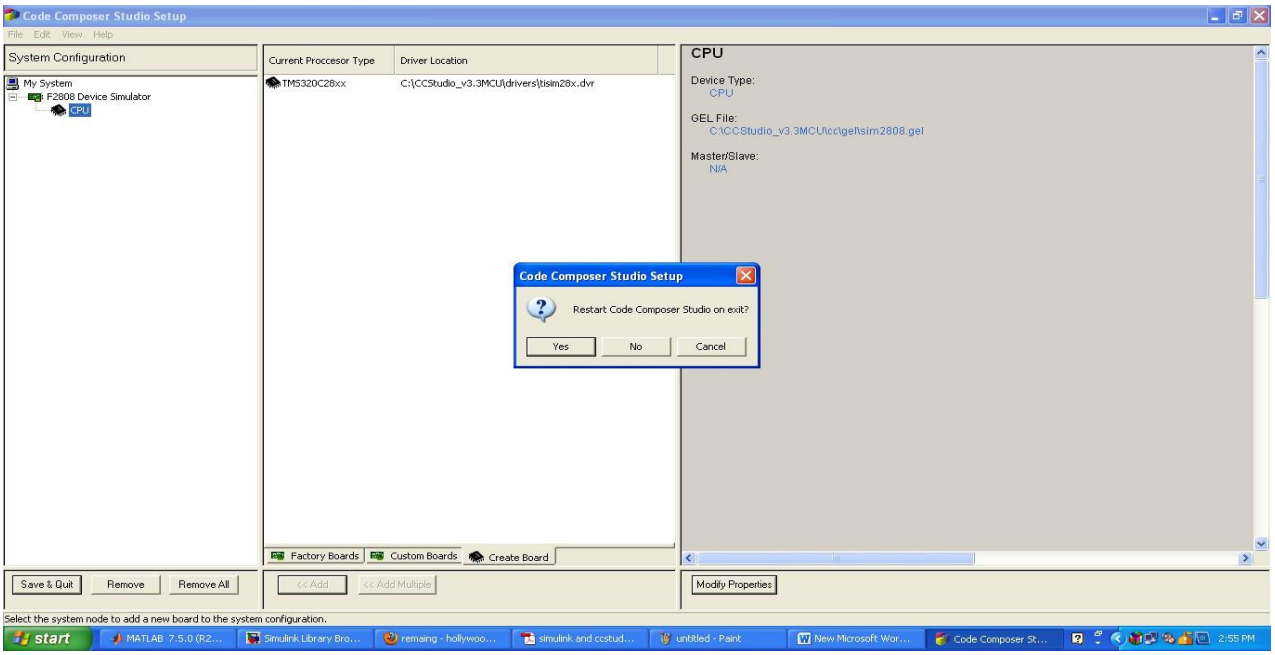
(in the system configuration click remove all and click yes)

Step5:



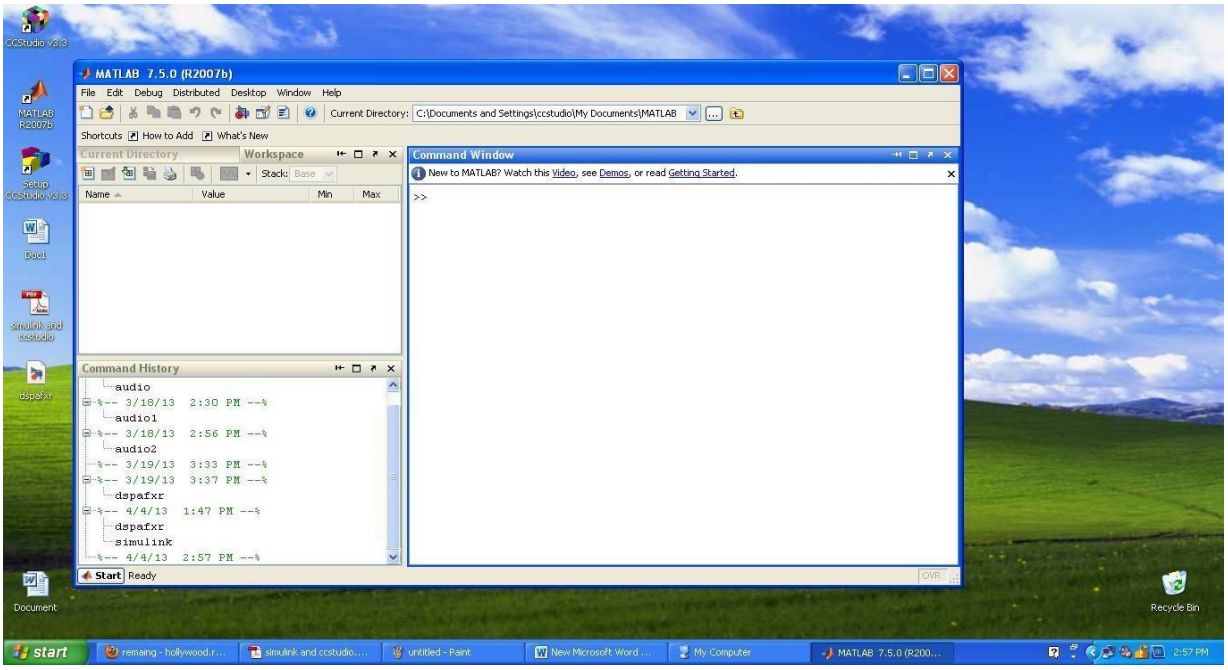
(in the availability factory board /f2808 device simulator and drag to system config)

Step6:



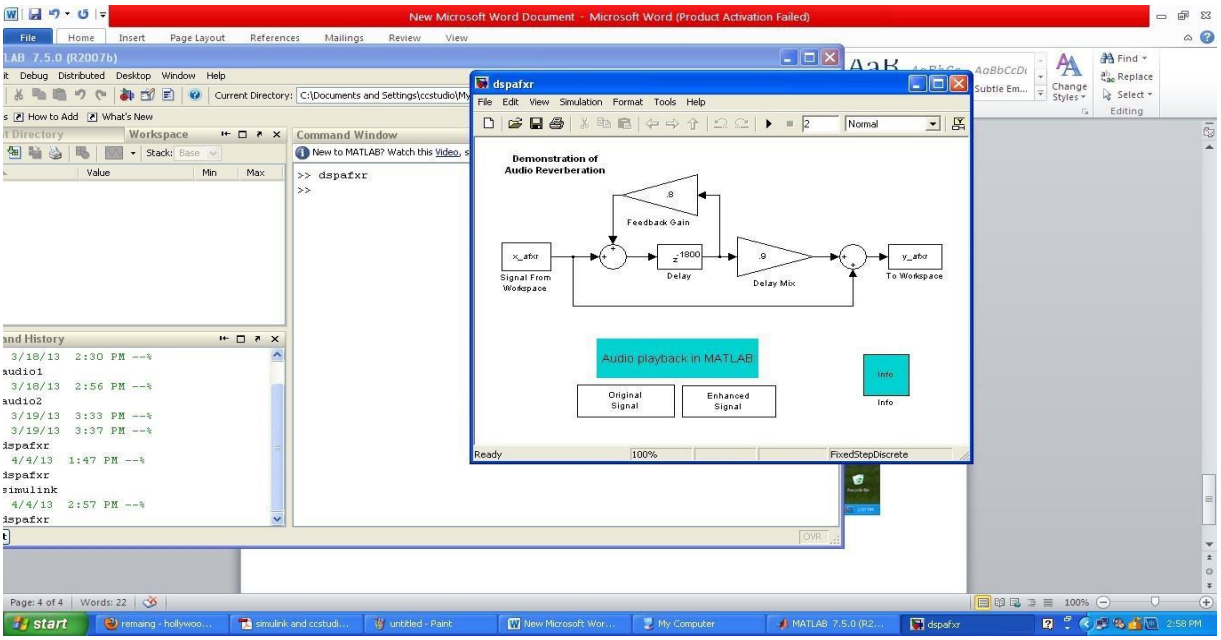
(click save and quit)

Step7:



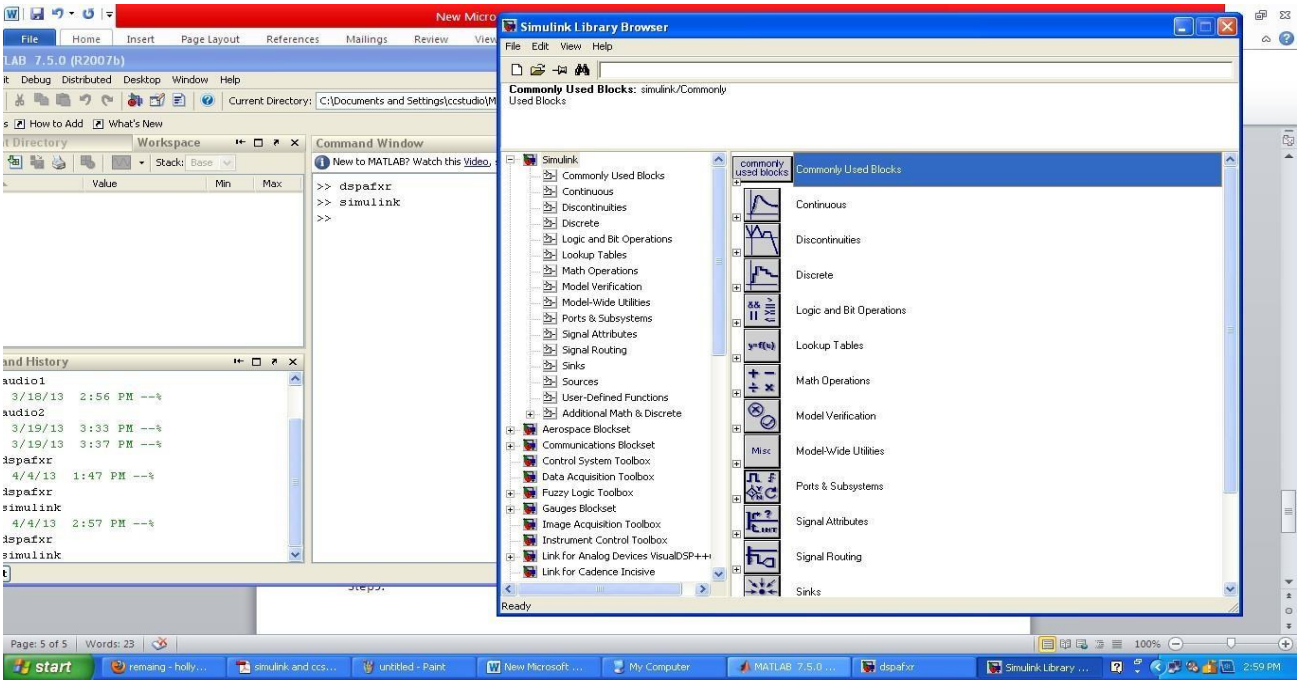
(openmatlab 2007 software)

Step8:



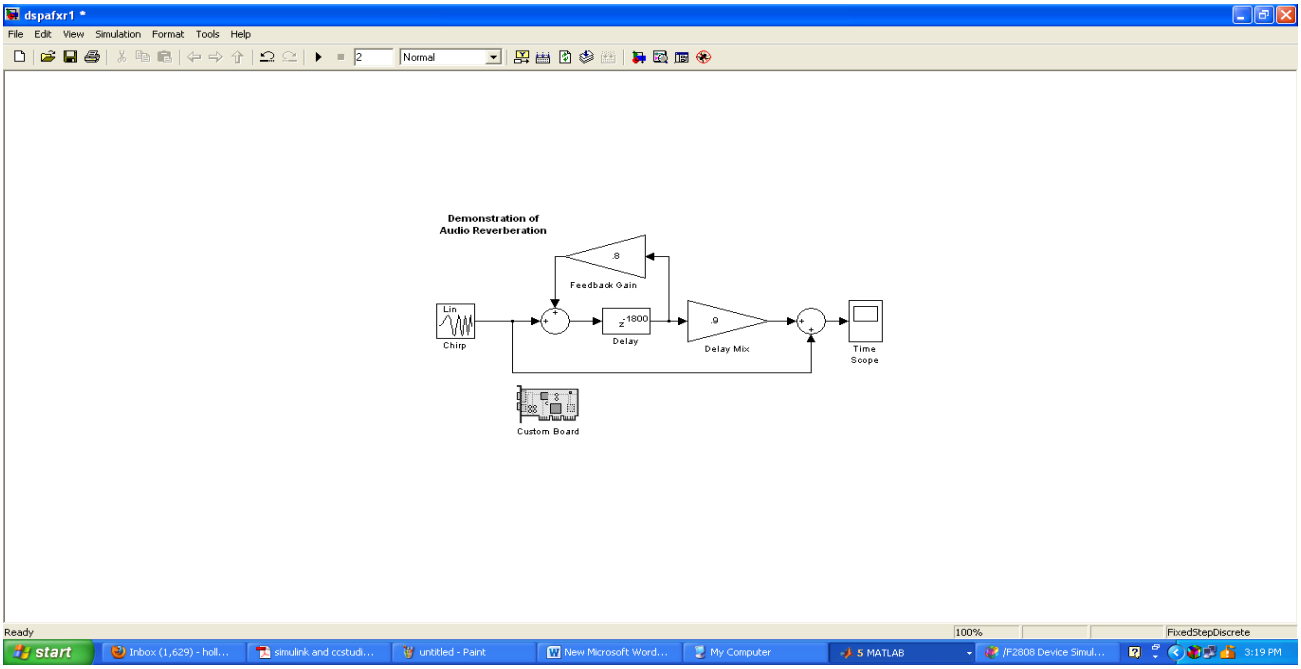
(in the command window click dspafxr)

Step9:



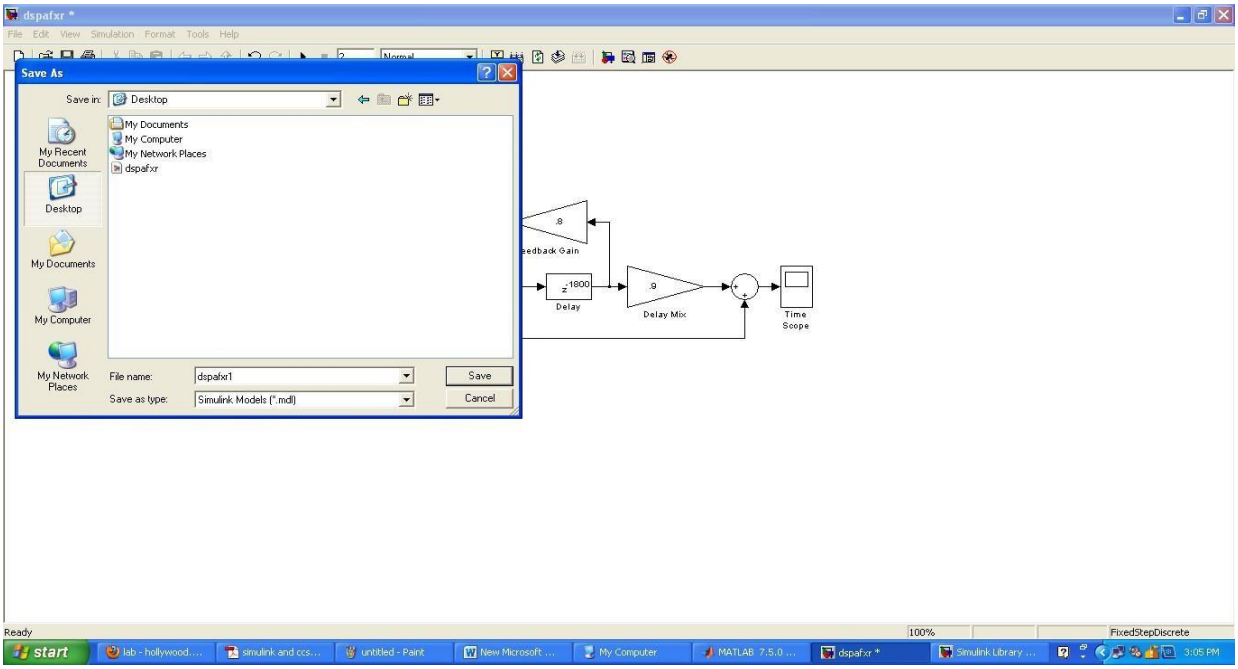
(in the command window type Simulink)

Step10:



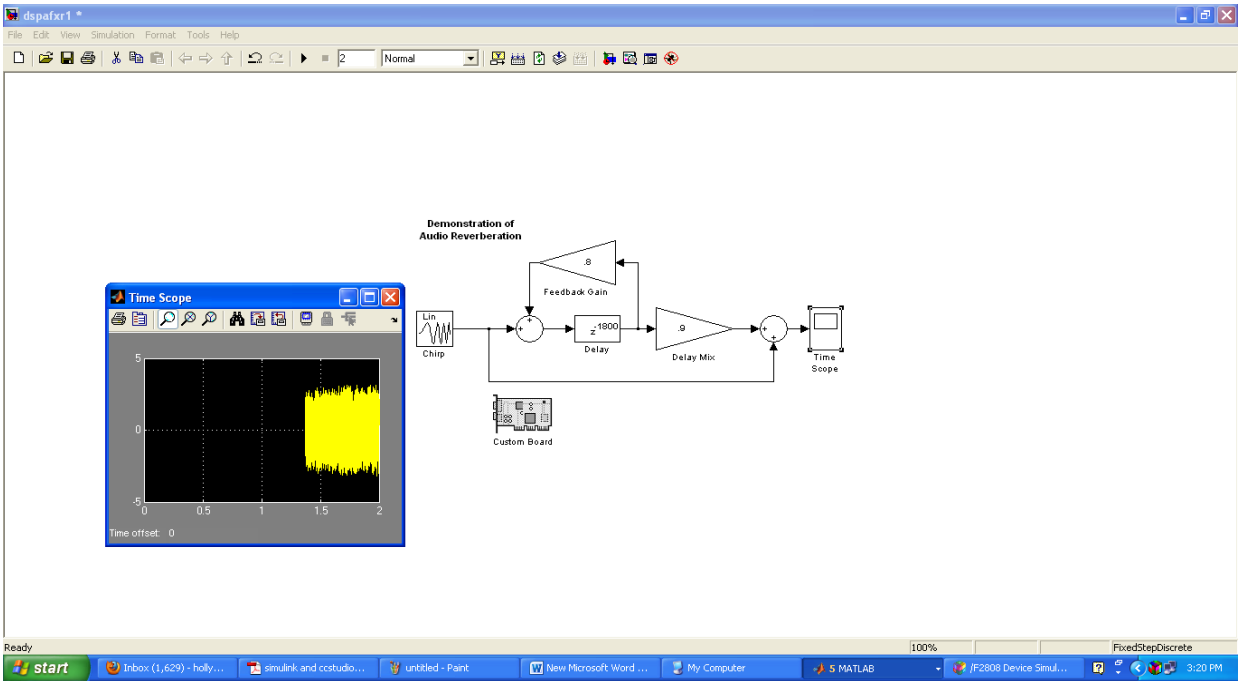
(here changes of the blocks are made as per the blocks given using Simulink browser)

Step11:



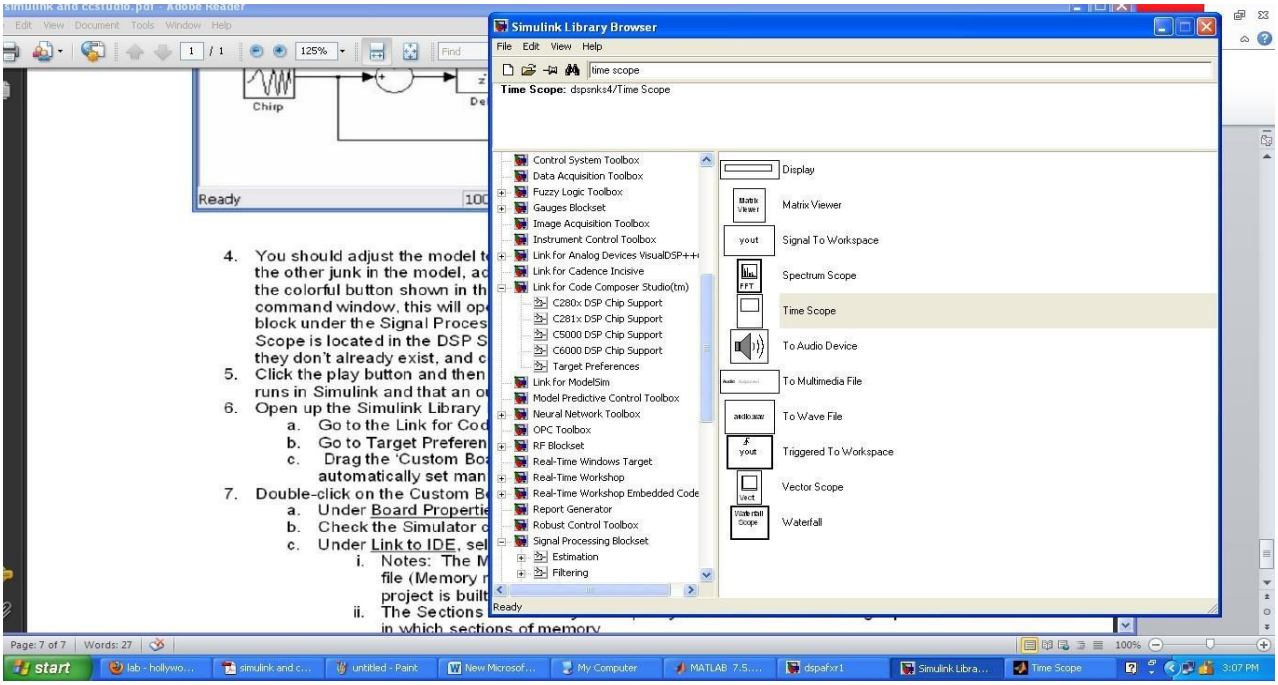
(file /save it)

Step12:



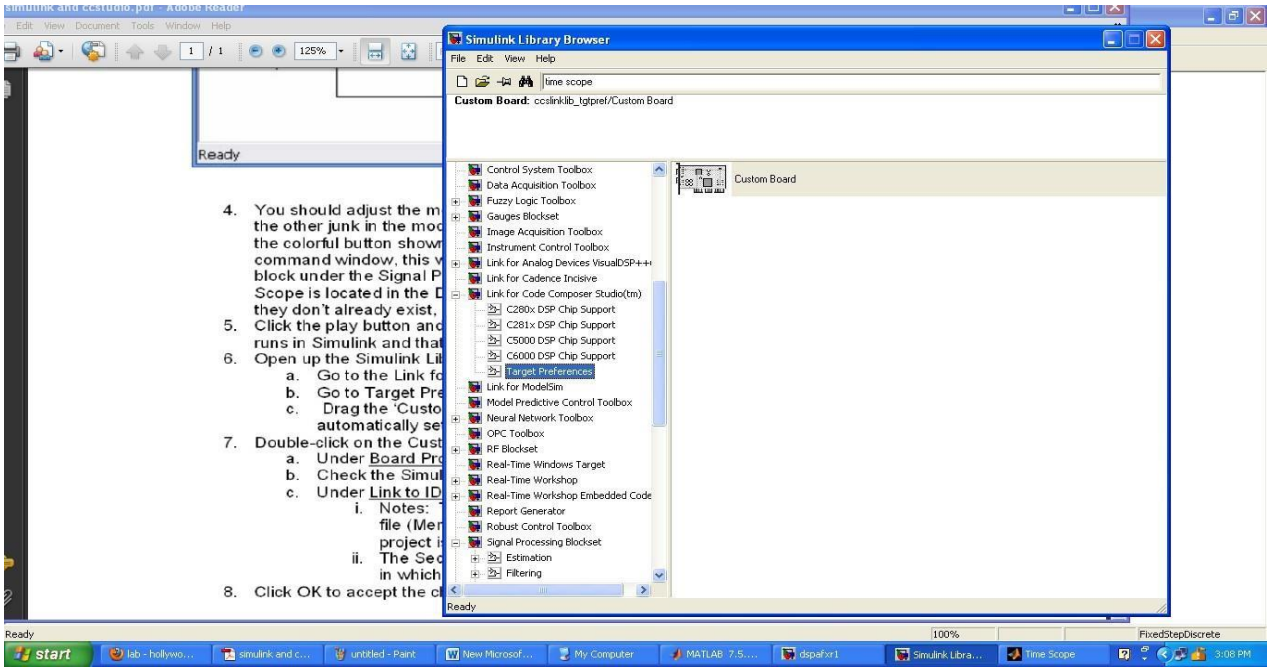
(Run it for the required waveform)

Step13:



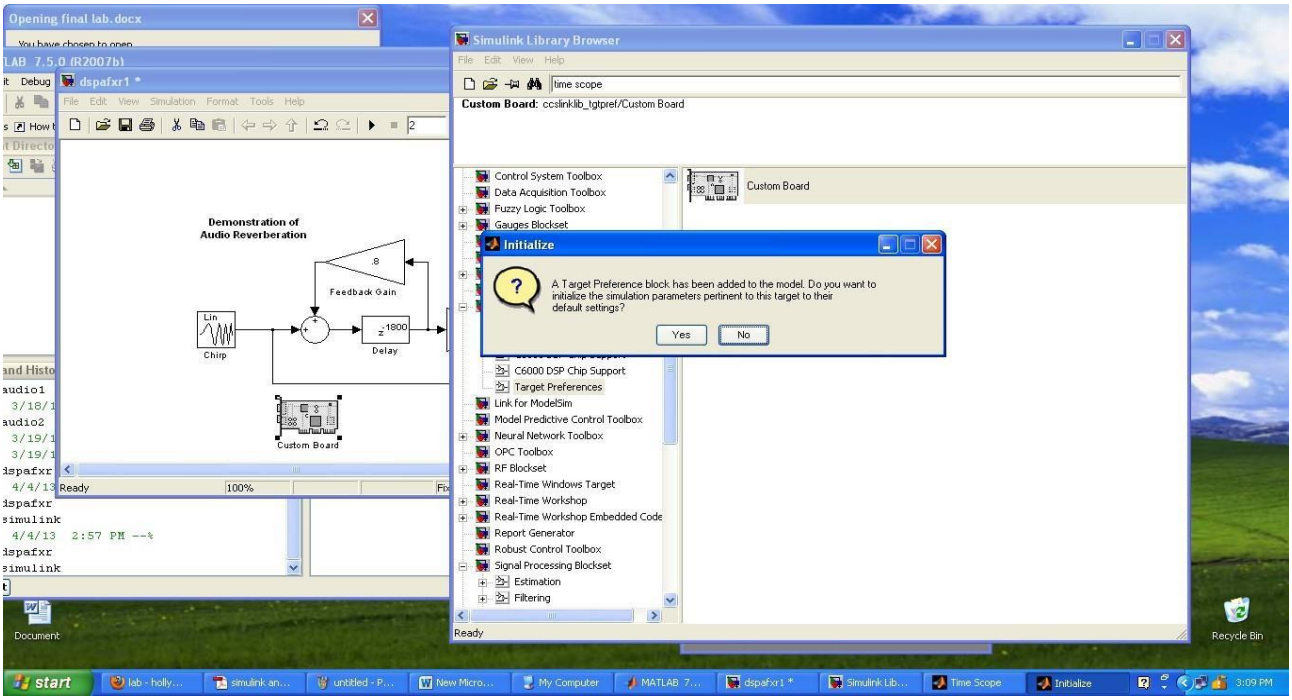
(in Simulink browser click link for cc block)

Step14:



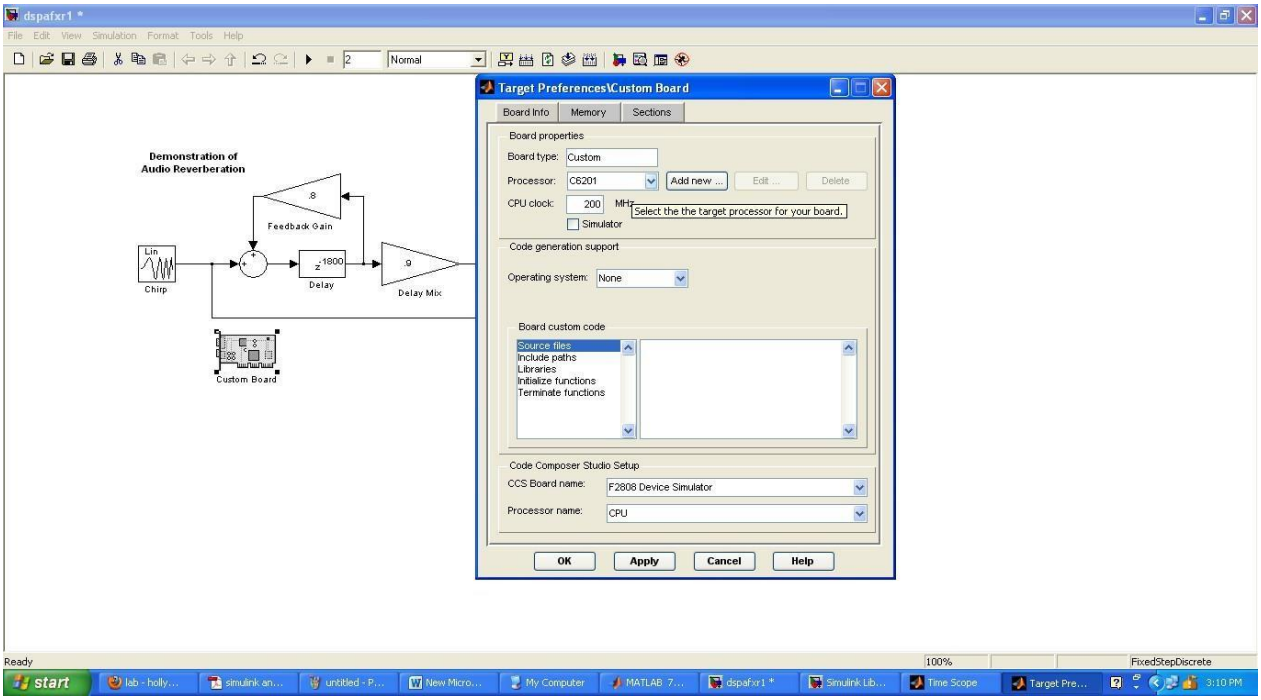
(in that click target preferences and drag the block to the model)

Step15:



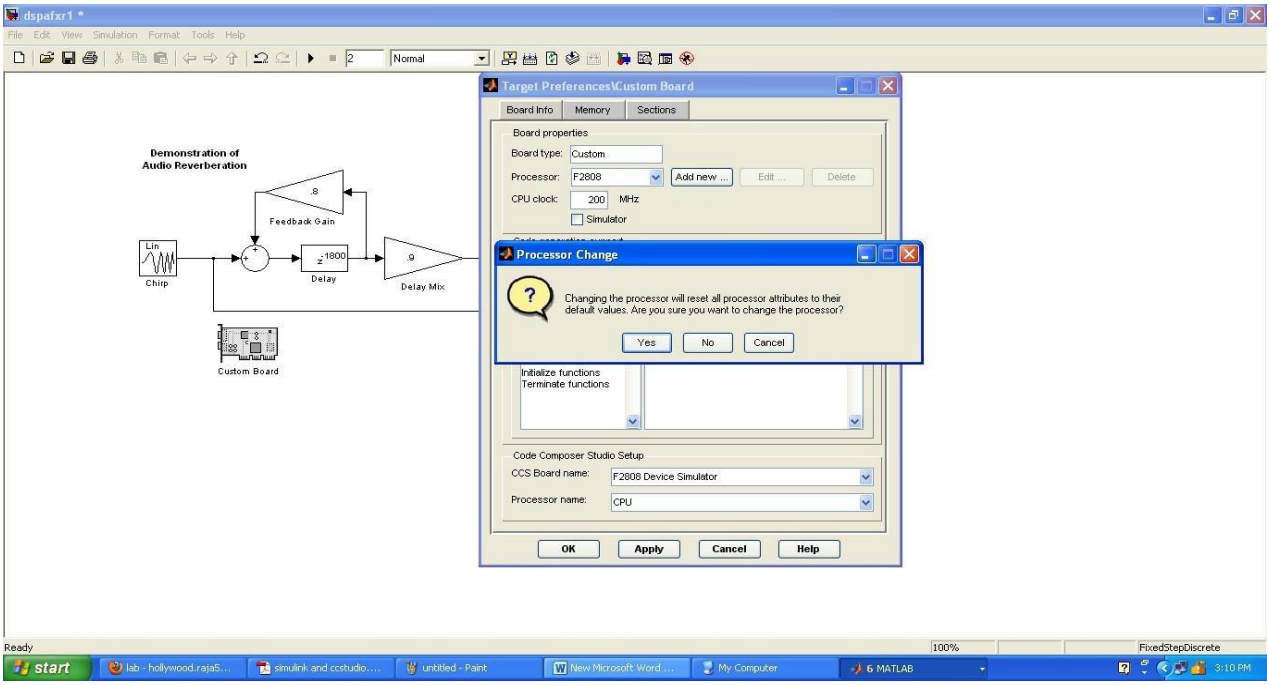
(double click the custom board and click yes)

Step16:



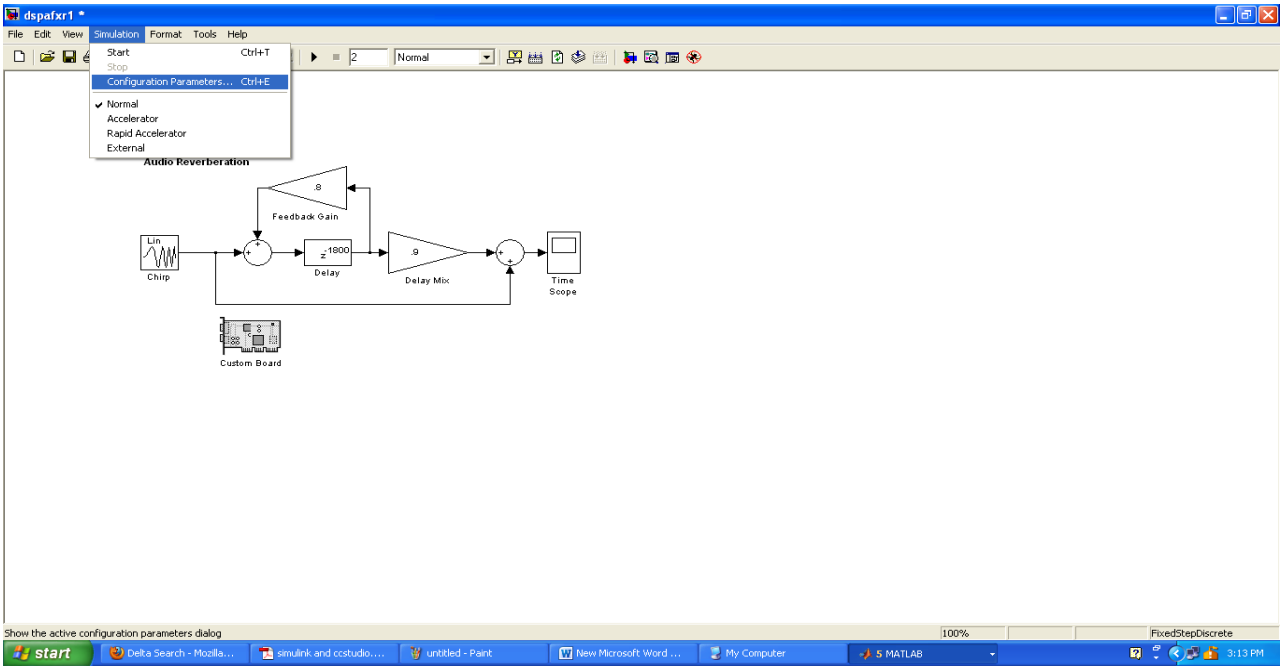
(a dialog box target preference is open it)

Step17:



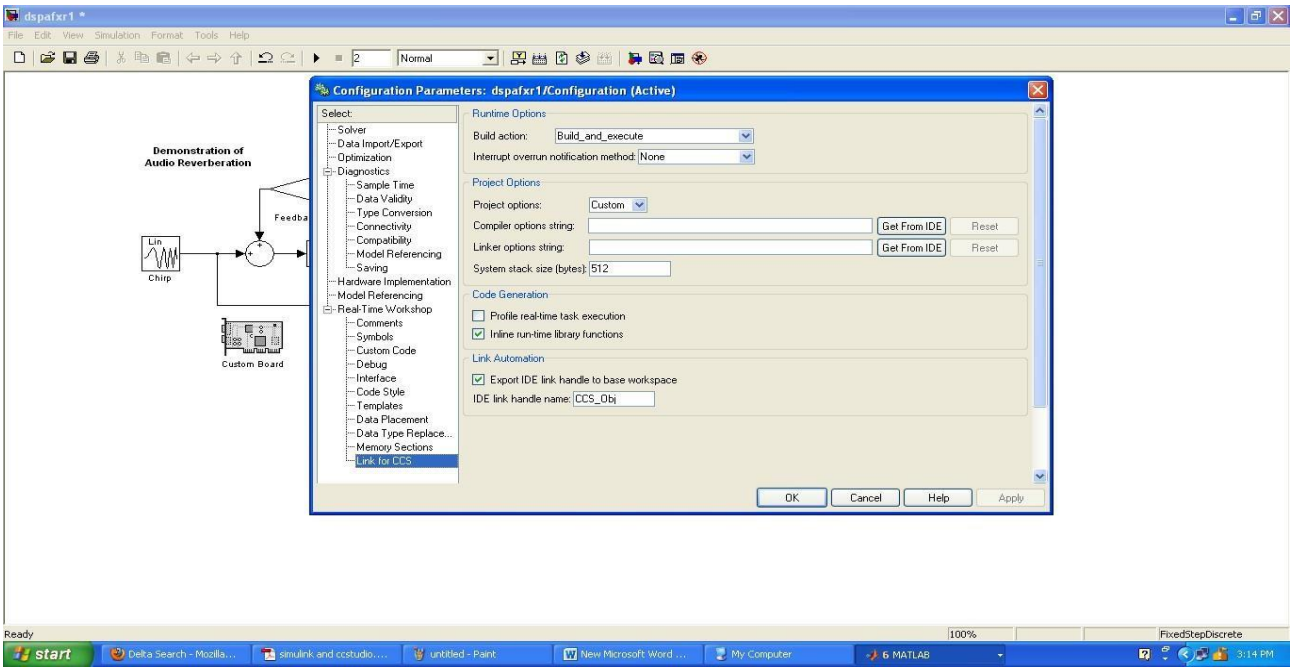
(in the build type click build and apply it ok and click yes)

Step18:



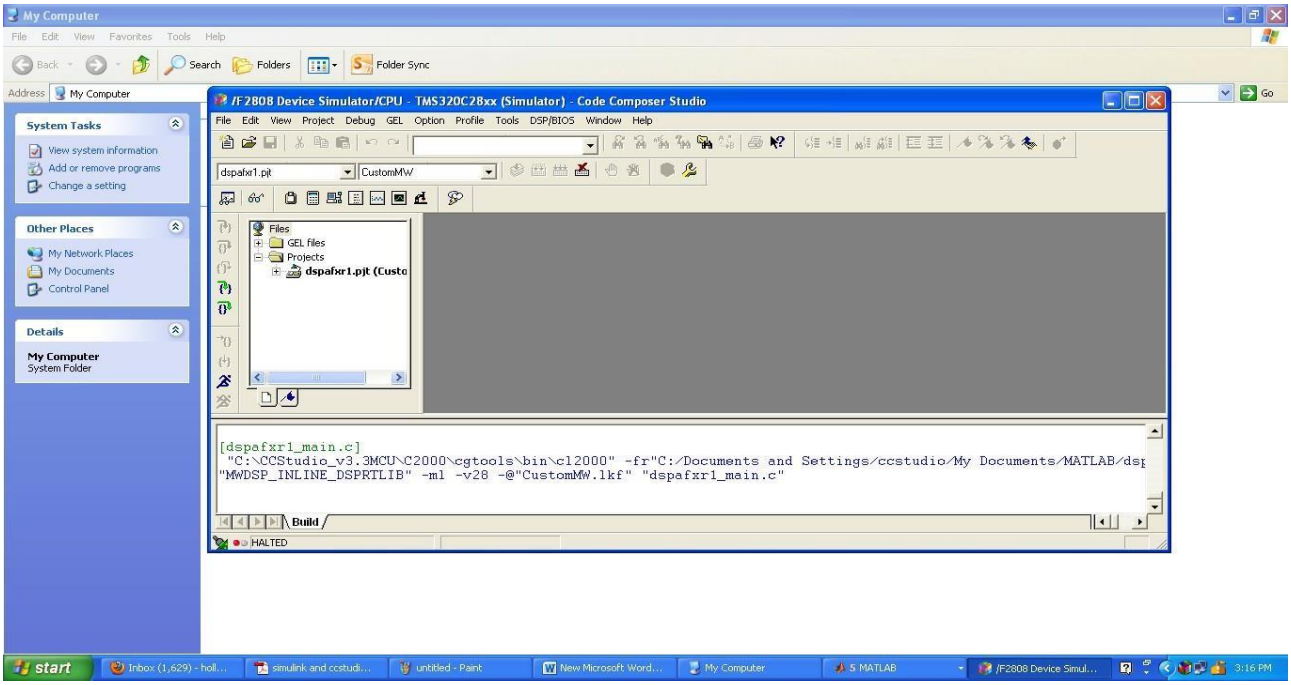
(simulate/configuration parameter

Step19:



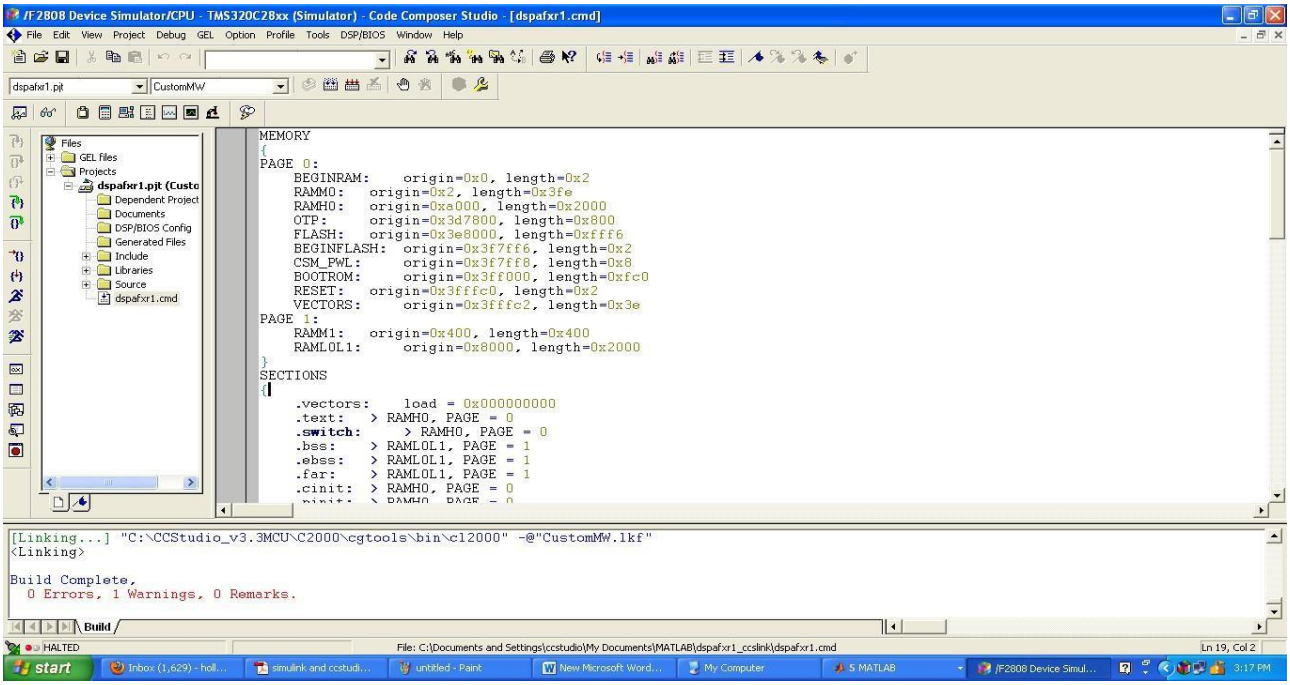
(in the config parameter click link to ccs and in the model make ctrl+b))

Step20:



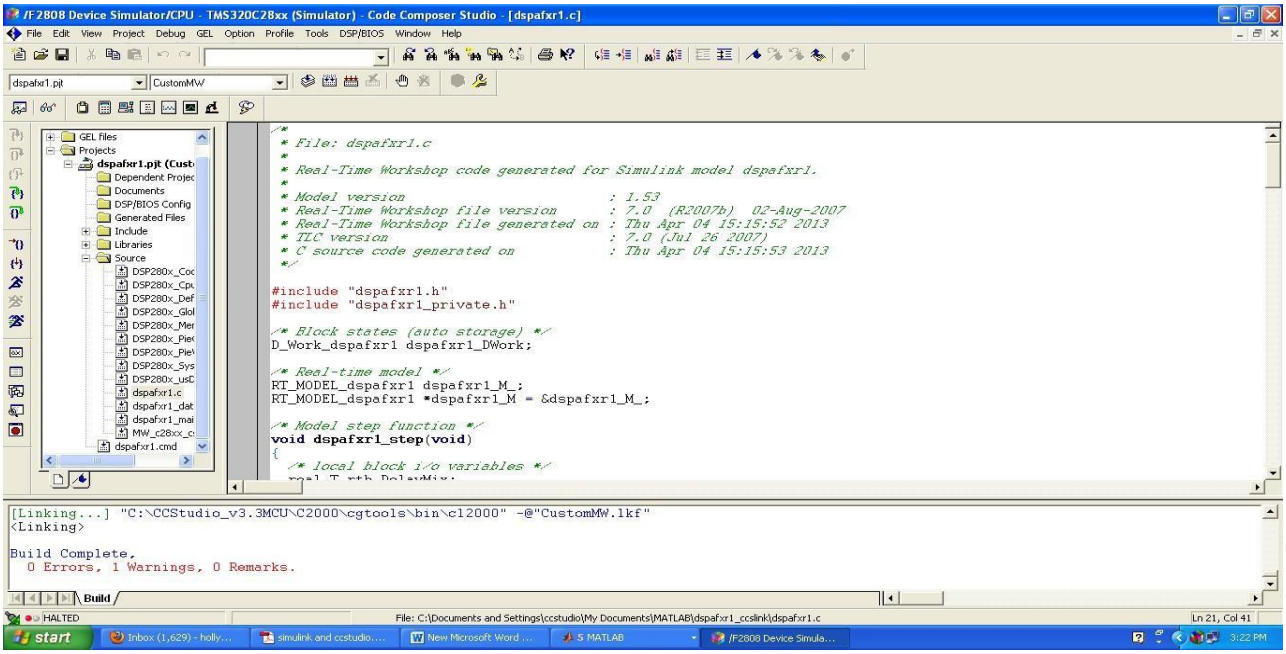
(in the device simulator click dspafr to get the assembly language of the blocks)

Step21:



(the assembly language of the block is displayed)

Step22:



(the c program for the block is displayed)

For any queries/feedback kindly contact

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