**Project Requirements:**

In this project, the entire MP3 decoder system for mono MP3 files needs to be implemented in LabVIEW.

The last section of this project covers the modifications made in order to obtain a faster throughput from the decoder.

You need to implement the design and test it (Run different MP3 files on it)

Then you are required to apply the modification on section L 12.3.1 and test the modified design.

It is required to calculate the time consuming of Huffman code VI with its time usage (in percentage) are seen in Table 12-2.

for example, if the overall decoding time for an examined file of 21 seconds takes 58 seconds, this means that coding system is slow

The modifications are supposed to speed up the process of decoding MP3 files. It is required to measure the decoding time of the same MP3 file after the modification of Huffman coding system to and compare is with the one before modification to compare both coding methods and find the speed up percentage achieved by modification.

