Lab 3: Channel Coding

1. Load the source binary data from Lab 1 (step 3). Add channel coding block, and use (7,4) block coding after PCM block. Refer to the block diagram.

2. Decode the binary sequence and recover the quantization levels, compare with y_q at the transmit side. You should have exact the same sequences.

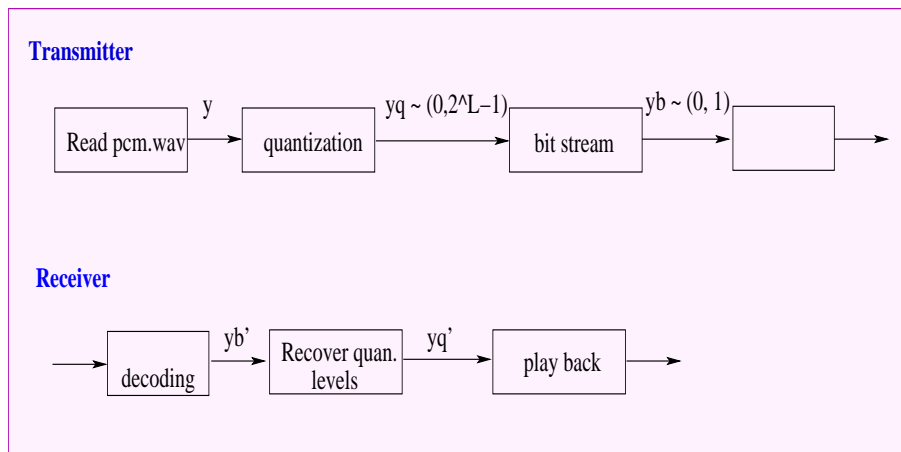3. Assuming the bit error rate of the channel is 0.1. Simulate the error probability by exploiting the error correction capability of channel coding.

Figure 1: Lab 3: Procedure diagram.