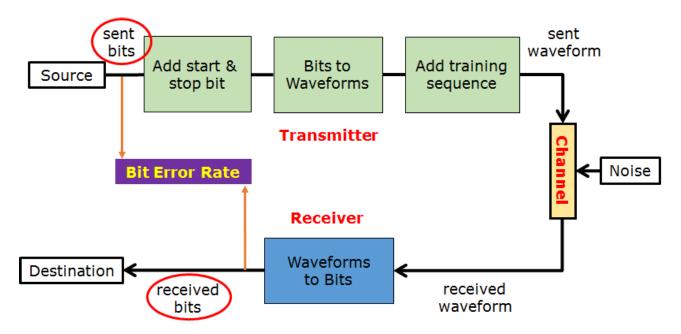
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LAB 8 - OVERALL OBJECTIVES

The objective of this lab is to evaluate the performance of the communication system over a noisy channel by calculating the bit error rate (BER). You will investigate the effect of three parameters, namely, the signal to noise ratio (SNR), the decision threshold, and the bit time (SPB), on the BER performance.



There are three tasks in this Lab.

In task 1, you will examine how the bit error rate (BER) for communication over a noisy channel varies with distance and the signal to noise (SNR) ratio.

In task 2, you will investigate how BER changes with the decision threshold, as well as the probabilities that the inputs bits are 0 or 1.

In task 3, you will investigate the effect of bit time on the BER.







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