

DESIGN OF A TRANSMITTER AND A  
RECEIVER USING PCM FOR TRANSMISSION

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## Abstract

Many people rely on a multitude of devices for communication with others. Each new device gives its users the convenience of its unique applications. However people are more dependent on phone communication. It is an easy way to communicate, where one can just pick up the phone and dialed a few set of numbers and talk to the other partner. But nowadays the technology is more advance where the voice through communication can be digitalized. So digital phone has becoming more popular and modern telephone system made use of pulse code modulation to improve the quality of voice transmission. Pulse Code Modulation (PCM) is used as the digital backbone of the land telecommunications.

The aim of the project is to build a project similar to PCM phone system and the system will have both a transmitter and a receiver