

## ABSTRACT

Lately requirement of society service activities of telecommunications will mount fastly. Although growth of technology phone cellular progressively go forward, telephone fixed or house telephone still enthused and represent an requirement in society. But at area with condition of network phone which have full/solid, installation of house telephone/PSTN its impossible caused by limitation of mount phone in an network.

One way to overcome the problem of above that is by making fixed wireless phone that is house telephone but using network cellular. At this Final Duty will be designed of fixed wireless phone using CDMA network. That is by exploiting turned into CDMA handphone to become fixed phone and design an interface control by using AT89C51 mikrokontroler as main controller to be earning is parallel.

From result of scheme obtained is *fixed wireless phone* will be parallel with house telepon and have facility of password to can't local or interlocal outgoing call or only contact just certain numbers in parallel part.