**Abstract**

I have presented this independent thesis on “Mobile Phone Communication Technology and Public Communication Issues”. The mobile phone communication has been developing daily in a rapid phase. In that context, the technical methods dedicated to the mobile phone communication have to be used. But many problems have been faced in the development of communication facilities, because of the low level of awareness of the methodologies or the scientific theories of it. This is a huge challenge for the government institutes which work with dedication to develop the communication infrastructure, and for the service providers which work for the spread of those services.

Also, this has become a major problem for the people who try to fulfill their communicational needs using under developed networks. Therefore, the problems arising and the communicational strategies that can be used to minimize those problems are discussed here.

Here, the main attention is given to the transmission of the radio waves using telecommunication towers. Three main problems regarding this technology among the people, namely , whether there is a relationship between the telecommunication towers and the occurrence of lightening, whether this causes harm to electrical appliances and the electrical system, and whether the telecommunication towers become causes of public health issues are considered on this research.

The possibility of fulfilling the development communicational need through using mass media and traditional media is studied here and among all those media, the small group communication has become a major part in developmental communication. Because it is important that the general public should be given awareness on the scientific methods and the methodologies when making the people aware of mobile phone communication technology, this research has concluded that the strongest media is the small group communication, although there are various development projects implemented for the people.

**Keywords**

Frequency Cell; Transmission; Ionizing ; Lightning; Moss Signal; Network Busy; Telegraphy; Tower