Since the first computers appeared in the market at the end of the 50s, its development has rapidly evolved and its use has spread out practically in all organizations. Based on theories of the organizational evolution diffusion of IT, in this document an analysis is made on the form in which large enterprises in the region of Iztapalapa (LEI) have adopted and diffused the use of Information Technology. For so doing, three main technologies were selected: Electronic Data Processing (EDP), Personal Computers (PC) and server-client Networks (N). It was found that EDP technologies had an application difference of 10 years from its appearance in the market to its use in enterprises in Iztapalapa. PC had become general use technologies. Finally, networks had almost a simultaneous application than PC, a fact that allowed enterprises to make a quicker use of their computer resources and in a more efficient way.

**Keywords**

Information technologies, IT innovation, IT diffusion, use of IT, large enterprises, Mexico