

## ABSTRACT

The impressive growth of cellular mobile telephony, as well as the number of Internet user, promises an exciting potential for market that combines both innovations, that is the cellular wireless data services. It is foreseen that within the next few years there will be an extensive demand for wireless data services.

GPRS is a Data communication service system based on packet switch on GSM that improves the utilization of the radio resource and channel efficiency. GPRS system offered higher data transfer speed than a GSM data transfer.

The realization of the GPRS system requires upgrades to the existing GSM Network element. This Final Project discusses Resource Managemant for Multimedia Application at the GSM-GPRS network. Resource management is a open system standart, dependent on the specific resource management scheme applied by vendor. Different channels allocation given amount of MS Population at the cell. Delay and Blocking used to analyze a system performances.