Title : Smart car parking using mobile application

We approach a special system for smart parking reservation and security maintenance in a commercial car parking area in an urban environment. This system mainly designed to avoid unnecessary time conception to find an empty lot in a car parking area. By the same case we can also save more than 80% of fuel wastage in a car parking area to finds the empty parking slot. The reservation process is happening only by user. Hence the user finds the empty parking lot and makes the action of with driver’s own knowledge. Here we give the major response to user’s reservation action and hence the driver can reserve his own likely parking slot based on the cost function. We have proposed a system with multi-processing queuing mechanism (MPQM) to avoid multi-user approach problem (MUAP) during reservation process in our smart parking reservation system.