

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELGAUM-590018**



**A REPORT ON PROJECT WORK  
MULTI-FLOOR SMART CARD BASED AUTOMATED  
PARKING SYSTEM**

*Submitted in partial fulfillment of the requirements for the award of the degree of*

**BACHELOR OF ENGINEERING  
IN  
ELECTRONICS & COMMUNICATION**

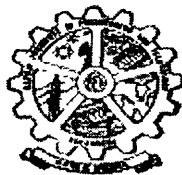
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**PROJECT GUIDE**

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## **ABSTRACT**

The increasing number of vehicles like cars and the ever decreasing amount of free space makes searching for parking places very difficult, especially in metropolitan areas. This system not only just applies to cities, urban areas and business parks, but also to office buildings, airports, train and subway stations, trade centers and hotels. Parking is increasingly becoming the deciding factor for companies who are looking to re-locate or build to suit.

As the cars should be parked in a parking slot, when parking slot is filled the next arriving car must be parked somewhere. i.e., On road sides which leads to congestion for the vehicles to move, and causes traffic jam. This also requires a greater manpower, to guide the car drivers to park the car in specific area. Hence the system aims at efficient utilization of ground space for parking purpose.