

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

KARNATAKA, INDIA – 590014



A Project Report On

“Design and Implementation of a Prototype Smart parking (SPARK) System Using Sensor Networks and Android App”

Sponsored by KSCST Student Programme (SPP).

In partial fulfillment of requirement for the award of the degree of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belgaum.

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ABSTRACT

With the rapid proliferation of vehicle availability and usage in recent years, finding a vacant parking space even in multi floored parking space is becoming more and more difficult, resulting in a number of practical conflicts. Parking problems are becoming ubiquitous and ever growing at an alarming rate in every major city. Widespread use of wireless technologies paired with the recent advances in wireless applications for parking, manifests that digital data dissemination could be the key to solve emerging parking problems. Wireless Sensor Network (WSN) technology has attracted increased attention and is rapidly emerging due to their enormous application potential in diverse fields. This buoyant field is expected to provide an efficient and cost-effective solution to the effluent car parking problems.