VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI- 590 018

A PROJECT REPORT ON

"SMART PARKING SYSTEM"

Submitted in partial fulfilment for the award of Degree of,

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

Submitted By

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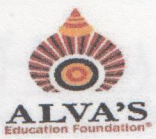

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

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CERTIFICATE

This is to certify that the project work entitled **"SMART PARKING SYSTEM"** has been successfully completed by

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the bonafide students of **Department of Computer Science & Engineering, Alva's Institute of Engineering and Technology** in partial fulfilment for the award of BACHELOR OF ENGINEEERING in **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2018-2019. It is certified that all corrections/ suggestions indicated for internal assessment have been incorporated in the deposited in the departmental library. The project repot has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Megha Hegde 6/5/19

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ABSTRACT

The project entitled "THE SMART PARKING SYSTEM" presents an IOT based smart parking system which provides an optimal solution for the parking problem in metropolitan cities. Due to rapid increase in vehicle density especially during the peak hours of the day it is difficult task for the users to find the parking space to park their vehicles. The proposed smart parking system consists of an onsite deployment of an IoT module that is used to monitor and signalize the state of availability of each single parking space. This helps the end user in utilizing the time efficiently and reach their destination in desired time. A web application is also provided allows end user to check the availability of parking space and book a parking slot accordingly.