BMS EDUCATIONAL TRUST

BMS COLLEGE OF COMMERCE AND MANAGEMENT

No.97, Kavi Lakshmisha Road, VV Puram,
Bengaluru-560004

BACHELOR OF COMPUTER APPLICATIONS

(BCA606P)

A project report on

ATTEDANCE MANAGEMENT SYSTEM USING QR-CODE VERIFICATION

Submitted in partial fulfilment of requirement
for the award of the degree

BACHELOR OF COMPUTER APPLICATIONS

of

Bengaluru City University

By

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No.97, Kavi Lakshmisha Road, VV Puram,
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2022

BMS College of Commerce and Management
VV Puram, Bengaluru-560004
Department of Bachelor of Computer Applications

2022

CERTIFICATE

This is to certify that the project entitled

ATTEDANCE MANAGEMENT SYSTEM USING QR-CODE VERIFICATION

Submitted in partial fulfilment of requirement for the award of the degree of

BACHELOR OF COMPUTER APPLICATIONS

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is a result of the bonafide work carried out by

DHANUSH RAJU S [R1922819]
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During the academic year 2022

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DECLARATION

I Dhanush Raju S, Manoj S, VI semester BCA student of **BMS COLLEGE OF COMMERCE AND MANAGEMENT**, Bengaluru do hereby declare that the project entitled "**ATTENDANCE MANAGEMENT SYSTEM USING QR-CODE VERIFICATION**" is the original work carried out by me towards partial fulfillment of the requirement of Bachelor of Computer Applications, Bengaluru City University.

I further declare that the project has not been submitted previously by me for the award of any degree or diploma to any other college.

Date : 26-08-2022 **DHANUSH RAJU S [R1922819]**

Place : Bengaluru **MANOJ S [R1922831]**

ABSTRACT

Student attendance has become one of the concerns at colleges in recent years. Teachers marking the attendance of students manually has become a tedious job and time consuming. The other way is by introducing recourses such as semi-conductor chips in the student's identity card which are not cost-effective as semi-conductor chips put in extra cost. Along with that there has been a shortage of semi-conductor chips in recent years and post pandemic the technology has evolved a lot due to online classes and many more. To overcome, we need a cost-effective and an automated attendance management system is required. Attendance Management System Using QR-Code Verification Technique is one such online application developed for the ease of marking the attendance of the students. The proposed system is one of the effective, time saving and cost-effective software developed. The software uses Quick Responsive codes (QR codes) to mark the attendance of students by reducing the manual work. The problems of a student creating clone version of app or creating parallel space to log in to other student's account to mark proxy can arise. Another problem that might arise in the existing systems are that the QR codes can be shared among the students due to which the students can mark their attendance from anywhere even though they are not attending the classes. The proposed application comes with advanced features where all these problems are resolved, assuring the application to be dynamic and safe. The students can even view and maintain their attendance from this application by attending classes. This makes the system efficient in speeding up the process. The lecturer can even track the student attendance easily with the application round the clock. This application has been made completely smooth and responsive to the user making it feasible from the beginning.

TABLE OF CONTENTS