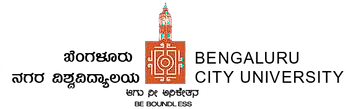
Mini Project Report

on

# “IoT Based Smart Attendance System Using RFID and Google Sheet”

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

# MASTER OF COMPUTER APPLICATIONS

Of

By

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**2023 - 2024**

# AKASH GLOBAL COLLEGE OF MANAGEMENT AND SCIENCE

Approved by AICTE, affiliated to Bangalore City University & Recognized by Government of Karnataka.

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# MASTER OF COMPUTER APPLICATIONS



CERTIFICATE

This is to certify that mini project entitled “**IoT Based Smart Attendance System Using RFID and Google Sheet”** has been submitted by **YASHWANTH G GOWDA[P18FU22S126020] AND YASHAS R [P18FU22S126042]** bearing Students of Third semester **MCA** as partial fulfilment of the requirements for the award of the degree of completion Third semester of MCA of Bangalore City University, **MCA** course in the Laboratory of this college in the year 2023-2024. The work has not been submitted to any other college or University for the award of any degree.

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# ACKNOWLEDGEMENT

This satisfaction and euphoria that accompany the successful completion of any task would be incomplete without the mention of the people who made it possible because “Success is the abstract of Hard Work and Perseverance, but steadfast all is encouraging guidance”, so we acknowledge all those whose guidance served as a beacon light and crowned our efforts with success. This materialization of idea of this presentation has seen the valuable contribution from a large number of individuals in the form of constructive criticism, well-wishers and above all words of inspiration.

With immense pleasure, we take this opportunity to express our gratitude to the beloved **Dr. ChannaveereGowda**, Principal of **AKASH GLOBAL COLLEGE OF MANAGEMENT AND SCIENCE.**

We would like to acknowledge the interest and the support extended by our H.O.D of **Master of Computer Applications, Mr. Naveen M V,** for encouraging us towards successful completion of project.

We would like to express our special gratitude and thanks to our guide **Mr. Anil Kumar S V**, Assistant Professor, Department of Computer Applications for giving us necessary details and instruction to carry out the study and successful modification in many approaches.

Finally, we wish to thank every individual who helped us directly or indirectly in making the presentation a grand success.

**Yashwanth G Gowda**

**Yashas R**

# ABSTRACT

# The traditional manual attendance system is very time-consuming, It is insecure and this system can lead to human errors. This system is ineffective as our valuable time and work get wasted in organizing attendance on pen and paper. Hence to overcome this problem we have used a relational database system to store the real-time data of the students. For this project, we used RFID tags and readers to record the attendance of the students. To manipulate and represent the data based on the unique RFID tags, which get fast and easily scanned on the RFID reader [1].RFID technology is an automatic wireless identification system. This particular system works with active and passive RFID cards and a reader. In this work, we have tried to erase the problem of manually taking attendance with the use of RFID technology. This system is used to help the authority manage the attendance of students in a more organized, efficient, and time-saving manner. This particular system has been implemented in a prototype system that uses RFID tags and a reader to calculate attendance which proves its effectiveness over the normal attendance approach. The design of the system is simple, not expensive, and portable to use which makes it good for candidates and also for commercial and academic purposes.

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