VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI-590018

A Mini-Project
Report on

"Smart Junction Box based on IOT"

Submitted In partial fulfilment for the award of degree of

BACHELOR OF ENGINEERING

In

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

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2023-2024

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Mini-Project work entitled **"Smart Junction Box based IOT"**, is a bonafide work carried out by Nagarjuna(3BR21EC405), Raghavendra LC (3BR21EC409), Sai Abhishek B(3BR21EC411), Yallappa N Hallur (3BR21EC415) the bonafide students of Ballari Institute of Technology and Management in partial fulfilment for the award of degree of **Bachelor of Engineering** in **ELECTRONICS AND COMMUNICATION ENGINEERING** of the **Visvesvaraya Technological University, Belagavi** during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said Degree.

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ACKNOWLEDGEMENT

The successful completion of our project was possible because of the help of the people who guided and encouraged us, whom we would like to acknowledge.

We express our warm and profound sense of gratitude to all the eminent faculties who inspired, guided and supported us in accomplishing our project work. We are deeply indebted to our guide and to our coordinator Mrs. Shilpa K R for their noble gesture, support, coordination, valuable suggestions and guidance given to us in completing the project.

We are thankful to DR. SADYOJATHA K M Head of the Department of Electronics and Communication Engineering and our guide Mrs. Shilpa K R for their valuable guidance and suggestion. We would like to express our sincere gratitude to our Director and Chairman Dr. YASHWANTH BHUPAL, Deputy Director Y. J. PRITHVI RAJ and our beloved principal Dr. YADAVALLI BASAVARAJ for providing facilities in the college campus,

We sincerely thank Mrs. Shilpa K R for his guidance and moral support and helping us out whenever we were in need.

Further we would extend our heartfelt benevolence to all the teaching and non-teaching staff of Electronics and Communication engineering for rendering the much-needed co-operation during all these days and we would also wish to reiterate the pivotal role played by our parents in all our lives as they have been the embodiment of sacrifice by catering our needs all the days of our life and enabling us to build this project by providing the much-needed moral and financial support.

On the whole we are indebted to each and every one for standing by us during the difficult times and supporting us in making this venture worthy and cherish able.

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ABSTRACT

People want smart technology in every place possible when they are into their homes or away from their homes. A Smart Junction Box based on IOT is a device or method used to control the switches using mobile by connecting Wi-Fi. The implemented system was developed in combination of hardware and software. It's a unique device are used Wi-Fi module is used to connect mobile to control the switches. The system empowered the user to connect the internet and by connecting the Wi-Fi module i.e., ESP8266 connecting devices and relays in an IOT network.

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