

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI-590018**



An internship project report on
“IOT AND EMBEDDED SYSTEMS”
Submitted in partial fulfillment for the award of degree of
Bachelor of Engineering
In
Electronics And Communication Engineering

Submitted by
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Internship coordinated by
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Bearys
Institute
of Technology
MANGALORE

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ENGINEERING**
BEARYS INSTITUTE OF TECHNOLOGY
Boliyar Near Mangalore University, Mangalore, Karnataka-574143
2022-2023

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CERTIFICATE

Certified that the Internship on **“IOT AND EMBEDDED SYSTEMS”** of a bonafide work carried out by **Mr.Kaveri Chandrahekhhar Basarakod(USN-4BP19EC007)** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and communication Engineering** of the **Visvesvaraya Technological University, Belagavi**, during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

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ACKNOWLEDGMENT

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DECLARATION

I **Kaveri Chandrashekhar Basarakod** bonafide student of 8th-semester B.E in Electronics and Communication Engineering, Beary's institute of Technology Mangalore, hereby declare that the internship work entitled "**IOT AND EMBEDDED SYSTEMS**" has been independently carried out by me, and submitted in the partial fulfillment of the requirements for the award of the degree of **Bachelor of Engineering in Electronics and communication Engineering** of the Visvesvaraya Technological University during the academic year 2022- 2023. Further, the matter embodied in the Internship report has not been submitted previously by anybody for the award of any degree or diploma to any other University.

Place: Mangalore

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Certificate of Internship

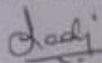
To Whomsoever It May Concern

This is to certify that Ms. Kaveri Chandrasekhar Basarakod, B.E (Electronics and Communication Engineering) student of Bearys Institute of Technology - Mangalore, has undergone Internship on "IoT & Embedded Systems" in our company for 4 weeks from 20th August 2022 to 18th September 2022 in partial fulfilment of her course study. During this period, she has done the work sincerely and her conduct was good.

We wish all the very best for her future endeavours.

Regards,

For **TECH-GRAYLOGIX**



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ABSTRACT

The combination of IoT and embedded systems has transformed the way we interact with technology, enabling the creation of smart devices that can collect and exchange data. Embedded systems are vital in IoT as they provide the hardware and software necessary for device communication and control. This abstract provides an overview of the definitions, characteristics, and applications of IoT and embedded systems. It also explores some of the challenges associated with these technologies, such as security, reliability, and interoperability. Furthermore, the impact of IoT and embedded systems on various industries, including healthcare, transportation, and manufacturing, is discussed, highlighting their potential to improve efficiency, reduce costs, and enhance safety. Overall, the development and adoption of IoT and embedded systems are critical to realizing their potential to transform the way we interact with technology and the world around us.