

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI, KARNATAKA-590 018**



An Innovation/Societal/Entrepreneurship based Internship Report
*Submitted in partial fulfilment of the requirements for the award of
Degree of*

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

by

Miss. ASHITHA B Y

USN: 4JK21EC006

Internship Carried out

at

DLITHE, Mangaluru

Mentor

Mr. Prakash K. Shetty

Assoc. Professor



**Department of Electronics and Communication Engineering
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY**

(A unit of Laxmi Memorial Education Trust®)

NH-66, Kottara Chowki, Mangaluru – 575006

2023-2024

A. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY
(A UNIT OF LAXMI MEMORIAL EDUCATION TRUST®)
NH-66, KOTTARA CHOWKI, MANGALURU -575006.



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

CERTIFICATE

Certified that the **Innovation/Societal/Entrepreneurship** based Internship report submitted by **ASHITHA B Y**, bearing USN: **4JK21EC006**, a bonafide student of **A. J. Institute of Engineering and Technology** in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the **Visvesvaraya Technological University, Belagavi** during the year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report and deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said degree.

Mentor

Mr. Prakash K. Shetty



Internship Coordinator

Mrs. Divya A

HOD

Dr. Kiran Kumar VG

H.O.D. - Electronics & Commn. Engineering

A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, J. Institute of Engineering & Technology
Mangaluru - 575 006, K.K. Karnataka
Mangaluru - 575 006

Principal

Name of the Examiner

Signature with Date

1. **Prakash K. Shetty**
2. **Dr. Kiran Kumar VG**

28/06/24
28/06/24



DLithe Consultancy Services Pvt. Ltd.
CIN: U72900KA2019PTC121035



Atal Incubation Center
AIC Nitte

27 November 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify Ashitha B Y, bearing USN No: 4JK21EC006 from AJ Institute of Engineering and Technology, Mangalore has successfully completed one-month internship starting from 27-10-2023 to 27-11-2023 under the mentorship of DLithe's development team. Ashitha B Y has worked on various micro-controllers, SoC, sensors, actuators with real time web server development, integrating with IOT platforms using C, C++ programming. Exposure on various communication protocols TWI, SPI and UART was also provided with real-time project implementation of IOT application.

The domain & agile development process exposure was given along with usage of GitHub tool.

During the internship, Ashitha B Y demonstrated good coding skills with good design thoughts.

We wish all the best for future endeavours!

Rohin



For DLithe Consultancy Services Pvt Ltd
Director

Apna

For Atal Incubation Center, Nitte
Dr. A P Achar - CEO, AIC Nitte

Certificate ID: NOV2023IOTW23482