

**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

Ms. SHRADHA

USN: 4JK21EC048

Internship Carried out

at

DLITHE, Mangaluru

Mentor

Mrs. Thrapthi Shetty

Assistant 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 **SHRADHA**, bearing USN: **4JK21EC048**, is 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.

Thrapthi

Mentor

Mrs. Thrapthi Shetty

Internship coordinator

Mrs. Divya A

[Signature]
HOD

Dr. Kiran Kumar VG

H.O.D. - Electronics & Commn. Engineering
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangaluru - 575 006, D.K., Karnataka

[Signature]
Principal
A.J. Institute of Engineering & Technology
Mangaluru - 575 006
Signature with Date

Name of the Examiner

1. *Thrapthi shetty*
2. *Sahana K Adyanthaya*

Thrapthi 06/01/24
Sahana 6/1/2024



DLithe Consultancy Services Pvt. Ltd.
CIN: U72900KA2019PTC121035



Atal Incubation Center
AIC Nitte

27 November 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify **Shradha**, bearing USN No: **4JK21EC048** 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. **Shradha** 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, **Shradha** demonstrated good coding skills with good design thoughts.

We wish all the best for future endeavours!

Rouman



For DLithe Consultancy Services Pvt Ltd
Director

Dr. A P Achar

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

Certificate ID: NOV2023/IOT/562542