

**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

Mr. Vishnu Santhosh

USN: 4JK21EC063

Internship Carried out

at

DLITHE, Mangaluru

Mentor

Mrs. Sahana Adyanthaya

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

2022-2023

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 VISHNU SANTHOSH, bearing USN: 4JK21EC063, 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.

Sahana
Mentor

Mrs. Sahana Adyanthaya

Kiran Kumar VG
HOD

n. e. d. - Electronics and Communication Engineering
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangaluru - 575006, D.K., Karnataka

Name of the Examinee

1. Sahana K Adyanthaya
2. Theapth Shetty

Divya A
Internship coordinator
Mrs. Divya A
AJIET
DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006

Signature with Date

Sahana
6/1/2024

Theapth
06/01/24



DLithe Consultancy Services Pvt. Ltd.
CIN: U72900KA2019PTC121035



Atal Incubation Center
AIC Nitte

27 November 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify Vishnu Santhosh, bearing USN No: 4JK21EC063 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. Vishnu Santhosh 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, Vishnu Santhosh demonstrated good coding skills with good design thoughts.

We wish all the best for future endeavours!



For DLithe Consultancy Services Pvt Ltd
Director

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

Certificate ID: NOI/2023/IOT/9626564