

**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. SUHAN RAI K**

**USN: 4JK21EC053**

**Internship Carried out**

**at**

**DLITHE, Mangaluru**

**Mentor**

**Mr. Ganesh U G**

**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**

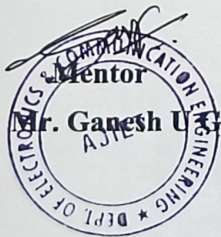
**A. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
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NH-66, KOTTARA CHOWKI, MANGALURU -575006.



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

**CERTIFICATE**

Certified that the **Innovation/Societal/Entrepreneurship based Internship** report submitted by **SUHAN RAI K**, bearing USN: **4JK21EC053**, 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.



  
HOD

**Dr. Kiran Kumar VG**  
H.O.D. - Electronics & Comm. Engineering  
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY  
Mangaluru - 575006, K. K. C. Road

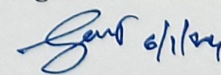
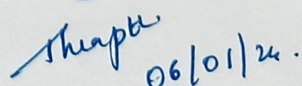
  
Principal

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

**Name of the Examiner**

1. Mr. Ganesh U.G
2. Thrashya shetty

**Signature with Date**

  
  
06/01/24.

27 November 2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify **Suhan Rai K**, bearing USN No: **4JK21EC053** 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. **Suhan Rai K** 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, **Suhan Rai K** demonstrated good coding skills with good design thoughts.

We wish all the best for future endeavours!

*Roum*



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: NOV2023IOT8795653