



## ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

( Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognised by Government of Karnataka )

Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D.K., Karnataka State

Phone : 08258-262724 (O), 262725 (P), Telefax 08258-262726

Email : principalaiet08@gmail.com, Web: www.aiet.org.in

REF NO: AIET/ECE INTERN/2019-20/1922

DATE: 14/12/2019

To,

The Director  
National Aerospace Laboratories  
HAL Airport Road, Kodihalli  
Bengaluru - 560017



Respected Sir,

**Subject: Requesting for internship at NAL, Bengaluru**

The following student studying Bachelor of Engineering from the 3<sup>rd</sup> year of Department of Electronics & Communication Engineering branch of **Alva's Institute of Engineering & Technology** is permitted to undergo internship program in **National Aerospace Laboratories, Bengaluru** from 08/01/2020 to 15/02/2020.

**Mr. Prajwal Kamagethi Chakravarthi P L** - USN: 4AL17EC073

We kindly request you to permit the above mentioned student to do Internship in your esteemed organization and oblige.

Thanking you,

*D.V. [Signature]*  
HOD 14.12.19.

ECE Department, AIET

Dept. Of Electronics & Communication  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

*for D.V. [Signature]*

Principal

AIET

Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225, D.K.

NATIONAL AEROSPACE LABORATORIES  
BANGALORE - 560 017

KNOWLEDGE AND TECHNOLOGY MANAGEMENT DIVISION

KTMD/ARTP/PWT

DATE: 10-1-20

OFFICE MEMORANDUM

The Director, National Aerospace Laboratories, Bangalore has been pleased to accord Practical Training / Project Work facilities for - ME / M.Tech / MCA / BE / B.Tech/ MSc / BS to the following students/Staff/Lecturer:

1. Name of the STUDENT / TRAINEE : Mr. Praywal Kamagethi  
Chakravarthi .P.L.

2. DIVISION : CEM, Dr. Balamati  
Choudhury

3. NAME OF THE INSTITUTION/COLLEGE : Alva's Inst of Engg & Tech

4. DATE OF COMMENCEMENT : 10-1-20

5. DATE OF COMPLETION : 25-2-20

During the period of training the above trainee will have to abide by the rules and regulations of the Laboratory and will be under the administrative control of the Director, NAL Bangalore.

The training will be :

- \* Without any financial commitment of the part of the Laboratory.
- \* At the risk of the trainee and NAL will not be responsible for any accident, loss or injury that the trainee may suffer during the course of the training.

Jagadeesh R  
JAGADEESHA R  
STO-3, ARTP, KTMD

PS: The Trainee should contact KTMD office atleast two days before the completion of formalities of their training / Project work.

- Cc: 1. HOD/Project Leader at NAL  
2. Security Officer - to issue ID card  
3. Institution / College  
4. Students/Trainee concerned

D.V. [Signature]

H. O. D.

Dept. Of Electronics & Communication  
Alva's Institute of Engg. & Technology  
Mylar MOODBIDRI - 574 220





वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्  
राष्ट्रीय वातरिक्ष प्रयोगशालाएं  
Council of Scientific & Industrial Research  
National Aerospace Laboratories

पी. बी. रोड / PB No. 1779, एयरपोर्ट रोड / HAL Airport Road, बंगलूरु / Bengaluru - 560 017, भारत / INDIA  
फोन (का) / Phone (Off.) : +91-80-2527 3351-54, 2508 8000-8399 ; फैक्स / Fax : +91-80-2528 0862, 2527 0879  
वेबसाइट / Website : <http://www.nal.res.in>

## CERTIFICATE

This is to certify that the Project Report entitled "*Metamaterials for Stealth Application*" submitted by **Prajwal Kamagethi Chakravarthi P. L.** on partial fulfillment of the requirements for the award of the degree of *Bachelor of Engineering in Electronics and Communication*, *Alva's Institute of Engineering and Technology, Visvesvaraya Technological University* is a bonafide record of the work carried out at Council of Scientific and Industrial Research - National Aerospace Laboratories, Bengaluru from 10<sup>th</sup> January 2020 to 25<sup>th</sup> February 2020 under my supervision and guidance.

*Balamati Choudhury*  
Dr. Balamati Choudhury  
Project guide  
Sr. Scientist  
CEM, CSIR-NAL, Bengaluru

वैज्ञानिक / Scientist  
विद्युत्चुम्बकीय केन्द्र  
Centre for Electromagnetics  
वैज्ञानिक-राष्ट्रीय वातरिक्ष प्रयोगशालाएं  
CSIR-National Aerospace Laboratories  
बंगलूरु / Bangalore-560 017

*D.V. [Signature]*  
H.O.D.  
अध्यक्ष, इलेक्ट्रॉनिक्स & कम्युनिकेशन इंजीनियरिंग  
अलवा इंस्टीट्यूट ऑफ़ इंजीनियरिंग & टेक्नोलॉजी  
अलवा, विजयवाड़ा, विश्वेश्वरय्या तकनीकी विश्वविद्यालय