

भारत सरकार
अन्तरिक्ष विभाग
वायुमंडलीय अनुसंधान प्रयोगशाला
पो.बॉ.नं. 123, एमवीयू कैम्पस डाक घर
तिरुपति - 517 502
प्रयोगशाला : पो : गडंकी-517 112
पाकाला मंडल, चित्तूर जिला, आंध्र प्रदेश
दूरभाष : + 91 8585 272024, 222140
फै : + 91 877 2248146 / + 91 8585 272018/21



GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
NATIONAL ATMOSPHERIC RESEARCH LABORATORY
P.B. No.123, P.O SVU Campus
Tirupati-517 502

Laboratory: P.O. Gadanki - 517 112
Pakala Mandal, Chittoor Dist., Andhra Pradesh
Phone: + 91 8585 272024, 222140
Fax: + 91 877 2248146 / + 91 8585 272018/21

Dr. Dattatreya Gujjar
Sr. Prof., Department of ECE
Alva's Institute of Engineering and Technology
Mijar, Moodabidri -574225

June 29, 2017

Sub: Letter of Joint collaboration under project of GNSS network by NARL

Sir,


This is to initiate collaboration and joint research work for application of GNSS and ionospheric/atmospheric studies using navigation satellites under an on-going activity of ground based GNSS receiver network at NARL.

A GNSS receiver make "Septentrio PolaRxS PRO" with a "Septentrio GNSS MF-Antenna" and cables was installed at your institute on 17 April 2017 for the aforementioned objective. The plan is to study the delay over the satellite signals due to Earth's Atmosphere and Ionosphere and its effect in precise applications areas. The continuous data from the GNSS receiver installed at your lab would be utilized on collaboration basis.

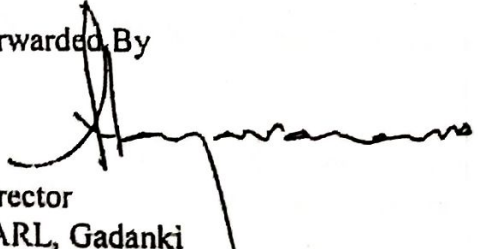
We wish that your institute also takes active part in using the data processing and research using the data recorded from this receiver at your site. Please note that the research publications using data from this receiver would be shared with you. Also, shall you wish to lead in specific scientific objectives under this plan and we assure you the best of our support.

This letter is intended to initiate the joint work and extend the operation of our GNSS receiver at your institute for 3 years. Please do the needful to support the installation of the receiver at your institute and send a response letter with similar intent. Thank you very much for your support to scientific research and development.

Sincerely yours


(Dr. Nirvikar Dashora)
Scientist/Engineer-SE
NARL, Gadanki

Forwarded By


Director
NARL, Gadanki

प्रो. ए. जयरामन / Prof. A. Jayaraman
निदेशक, एन.ए.आर.एल / Director, NARL
अन्तरिक्ष विभाग / Dept. of Space
भारत सरकार / Govt. of India
गडंकी / GADANKI-517 112

INTERNSHIP CERTIFICATES

2018-2019

भारत सरकार
अन्तरिक्ष विभाग
राष्ट्रीय वायुमंडलीय अनुसंधान प्रयोगशाला
पोस्ट बॉक्स नं. 123, एमवीयू कैम्पस डाक घर
तिरुपति-517 502
साइट : पोस्ट व ग्राम, गदंकी-517 112
चिन्नूर जिला, आंध्र प्रदेश
दूरभाष : 91-8585 272024, 272020
फैक्स : 91-8585-272018/21



GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
NATIONAL ATMOSPHERIC RESEARCH LABORATORY
P.B. No. 123, SVU Campus P.O.
TIRUPATI 517 502
Site : P.O. & Vill. Gadanki 517 112
Chittoor Dist., Andhra Pradesh
Phone : 91-8585 272024, 272020
Fax : 91-8585-272018/21

CERTIFICATE

This is to certify that the following students

A SHREYA	4AL15EC001 ✓
CHARAN RAJ S	4AL15EC017
DEVIKA H S	4AL15EC019
HARSHITHA N P	4AL15EC030

of B.TECH -Electronics and Communication Engineering studying at ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY have successfully completed their internship from 23rd January 2019 to 22nd February 2019 at NARL, Gadanki. During their internship they have worked on "Implementation of GNSS-SDR and its application for PPP at AIET campus" under the guidance of Mr. Himanshu S. Sethi, Sci. /Engr. SC and Dr. Nirvikar Dashora, Sci. /Engr. SF with full support of Dr. Dattathreya Gujar, Dean (Planning) & Sr. Professor, AIET.

H S Sethi

(Himanshu S. Sethi)

Sci. /Engr. -SC

NARL, Gadanki

Nirvikar Dashora

(Dr. Nirvikar Dashora)

Sci. /Engr. -SF

NARL, Gadanki

डॉ. निर्विकार दशोरा / Dr. Nirvikar Dashora
वैज्ञानिक/इंजीनियर 'एसई'/Scientist/Engineer 'SI'
राष्ट्रीय वायुमंडलीय अनुसंधान प्रयोगशाला
National Atmospheric Research Laboratory
अन्तरिक्ष विभाग/ DEPARTMENT OF SPACE
भारत सरकार/ GOVERNMENT OF INDIA
गदंकी/ GADANKI 517 112, Chittoor Dist., Andhra Pradesh