

Date: 11/03/2017

Letter of Intent for Asset Mapping

Between

National Remote Sensing Centre, Hyderabad - 500037
ISRO, DOS

and

Alva's Institute of Engineering and Technology, Mijar, Moodbidri

ISRO has developed an online Portal - Bhuvan Panchayat (www.bhuvan-panchayat.nrsc.gov.in) with the space-based inputs towards resource-based and integrated spatial developmental planning of rural areas in a user-friendly enabling environment under the project 'Space based Information Support for Decentralized Planning (SIS-DP)'. In order to utilize the Portal for decentralized planning by Panchayat Raj Institutions (PRIs), ISRO has initiated a new project called Empowering Panchayati Raj Institutions Spatially (EPRIS) with the goal to empower PRIs by utilizing the Portal for developmental planning at Panchayat level. Towards achieving the goal, it is essential to have the information of existing assets so that one can assess the gap area and plan for new assets.

NRSC has initiated implementation of EPRIS project covering 10% of Panchayats with the help of Partner Institutions namely, SRSACs, NIRD and NGOs. Further to fasten the activity, the asset mapping workshop was conducted through distance learning from IIRS on 27th June 2016 to several academic institutions. During the workshop many academic institutions showed interest to participate in the asset mapping exercise. To carry out the asset mapping activity with Academic Institutions in a stipulated time of 3 months, ISRO has identified a nominal amount of Rs. 2000 per gram Panchayat for the logistics support. To avoid duplication of work, this Letter of Intent for asset mapping has been prepared for joint signature by NRSC & academic institutions.

In this Letter of Intent, National Remote Sensing Centre (NRSC) is the nodal agency for capacity building, asset mapping and activity planning for empowering PRIs, NRSC and Alva's Institute of Engineering and Technology, Mijar, Moodbidri, agree to exercise their best efforts in fulfilling the following obligations for asset mapping in the selected Gram Panchayats (as per list shown in Annexure-1):

1. All the community assets lying in the selected Gram Panchayat area are to be mapped using the latest version of Bhuvan Panchayat Asset Mapping Mobile App, freely downloadable from the Bhuvan Panchayat Portal (www.bhuvan-panchayat.nrsc.gov.in).
2. The asset mapping is to be done in co-ordination with the local Elected Panchayat Representatives / Panchayat functionaries and validated by the concerned Elected Panchayat Representative / Panchayat functionary.
3. The assets successfully mapped by the Bhuvan Panchayat Mobile App will be available on the Portal after moderation.
4. The following documents, available in Bhuvan Panchayat Portal for free download, may be referred for the detailed methodology: (i) Asset Directory and Mapping Guidelines, and (ii) Bhuvan Panchayat Asset Mapping App User Manual.
5. Remuneration will be paid to the University at the rate of Rs. 2000 per Gram Panchayat on signing of this Letter of Intent.

Dr. Ravi
20/3/17

V. S.
27/3/17

[Signature]

6. University/Institutes should make their own arrangement for Smart phone(s) for collecting the asset data in the field
7. After successful mapping of all the assets utilization of fund with necessary certification by the Panchayat Representative/ Panchayat functionary need to be submitted to NRSC
8. After successful asset mapping, developmental activity planning using Bhuvan Panchayat platform will be planned separately by capacity building of the locals with the participated academic institutions at Panchayati Raj Institutions.

This letter of intent is valid until successful completion of the task as per the above obligations, or 3 months from the date of signing this letter, whichever is earlier. The obligations under this letter of intent can be nullified on mutual consent. This letter of Intent is not intended to and shall not constitute in any way a binding or legal agreement, or impose any legal obligation or duty on either party.

Signatures



वी. रघु वेंकटरामन
V. Raghun Venkataraman
National Remote Sensing Centre
CGM-RC, NRSC



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



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भारत सरकार
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राष्ट्रीय सुदूर संवेदन केन्द्र
क्षेत्रीय सुदूर संवेदन केन्द्र - दक्षिण
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Indian Space Research Organisation
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Regional Remote Sensing Centre-South
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RC: BG: 13.3

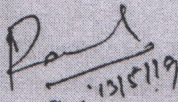
April 13, 2019

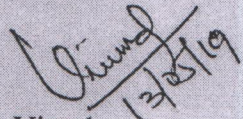
CERTIFICATE

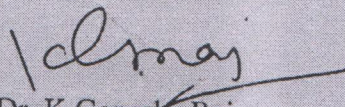
This is to certify that the following students of Alva's Institute of Engineering and Technology, Moodabidri have satisfactorily completed the Internship project work "Image Classification using APACHE SPARK", at Regional Remote Sensing Centre-South, NRSC/ISRO, Bengaluru during January 2018 to February 2018, in partial fulfillment of the requirements for the award of Bachelor of Engineering (Computer Science), under the guidance and supervision of the undersigned.

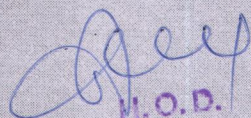
- | | |
|--------------------------|--------------|
| 1. Ms.Nidhi Chakravarthy | (4AL15CS062) |
| 2. Mr.Prajwal S | (4AL15CS069) |
| 3. Ms.Rakshitha M | (4AL15CS078) |
| 4. Ms.Shetty Niketha | (4AL15CS113) |

Guided by


Dr.S Rama Subramoniam
Scientist/ Engineer 'SE'
RRSC-South, Bengaluru


P.V. Vinod
Scientist/ Engineer 'SD'
RRSC-South, Bengaluru

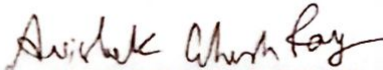

Dr. K Ganesha Raj
General Manager
RRSC- South, Bengaluru

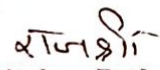

M.O.D.
Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODABIDRI - 574 225

Certificate


This is to certify that the project entitled "DATA ANALYTICS WITH ELK STACK AND CUSTOM DASHBOARD APPLICATION FOR BHUVAN USAGE STATISTICS" is a record of the bonafide work done by SHETTY RASIK RAMCHANDRA (4AL16CS093), SHETTY SANATH SANTOSH (4AL16CS094), PARIKSHITH ADIGA B(4AL16CS126) at NATIONAL REMOTE SENSING CENTRE, ISRO Hyderabad during the period of 17th January 2019 to 17th April 2019, The project report is being submitted in partial fulfilment of the requirements for the award of degree of B.E in " Computer Science and Engineering" at ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY mijar, moodbidri, Karnataka, they have completed the assignment work satisfactorily.

This a record of bonafide work carried out by them under my guidance and supervision.


Mr. AVISHEK GHOSH ROY
Sci/Eng.SC
BSN&SQ, G&WGS
National Remote Sensing Centre
ISRO, Dept. of Space
Govt. of India
Balanagar, Hyderabad-500037


Mrs. Rajashree Bothale
General Manager, Outreach Facility
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*(Dr. Rajashree V. Bothale)
महा प्रबन्धक, जनसंपर्क सुविधा
राष्ट्रीय सुदूर संवेदन केंद्र, भारत सरकार
अंतरिक्ष विभाग, भारत सरकार
ISRO, Dept. of Space, Govt. of India
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