

**One Week IIRS ISRO Outreach Programme on
 “Digital Photogrammetry based 3D modelling”
 (Human Resource Development Center, Integral University, Lucknow)
 July 29 - August 2, 2019**

Human Resource Development Centre (HRDC), Integral University Lucknow is one of the Remote Center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India. Human Resource Development Centre, Integral University, Lucknow had successfully organized the 48-Outreach Programme on “**Digital Photogrammetry based 3D modeling**” from July 29 - August 2, 2019 for working professionals and students in association with Indian Institute of Remote Sensing, Indian Space Research Organization, Department of Space, Govt. of India, Dehradun.

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organization (ISRO) is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geo Informatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia.

Prime focus of 48-IIRS ISRO programme was Digital Photogrammetry based 3D modelling. Digital close range photogrammetry is a technique for accurately measuring objects directly from photographs or digital images captured with a camera at close range. Multiple, overlapping images taken from different perspectives, produces measurements that can be used to create accurate 3D models of objects.



The technical sessions constituted of a wide variety of topics taken by a team of expert’s viz.:

29 July 2019	Making 3D Models with Photogrammetry	Dr. Arijit Roy, IIRS ISRO
30 July 2019	Use of Photogrammetry in 3D Modeling	Dr. Arijit Roy, IIRS ISRO

31 July 2019	Digital Photogrammetry Services Aerial Photogrammetry	Dr. Harish C. Karnatak, IIRS ISRO
01 August 2019	Heritage Recording and 3D Modeling with Photogrammetry	Dr. Harish C. Karnatak, IIRS ISRO
02 August 2019	Applications of 3D Models with Photogrammetry	Mrs. Shefali Agarwal, IIRS ISRO

Link for IIRS ISRO Lectures

https://eclassecms.iirs.gov.in/watch_lecture.php?id=NDgmMjkgSnVseSAyMDE5X0ludHJvZHVjaW5nIFBob3RvZ3JhbW1ldHJpYyBDb25jZXB0cyZEci4gUG9vbmFtIFMuIFRpd2FyaSY0R3VwOVFDdUwyOCYyMDE5LTA3LTl5

https://eclassecms.iirs.gov.in/watch_lecture.php?id=NDgmMzAgSnVseSAyMDE5X0NvbmlcHRzIG9mIFN0ZXJlb3Bob3RvZ3JhbW1ldHJ5JkRyLiAgUG9vbmFtIFMuIFRpd2FyaSZQeVMtZTZmZS1WZyYyMDE5LTA3LTMw

https://eclassecms.iirs.gov.in/watch_lecture.php?id=NDgmMzEgSnVseSAyMDE5X0RpZ2l0YWwgYW5kIFNhdGVsbGl0ZSBQaG90b2dyYW1tZXRYeSZEci4gSGluYSBQYW5kZSZwM2pyc kVIaVFGcyYyMDE5LTA3LTMx

https://eclassecms.iirs.gov.in/watch_lecture.php?id=NDgmMDEgQXVnIDIwMTlfQ2xvc2UgUmFuZ2UgUGhvdG9ncmFtbWV0cnkmIERyLiBIaW5hIFBhbmRIJmFubzY1RHNKdmtjJjIwMTktMDgtMDE=

https://eclassecms.iirs.gov.in/watch_lecture.php?id=NDgmMDIgaXVnIDIwMTlfREVNIgFuZC BpdHMgZGVyaXZhdG12ZXMsIE9ydGhvaW1hZ2UgZ2VuZXJhdGlvbiZTaHJpLiBTLiBSYW doYXZlbnRyYSZ6OFhvVjdmNkJKbyYyMDE5LTA4LTAy

Overall **Twenty Six participants** from University attended the program and got benefitted from the much needed and timely **insights on 3D Models Photogrammetry**.