

ISRO's DMSP Sponsored Capacity Building in Space Based Disaster Management Support and Risk Reduction for Maharashtra State "(Basic Course) from 20th March - 25th March 2023 at Pillai HOC College of Engineering and Technology, Rasayani

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Overall 19 participants were District Disaster Management Officers (DDMOs) from the State Disaster Management Authority (SDMA), Government of Maharashtra (GoM)., 11 participants were from Disaster Management Department (DMD), Brihanmumbai Municipal Corporation (BMC), Mumbai and 3 participants were from academic background 1 Assistant Professor, 1 Research Scholars and 1 Masters student.

During the inaugural session, Shri. Mahesh Narvekar, Director (Disaster Management), MCGM motivated and persuaded the participants to understand the need for inexpensive technical disaster management interventions. He also emphasized the collaboration of the academic institute with the industry, which may help mitigate disasters. A New Laboratory for disaster management - Space-Based Disaster Management Cell was inaugurated by Shri.Mahesh Sir on the same day at PHCET.

Lectures were conducted in various domains of SBDM such as Basics of Remote Sensing and GIS in Disaster Management for Maharashtra, Impact Assessment of Climate change of Marathwada Region, Applications of UAV (Drones) in Disaster Management, Design Thinking Approach towards Design Thinking Approach for SBDM, Mitigating damage of buildings by implementing earthquake resistant design strategies, Satellite platforms and Sensors for SBDM and data products and Disaster Management using Machine Learning

Hands-on practicals were taken on Space-Based Flood Risk Assessment using HEC-RAS software, Flood Prediction Using Machine Learning Models, Application of Bhuvan for SBDM, Mobile Application (odk and kobo toolbox) for SBDM, Satellite Making Competition, QGIS - Generating 3D model using LISS III & CartoSat Satellite Image and Open Data Kit (ODK)

Exam were conducted and on the final day offline written exam was taken.

Toppers (top 3) were awarded with trophy and certificate

Best Top 3 notes prepared by participants were awarded with trophy and certificate.

The closing ceremony was graced by Dr. J.W.Bakal, Principal, PHCET. In his closing remarks, all the participants were appreciated with participation certificates and trophies.

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Group Photograph all 33 participants at PHCET , Rasayani



Participants with kits provided along with organizing team at PHCET , Rasayani

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Interaction of participants with Dr.Karthik Nagarajan

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Lectures and Interaction at Conclave 1

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Lectures and Interaction at Disaster Management Cell

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Hands On Satellite Making Competition

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Visit to ISRO Lab and IIRS Outreach Centre at PHCET , Rasayani

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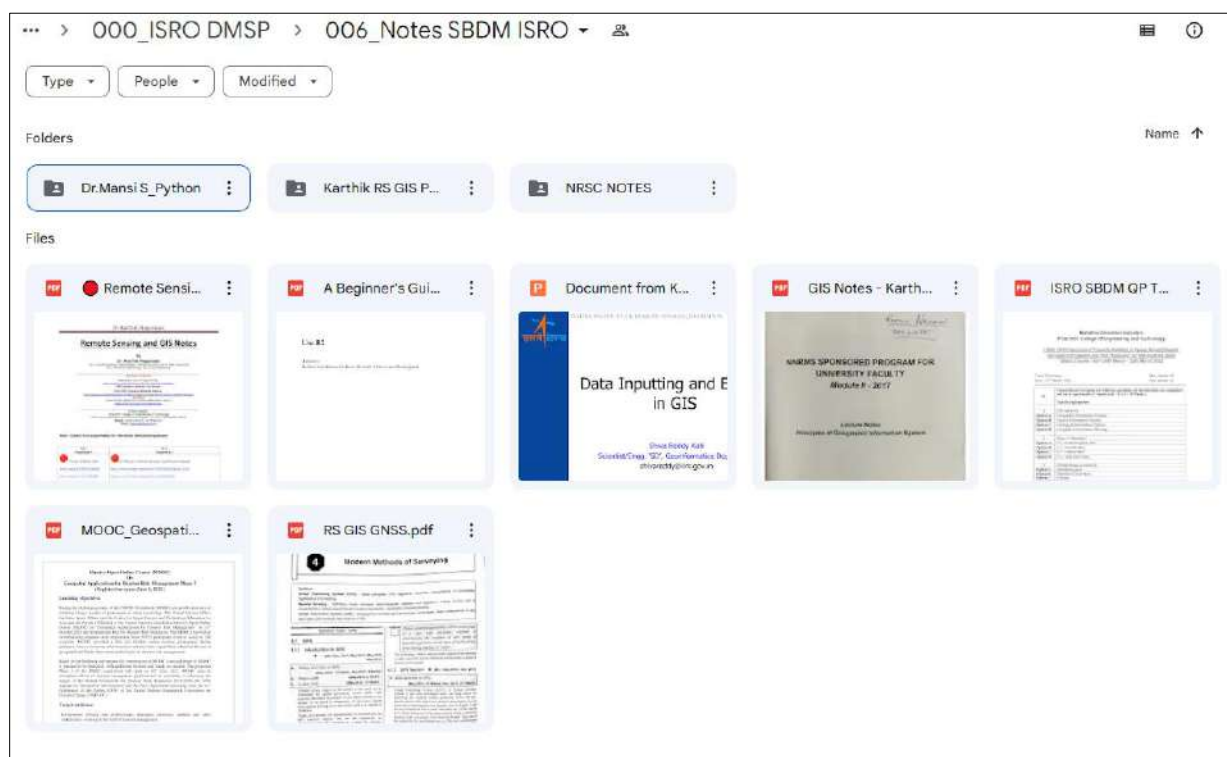
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Course Material

Link for Course Material

https://drive.google.com/drive/folders/1s8ok81IDM-IpuuuZ682X0mus6ns58q1M?usp=drive_link



Name	Owner	Last modified	File size
Dr.Mansi S_Python	me	Mar 23, 2023	—
Karthik RS GIS PPTs	me	Mar 20, 2023	—
NRSC NOTES	me	Apr 4, 2023	—
Remote Sensing and GIS Youtube Link Notes_Dr.Karthik Na...	me	10:36 PM	1,012 KB
A Beginner's Guide to R (2009, Springer-Verlag New York).pdf	me	10:34 PM	3.7 MB
Document from Karthik N.pptx	me	10:34 PM	2.8 MB
GIS Notes - Karthik Sir.pdf	me	10:39 PM	46.4 MB
ISRO SBDM QP TEST.pdf	me	9:39 PM	1.1 MB
MOOC_GeospatialDRR_Brochure_Phase2_Revised.pdf	me	Oct 3, 2022	700 KB
RS GIS GNSS.pdf	me	10:34 PM	22.9 MB