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UNIVERSITY

AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY, AUUP

in collaboration with

National Mission for Clean Ganga (NMCG), Ministry of Jal Shakti, Government of India

and

Survey of India, Department of Science and Technology, Government of India

p r e s e n t s

National Workshop

on

Innovate for River Restoration, Revival and Rejuvenation:
LiDAR Data & Solution Platform

as a Pre-Hackathon Workshop

of

“Riverathon 1.0” – A National Level Hackathon

 3rd-4th Nov, 2025

Registration is FREE



To register, scan
the QR Code

Solution Partner



esri India
THE SCIENCE OF WHERE™

ABOUT THE WORKSHOP

LiDAR (Light Detection and Ranging) is revolutionizing spatial data collection with its ability to generate high-precision 3D maps of terrain, vegetation, and structures. It plays a crucial role in:

- Monitoring river morphology, sediment flow, and floodplain dynamics
- Detecting erosion hotspots and hidden features
- Mapping riparian vegetation and ecological zones
- Designing flood control and restoration plans
- Enabling sustainable water resource management

When combined with street-level mapping and digital twin technologies, LiDAR enhances disaster preparedness, early warning systems, and data-driven river infrastructure planning.

This workshop offers hands-on insights into LiDAR technology—covering data acquisition, processing, and real-world applications in river and riparian management.

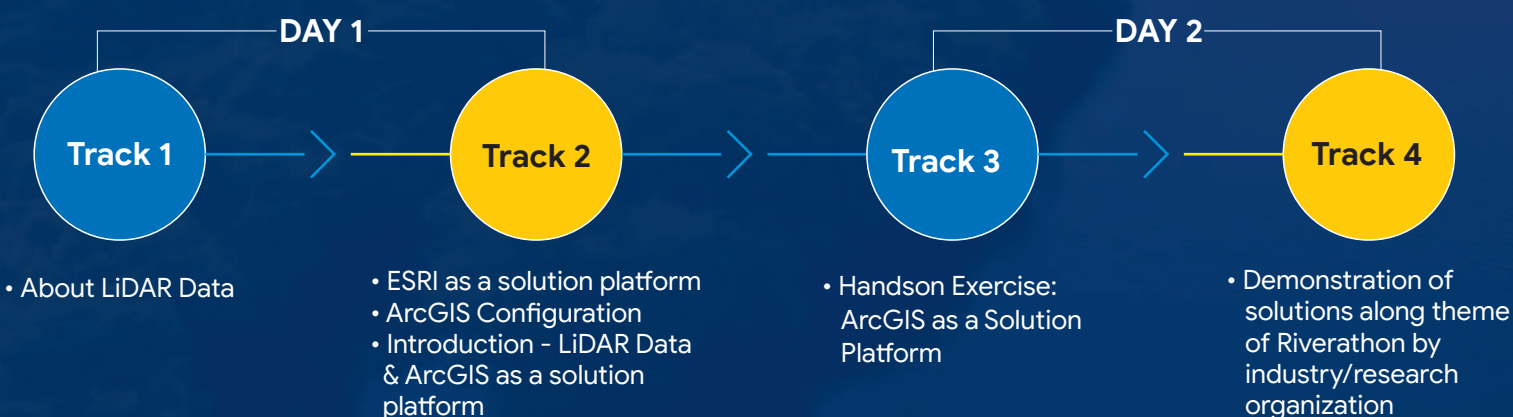
OBJECTIVES

- To introduce participants to LiDAR data acquisition, processing, and analysis for extracting meaningful insights.
- To familiarize participants with the solution platform offered by ESRI for LiDAR-based applications.
- To provide hands-on training on LiDAR data processing and analysis for case studies related to river revival, restoration, and rejuvenation.

TARGET AUDIENCE

- All registered participants of Riverathon

SESSION TRACKS



REGISTRATION LINK: <https://forms.gle/fhJen48r28jktTig6>

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