



CENTRE OF EXCELLENCE IN
**URBAN PLANNING
AND DESIGN**
IIT KHARAGPUR

2 DAY WORKSHOP ON

IMMERSIVE TECHNOLOGY

FOR

DIGITAL DOCUMENTATION

IN

URBAN PLANNING AND DESIGN



Explore cutting-edge LiDAR technologies and their applications in urban planning, documentation and design.



DATE

2nd and 3rd
June 2026



TIME

9:00 AM to
7:00 PM



LOCATION

IIT Kharagpur
Research Park



ORGANISED BY

Centre of Excellence in
Urban Planning and
Design, IIT Kharagpur

Three types of LiDAR:



1. LAND
MOUNTED
LiDAR



2. HAND
HELD
LiDAR



3. AERIAL /
DRONE BASED
LiDAR



DEMONSTRATION ON



CONVENORS

1. Dr. Gaurab Das Mahapatra (Asst. Professor)
2. Dr. Haimanti Banerji (Professor)
3. Dr. Subrata Chattopadhyay (Emeritus Professor)



CHIEF GUEST

Dr. D.B. Garnayak

Superintending Archaeologist, ASI (Kolkata Circle)



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WORKSHOP ITINERARY

IMMERSIVE TECHNOLOGY FOR DIGITAL APPLICATION & DOCUMENTATION IN URBAN PLANNING & DESIGN

DAY - 01

SL.NO	TIME	ACTIVITY	PEOPLE INVOLVED
1	8:00 AM - 9:00 AM	Breakfast	-
2	9:00 AM - 10:00 AM	Registration Session	-
3	10:00 AM - 10:30 AM	Inauguration Ceremony and Lamp Lighting	All guests
4	10:30 AM - 10:40 AM	Introductory Speech about CoE-UPD by Deputy Team Leader	Dr. Haimanti Banerji Professor
5	10:50 AM - 11:00 AM	Need and Importance of the Workshop by CoE-UPD Advisor	Dr. Subrata Chattopadhyay Emeritus Professor
6	11:00 AM - 11:10 AM	Speech by the Chief Guest	Dr. D.B. Garnayak SA, ASI (Kolkata Circle)
7	11:10 AM - 11:30 AM	Initiation of the workshop by CoE-UPD Member	Dr. Gaurab Das Mahapatra Asst. Professor
8	11:30 AM - 1:00 PM	Importance of Terrestrial LiDAR and Projects in progress under CoE-UPD	Dr. Gaurab Das Mahapatra + Payal Chakravarty
9	1:00 PM - 2:00 PM	Lunch Break	-
10	2:00 PM - 5:00 PM	Demonstration of Handheld LiDAR (Hardware + Software)	Mohammed Jameel & Team FARO Technologies
11	5:00 PM - 7:00 PM	Demonstration of LiDAR work in AR (Hardware + Software)	Bibekananda Jena & Team (Altangle, CEO)
12	7:00 PM- 8:00 PM	Dinner	-

DAY - 02

SL.NO	TIME	ACTIVITY	PEOPLE INVOLVED
1	8:00 AM - 9:00 AM	Breakfast	-
2	9:00 AM - 12:00 PM	Demonstration of Drone-based LiDAR (Hardware + Software)	Maloshree Chanda & Team Maverick Drones
3	12:00 PM-01:30 PM	Demonstration of LiDAR work in AR (Hardware + Software)	FARO Technologies
4	01:30 PM-02:00 PM	Valedictory Session	-
5	02:00 PM-03:00 PM	Lunch	-
6	03:00 PM - 04:00 PM	Networking	All Participants



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