COUNCIL OF ARCHITECTURE
TRAINING AND RESEARCH CENTRE, BHOPAL

in collaboration with

CHITKARA SCHOOL OF PLANNING & ARCHITECTURE
CHITKARA UNIVERSITY, PUNJAB

is organizing a

5 days Online National Level Workshop

on

UAV Drone for Urban Feature Delineation: An Open-Source Procedure

EXPERT
Mr. Samarjeet Salunke, IIT Bombay

Mode of Workshop: *Online*
Date: *22nd -26th May 2023*
Time: *01:00 pm – 4:00 pm*
MCQ on the Last Day from 4:30 to 5:30 PM

Limited seats only, registration on first come first basis.

CONVENOR
Dr. Navneet Munoth
Hon. Director
CoA-TRC, Bhopal

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UAV Drone for Urban Feature Delineation: An Open-Source Procedure

Workshop Preamble:

Whether you're a student or a professional with years of experience, you've probably heard some of the buzz going on around the use of UAV Drone within the various community. Perhaps you want to get on board, but don't know where to start? You can empathize with the feeling of wanting to learn, but not knowing what to look up, what words to use, or where to even begin. This workshop intent is to shed some light on the subject and serve as a springboard for future learning. In this context, the workshop will assist in understanding the fundamentals and applications of UAV drone in urban feature extraction. Participant will understand the basics of QGIS software, design and create spatial database, UAV drone data processing software, theory and application, pre and post processing of UAV drone obtained data and delineation of urban features from UAV drone data.

Workshop schedule:

The workshop is spread over five days -

Day 1 22-05-2023	Day 2 23-05-2023	Day 3 24-05-2023	Day 4 25-05-2023	Day 5 26-05-2023
Introduction and application to geospatial data & QGIS software	Basics of geo-spatial data-bases using PostgreSQL database	Design and create geospa-tial database - PgAdmin	Processing of UAV obtained data - WebODM software	Object based urban feature extraction from UAV data

Key Take-aways:

- The participants can develop better understanding on basic principle of UAV drone and its application in planning, architecture and engineering field.
- Students and professionals from any field can get an idea to handle and create geospatial data, actual database design, pre and post process of UAV obtained data.

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UAV Drone for Urban Feature Delineation: An Open-Source Procedure

Resource person:

Mr. Samarjeet Salunke, IIT Bombay

Mr. Samarjeet Salunke is pursuing his Ph.D. in Construction Management at Civil Engineering Department, IIT Bombay with specialization in BIM and GIS integration in construction industry. He has 2 years of industrial experience focused mainly in integration and design system architecture of building permit and GIS for various municipal corporation. He has sound experience in 2D and 3D city mapping using UAV and TLS technology. He finds himself self-driven in area of spatial database management, IJAV and TLS application, design system architecture, BIM-to-GIS, automation in spatial data processing, point cloud data management, WebGIS application using open-source technology.

Participants:

Academicians, Ph.D. Scholars, Architects, Planners, Policy makers from the Department of Town Planning, Development Authorities, Professionals from the field of Building construction & allied fields.

Registration fees:

For Academicians/Professionals/PG and Ph.D. students- INR 1500/- (Only 35 Seats)
For Non-Architects - INR 3000/- (Only 05 Seats)

Kindly check and confirm the seat availability first then make the payment.

COA Registration Number is mandatory for registration.

Scan for Registration

Scan for Payment

REGISTRATION LINK: *https://forms.gle/XenJPZ4JAabZtixd9*
PAYMENT LINK: https://eazypay.icicibank.com/eazypayLink?P1=sRyz9kTACSNePnR3I+VJaQ==

Note: Kindly email the scanned images of proof of payment on coatrc.bhopal@gmail.com to confirm registration and receive online link for joining the session.

MCQ on the Last Day from 4:30 to 5:30 PM

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