

05th - 09th Oct 2026

CBP_26_02

APPLICATION OF URBAN SOUND MAPPING IN URBAN PARKS PLANNING AND DESIGN

Rapid urbanization has increased noise levels in cities, impacting public health and environmental quality. Yet, noise pollution is often neglected in planning compared to air and water concerns.

This training addresses the gap by introducing practical tools such as sound level measurement, acoustic analysis, and GIS-based sound mapping. It connects theory with real-world application through field data collection and analysis.

Beyond noise control, the program emphasizes soundscape design, enhancing positive acoustic experiences in public spaces like parks, streets, and residential areas to improve urban liveability. It also strengthens understanding of policies and regulations, enabling participants to prepare sound maps, interpret guidelines, and develop effective mitigation strategies for sustainable urban development.

SESSIONS

01

Introduction to Urban Soundscapes & Noise Pollution

Activity: Sound perception exercise (indoor + campus soundwalk)

02

Tools & Techniques for Sound Mapping

Activity: Hands-on practice with instruments and pilot mapping exercise

03

Site Visit & Field Data Collection (Urban Parks)

Output: Field data sheets + geo-tagged sound readings

04

Data Analysis & Sound Mapping

Activity: Group work - preparing sound maps and analysis diagrams

05

Integration into Planning & Design

Outcome: Actionable recommendations for improving park sound environments

CALL FOR PARTICIPATION
5-DAYS | 10 SESSIONS
2 CREDITS EQUIVALENT | HANDS-ON

Venue: SPA Vijayawada Campus

REAL-WORLD, SITE-BASED LEARNING

FIELDWORK-DRIVEN APPROACH

SOUND WALK AND SENSORY ANALYSIS

MEASUREMENT-BASED DATA COLLECTION

SOFTWARE TOOLS

GIS-Based Mapping Tools



Sound Measurement Applications



Norsonic Sound Meter (Android/iOS)

Data Collection & Geo-tagging Tools



Google Maps

Data Analysing and Presentation Tools



Microsoft Excel



Microsoft PowerPoint

Coordinated by:

Dr.M.Banu Chitra
Principal Instructor

Dr.Faiz Ahmed Chundeli
Principle Co-Instructor

Patrons:

Prof. Dr. Ramesh Srikonda
Director SPAV

Prof. Dr. Ayon K Tarafdar
Head, A-CUPCB-SPAV



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REGISTRATION OPEN NOW:

https://acupcb.spav.ac.in/cbp_26_02.php
Deadline for Registration: 03-10-2026, 5 PM

