

# Urban Resilience and Adaptation for India and Mongolia

Curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solution



Program: Bachelor of Architecture Students  
Level: Semester VI



Duration :15 Weeks  
Course  
Credits: 2 ECTS

# Environmental Design and GIS (Updates Course)

*This course introduces various parameters of Environmental Design and with applications of GIS (Geographic Information System) to create Sustainable and Inclusive Design*



The main course objective is to understand the guiding principles for the successful design of urban public spaces through contextual analysis of various parameters related to climate, topography, culture, and human behavior.

## Learning Outcomes

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|---------------|--|
| Knowledge     | • Know fundamentals of GIS and work with database on GIS   |
| Comprehensive | • Identify the role and importance of climate and culture in the built environment                               |
| Application   | • Apply climatic, cultural context and sustainability principles in spatial planning and design of public spaces |
| Analysis      | • Illustrate parametric analysis and representation.   |
| Synthesis     | • Develop maps based on selected parameters in the built environment   |



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