

nec Ingenium 2025



Event	Design & Build: The Miniature Masterplan Challenge
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Main Event Date	03 July 2025
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Objectives
To encourage students from Civil and Architecture backgrounds to collaborate and showcase model-based solutions to real-world infrastructure problems.

Participation
<ul style="list-style-type: none">• Team Size 2-4• Open to all Undergraduate students

Format
<p>Participants must submit physical or 3D printed scale models of:</p> <ul style="list-style-type: none">• Urban planning concepts• Bridges or housing prototypes• Smart transit stations• Sustainable building designs <p>Models must be accompanied by a concept sheet explaining design rationale, materials used, sustainability features, and relevance to context.</p>

Model Display
Models should be displayed on main exhibition day

Judging Criteria:	
Structural Innovation	: 25%
Design Aesthetics	: 20%
Sustainability and Function	: 25%
Feasibility	: 15%
Presentation and Explanation	: 15%