

# *nec* Ingenium 2025



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| Event | TechX Innovation Fair<br>“Engineering Intelligent, Connected, and Sustainable Digital Systems” |
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| Main Event Date | 03 July 2025 |
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| Themes  |
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| <ol style="list-style-type: none"><li>1. Smart Systems and Automation</li><li>2. Projects involving IoT, home/industrial automation, sensors, robotics, or control systems.</li><li>3. AI &amp; Data-Driven Solutions</li><li>4. Projects leveraging artificial intelligence, machine learning, data analytics, or computer vision.</li><li>5. Energy-Efficient and Renewable Tech</li><li>6. Projects focused on power electronics, smart grids, solar energy systems, and low-power hardware.</li><li>7. Cyber-Physical and Embedded Systems</li><li>8. Projects that combine hardware and software—like health monitoring devices, drones, or embedded applications.</li><li>9. Software Applications for Societal Impact</li><li>10. Apps or systems for education, healthcare, environment, rural development, or accessibility.</li><li>11. Gaming Applications</li><li>12. Applications that can be used for entertainment purpose</li></ol> |

| Exhibition Format   |
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| <ul style="list-style-type: none"><li>• Booth or Model Setup Includes:<ul style="list-style-type: none"><li>• Working prototypes (hardware/software)</li><li>• Poster summarizing:<ul style="list-style-type: none"><li>• Problem statement</li><li>• System architecture</li><li>• Technologies used</li><li>• Impact</li></ul></li><li>• Short demo video (optional but encouraged for software or simulation-based projects)</li><li>• Pitch + Display:<ul style="list-style-type: none"><li>• Each team delivers a 3–5 minute verbal pitch about their project goals, implementation, and outcomes.</li></ul></li><li>• Followed by Q&amp;A from the jury and audience interaction.</li></ul></li></ul> |

| Judging Panel Composition   |
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| <ul style="list-style-type: none"><li>• Expert from AI/Data Science or Software Engineering (academia or industry)</li><li>• Expert in Embedded Systems/IoT or Robotics</li><li>• Electrical/Power Systems Engineer (preferably with sustainability focus)</li><li>• Neutral judge (e.g., from college management, alumni, or interdisciplinary domain)</li></ul> |

| Team Members  |
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| <ul style="list-style-type: none"><li>• The participants must be the undergraduate student .</li><li>• The team must register online for participation.</li><li>• Team size: 2-4 members.</li></ul> |

| Timeline   |   |              |
|------------|---|--------------|
| Submission | : | 29 June 2025 |
| Revisions  | : | 30 June 2025 |
| Approval   | : | 01 July 2025 |
| Event Date | : | 03 July 2025 |