

INNOVATEX 4.0 – Event Proposal

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AI in Action – A Rapid Build Event

Official Rule Book (Compressed Version)

1. Event Overview

Cluster: Technology

Type: Hackathon (Software-Based)

Mode: Offline

Duration: 8 Hours

Team Size: Maximum 5 Members

Expected Teams: 40 (35 External + 5 Internal)

AI in Action is a rapid-build AI hackathon where teams transform real-world datasets into functional AI products within a time-bound environment.

2. Objective / Aim

- Real-world problem identification
- Dataset analysis and model building
- Product-oriented AI development
- Innovation and responsible AI usage

Participants build practical, deployable AI prototypes aligned with industry expectations.

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🌀 3. Design & Technical Specifications

Participant Requirements

- Personal laptop (mandatory)
- Pre-installed tools (Python, Jupyter, VS Code, etc.)
- AI/ML libraries (NumPy, Pandas, Scikit-learn, TensorFlow/PyTorch – optional)
- Internet access (research-only usage)

Infrastructure Support

- High-speed Wi-Fi
- Central projector and audio system
- Power supply support
- Seating for all registered teams

Development Structure

- Curated real-world datasets provided
- One dataset per subgroup
- On-site development only
- Duration: 8 Hours

Expected Output

- Working AI model
- Demonstrable prototype (UI / Notebook / Workflow)
- Short documentation (logic, assumptions, limitations)

Evaluation Focus

- Problem clarity
- Data handling
- Model reasoning
- Product usability
- Presentation clarity

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✂ 4. Event Structure / Rounds

Round	Description	Duration
Round 1: Problem Framing & Dataset Understanding	Dataset is released to each subgroup. Teams analyze the dataset, perform exploratory data analysis, and define a unique problem statement and use case. Mentors validate feasibility and clarity before approval to proceed.	2 Hours
Round 2: Model Development & Prototyping	Teams clean the data, perform preprocessing, select suitable AI/ML techniques, and develop their models. Emphasis is on reasoning, logic, and feasibility rather than only accuracy. A basic working prototype or interface must be prepared.	4 Hours
Round 3: Product Finalization & Documentation	Teams freeze their code, prepare a short handover document explaining model logic, assumptions, limitations, and execution steps. Demo setup and presentation slides (if any) are finalized.	1 Hour.
Final Evaluation: Demo & Judging	Each team presents their AI product to the jury, demonstrates functionality, and answers questions. Evaluation is based on innovation, relevance, technical clarity, product readiness, and presentation. Winners are announced.	1 Hour.

5. Submission Guidelines

- Complete project repository (code + README + dependencies)
- Concise project report (Maximum 5 pages)
- Live demo during evaluation

All work must be developed during the event duration.

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6. Judging Criteria (100 Marks)

Problem Relevance – 15 Marks

Data Handling – 15 Marks

Model & Technical Logic – 20 Marks

Innovation – 15 Marks

Product Usability – 15 Marks

Presentation – 10 Marks

Documentation – 10 Marks

7. Penalties & Disqualification

- Late submission – Marks deduction
 - Incomplete submission – Marks deduction
 - Pre-built code or plagiarism – Disqualification
 - External development – Penalty
 - Misconduct – Immediate disqualification
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8. Awards & Recognition

1st Prize – ₹15,000

2nd Prize – ₹10,000

3rd Prize – ₹5,000

Participation Certificates for all valid teams

Jury Appreciation Certificates

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9. Event Team

Faculty Coordinator: Divyashree D – SOIS

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Student Event Head: Vimal Raj S – BCA, SOIS

91 96201 92249

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Technical Mentors and Coordinators as assigned

10. General Instructions

- Follow university and MakerSpace policies
- Respect judges and peers
- Plagiarism leads to disqualification
- Judges' decisions are final and binding