



NeuroNexus Hackathon

Rulebook



Introduction

NeuroNexus: AI Meets IoT is a national hackathon designed to inspire university students, recent graduates, junior developers, AI enthusiasts, and early-stage innovators to create impactful AI-powered IoT solutions. This dynamic competition fosters creativity and collaboration, empowering participants to develop innovative Minimum Viable Products (MVPs) with real-world potential. Through expert mentorship and hands-on development, teams will compete in two tracks Healthcare and Environmental Solutions—advancing the United Nations Sustainable Development Goals (SDG 3: Good Health and Well-being) and (SDG 13: Climate Action), driving a smarter, healthier, and more sustainable future.

Eligibility

Open to undergraduate & postgraduate students.

Teams of 3 to 5 members.

Participants must register before the official deadline.



IoT & AI for Healthcare

This track empowers participants to design and build innovative solutions that integrate IoT devices with AI capabilities to transform healthcare services.

Example solution areas include:

- Remote patient monitoring
- Early diagnosis
- Predictive analytics
- Smart hospital systems
- Personalized healthcare
- Emergency response
- Telemedicine
- Smart surgical tools
- Inventory management
- Rehabilitation support

Note: These are just examples; the topic is open for more innovative solutions.



IoT & AI for Environmental Solutions

This track challenges participants to develop IoT- and AI-driven innovations that address urgent environmental issues.

Example solution areas include:

- Air quality monitoring
- Water quality monitoring
- Smart energy management
- Climate change tracking
- Waste management
- Resource conservation
- Smart irrigation systems
- Wildlife and biodiversity monitoring
- Disaster prediction and early warning systems

Note: These are just examples; the topic is open for more innovative solutions.

Event Structure

The competition is divided into three main phases:-

1- Registration & Idea Submission

- Each team must submit a written idea proposal (maximum 750 words) explaining the concept, its novelty, feasibility, and how it fits within one of the hackathon tracks they choose.
- Projects will be evaluated based on the following:

Criteria	Weight & Description
Originality	25%: Novelty of the idea and how it stands out from existing solutions.
Feasibility	25%: Practicality of implementation within the hackathon's timeline and resource constraints (e.g., hardware, skills).
Track Alignment	50%: Relevance to the chosen track and how well the idea addresses track-specific challenges.

Event Structure

2-MVP Development

- Each team must submit a detailed MVP proposal
- During this phase, all selected teams will participate in technical bootcamp including training sessions, mentorship, and checkpoints to support MVP development and track progress.
- Projects will be evaluated based on the following:

Criteria	Weight & Description
Functionality	35%: Does the MVP work as intended? Are core features operational?
Innovation	20%: Creativity and uniqueness of the solution compared to existing technologies.
Project Impact	10%: How well the MVP addresses the specific challenges of the chosen track.
Team Ability to implement the project	10%: Usability, accessibility, and clarity of the MVP's interface or interaction flow.
Business Value	25%: How well the MVP could translate to a real-world business application.

Event Structure

3-Final Evaluation

- A functional prototype with a demo video
- A comprehensive proposal detailing the concept, implementation, business impact, and future vision
- All Final Listed Teams are required to attend the final offline days:
- Days 1 & 2: General skills workshops, technical support, and rehearsals
- Day 3: Final presentations to the judges, followed by the winners' announcement
- Final Judging Criteria:

Criteria	Weight & Description
MVP Maturity	25%: Completeness, reliability, and polish of the final MVP.
Scalability	15%: Potential for the solution to be scaled or adapted for broader use (e.g., commercial, societal).
Presentation Quality & Clarity	20%: Clear explanation of the problem, solution, and MVP functionality.
Project Impact	20%: Effectiveness of the MVP in solving the key problems and meeting the goals of the selected track.
Business Potential	20% Projected Potential to be incubated as a startup.

Awards & Prizes (Total 60K EGP)

For each track, there will be two winning teams:

1st place - 20K EGP

2nd place - 10K EGP

Each winning team will receive both cash prizes and exclusive access to specialized learning and professional opportunities, provided by our partners and sponsors.





Register Now!

Deadline: 1 Sep 2025

<https://forms.gle/cfsVchcZdsxEgUdN8>

Contacts & Support

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