



Robotics Association of Nepal [RAN]

Yantra International Robotics Competition 2026: Creating Robotics Industry of Nepal by 2045

YANTRA BUSINESS CUP SOFTBOTS AI HACKATHON

Introduction

Robotics and Artificial Intelligence (AI) is rapidly transforming the world around us, and Nepal is no exception. AI holds the power to revolutionize core sectors of the Nepali economy—including agriculture, healthcare, education, industry and tourism- by embedding intelligent systems that learn, adapt, and assist.

In the midst of a transformative era where technology is merging with every sector, we are navigating the intersection of intelligent systems, sustainability, and the future of work. In this context, the **YANTRA BUSINESS CUP** emerges as a pivotal initiative, embodying the digital synergy between humans and AI agents to shape innovative, autonomous solutions- aligning with our commitment to advancing the next era of work practices.

The **Yantra Business Cup 2026**, a key feature of the Yantra International Robotics Competition, stands as a beacon for innovation, sustainability, and entrepreneurial action. This prestigious event offers a launchpad for innovators, entrepreneurs, and visionaries to showcase revolutionary ideas, working prototypes, and functional tools focused on AI agents and the applications in Nepal and beyond. This brings together technologists, creators, and business leaders from across the globe to contribute to the vision of establishing Nepal as a thriving hub of AI and robotics excellence, with an ambitious goal of cultivating a robust AI-driven robotics industry in Nepal by 2030.

As the flagship event of the **Yantra X**, the Yantra Business Cup empowers AI developers, robot engineers, digital architects, innovators, dreamers, and startup founders to launch ventures rooted in Robotics and AI. Looking ahead, the **Robotics Association of Nepal[RAN]** envisions a thriving Robotics and AI industry in Nepal by 2030 and an intelligent robotics industry by 2045—one that addresses both local and global challenges, strengthens sustainable growth, combats climate change, and supports good governance.

Yantra Business Cup – SOFTBOTS

Softbots, a software-as-a-robot competition, challenges contestants to create intelligent AI systems—virtual robots that think, act, and assist just like humans in the digital realm. As the





metaverse and virtual landscapes evolve, these AI-powered systems will become essential collaborators, making human work more intelligent, responsive, and efficient. introduces an exhilarating challenge for tech enthusiasts, students, researchers, and professionals to build, test, and present their innovations in a high-impact AI Hackathon.

This year's focus is on creating **AI Systems** that simulate human reasoning, decision-making, and interaction in the virtual space. Held as part of the **Yantra X** International Robotics Competition, the two-day hackathon encourages participants to develop transformative AI solutions for Nepal and beyond.

The final stage of this hackathon will unfold at the **Yantra Closing**, where teams will pitch their intelligent agents to a panel of leading AI business experts. More than a competition, this platform nurtures innovation, builds lasting connections, and strengthens the AI and robotics community in Nepal. **Yantra Business Cup – SOFTBOTS** welcomes all to be part of this immersive hackathon experience and play a role in shaping the future of AI in Nepal—where smart AI systems and human intelligence go hand-in-hand to unlock extraordinary potential.

Event Overview (Theme: Local Government Problems)

Duration: *Two full days of immersive collaboration, ideation, and development, focused on bringing functional AI systems to life.*

Preparation Time: *Participants will have to make their AI solutions prior to the hackathon to prepare, explore, and refine their solutions concepts with the support of domain mentors.*

Pitch Opportunity: *The hackathon culminates at the Yantra Closing, where participants will pitch their working AI Systems before a panel of leading experts, entrepreneurs, and industry influencers.*

Key Highlights:

Open for All: *SOFTBOTS AI Hackathon is open to **all AI enthusiasts**—whether you're a student, a solo thinker, a part of a startup team, or working within a company. All registered participants of the **Yantra Business Cup – SOFTBOTS** are welcome to join the hackathon as a team.*

AI Systems Innovation: *This year's hackathon centers around developing **AI Systems**—intelligent systems that can perceive, reason, act, and collaborate with humans in real-time, solving real problems with real impact.*

Tangible Solutions: *The goal is not just to build for the sake of building, but to craft digital solutions that are immediately applicable to the Government Sector.*



Connections That Matter: *This is more than a hackathon—it's a collaborative space where participants connect with like-minded peers, experienced mentors, and industry leaders who can open doors to future possibilities*

Registration Details:

- Normal Registration Charge =Rs 2000 | 17 July - 26 August
- Late Bird Registration Charge = Rs 3000 | 27 August - September 7

Prizes & Rewards

The top-performing teams at the Yantra Business Cup – SOFTBOTS AI Hackathon will be recognized with attractive cash prizes and awards. Winners will receive **[50000]** for 1st place, **[30000]** for 2nd place, along with certificates, mentorship opportunities, and visibility within Nepal's growing AI and robotics ecosystem.

How to Participate

Phase 1: Registration:

For Registration:

Please go through the link: <https://forms.gle/xpoMA1DfM6JyM4Ga6>

Phase 2: Participation in 2-days Hackathon:

Dive into two action-packed days of focused development, collaborative learning, and expert-led mentorship. This is where your AI agent will begin to take real shape—refined with feedback, shaped by teamwork, and powered by purpose.

Hackathon Date: 7 and 8 July, 2026 (Ashar 23 and Ashar 24, 2083)

Phase 3: Showcasing Your Project at IRC:

*Bring your creation to the pitching stage. You'll have the opportunity to **showcase your AI agent during the Yantra International Robotics Competition**, where you'll engage with fellow tech enthusiasts, innovators, and potential collaborators for valuable insights.*

Contact Details:

For any questions, feel free to contact us at :

 **Contact:** Safola Bhattarai [9860451008], Amrita Pudasaini [9749466188]

Email: yantraxirc@gmail.com