

Robotics Association of Nepal[RAN]

Talchikhel
Lalitpur, Nepal

Yantra International Robotics Competition 2023: Creating Robotics Industry of Nepal by 2030

Yantra Business Cup 2023: Fostering Climate Robotics Innovation

Introduction:

The Yantra Business Cup 2023, a cornerstone of the Yantra International Robotics Competition, stands at the forefront of innovation, sustainability, and entrepreneurial spirit. This prestigious event provides a platform for innovators, entrepreneurs, and visionaries to showcase their groundbreaking ideas, working prototypes, and fully functional robots, focusing on climate robotics and its environmental implications in Nepal and beyond. This prestigious competition gathers innovators, tech enthusiasts, and business leaders from across the globe to showcase their cutting-edge solutions and contribute to Nepal's vision of becoming a hub for robotics excellence, focusing on the theme of creating a vibrant robotics industry in Nepal by 2030.

Event Overview:

The Yantra Business Cup comprises two integral parts: the Yantra Expo - **Climate Robotics Exhibition** and the **SoftRobots Competition**. In the Exhibition, tech enthusiasts from across Nepal will display their innovations in climate robotics, emphasizing solutions to environmental challenges and sustainable practices in different sectors like Agriculture, Tourism . In the SoftRobots Competition, participants will demonstrate software solutions that autonomously perform tasks based on received data, showcasing the fusion of software intelligence and environmental consciousness.

Event Structure:

The competition consists of nine distinct categories, each highlighting different facets of robotics technology. One of the pivotal components of this competition is the Yantra Business Cup, comprising two integral parts:

Yantra Expo (Climate Robotics):

Participants from all corners of Nepal will present their innovations, prototypes, and products related to climate robotics specially in different sectors like Agriculture, Forests, Water resources, Human health, Energy and Tourism. They can be Drones, IoT devices, Robots and other hardware technologies falling under climate robotics.

Predefined judges, experts in the field, will assess every innovation, working prototype, and product to determine the winners.

The expo will serve as a platform for tech enthusiasts to showcase their contributions to environmental sustainability and climate-related challenges which can also help to shape the prototypes and innovations in a full phased product that surely will be the way of young Entrepreneurs to lead the industry with their innovations.

- *Theme:* Climate Robotics
- *Registration Details:* Registration Charge
 - Early Bird =Rs 3000
 - Normal =Rs 5000
 - Late =Rs 7000
- *Submission:* Working prototypes, hardware innovations with great ideas addressing environmental challenges are welcomed.
- *Evaluation:* Predefined judges will assess innovations based on their environmental impact, sustainability, and practicality in combating climate-related issues.
- *Prizes:* Two winners will receive prestigious awards and prizes pool worth of 75,000, and entry into an exclusive incubation program, fostering the development of their innovations into sustainable businesses with a focus on climate-conscious solutions.

Softbots Competition:

In this competition, software solutions as a virtual robot will autonomously perform actions based on received information.

Participants, including innovative startups, will pitch their prototype/products to a distinguished panel of judges and the audience, comprising the robotics and business community in Nepal. Teams will participate in a two day hackathon before the event to work on their prototype.

Winners of the SoftRobots competition will be selected based on the innovation, functionality, and practicality of their software robots.

- *Theme:* Anything that acts as a virtual human.
- Registration Details:
 - Registration Charge =Rs 2500
- Submission: Submit for the competition with your idea for the event and get selected for the hackathon as a team or as an individual.
- *Hackathon:* Selected teams/individuals will be invited to join in two hackathons where they will form a team, work on their prototype, get mentorship and fine tuned with their business ideas.
- Pitching Competition: Participants will pitch their business idea at the end of the Yantra, including startups, to prominent business leaders as judges and the robotics and business community of Nepal.
- *Prizes:* With a prize pool of worth of Rs 40,000 cash prize and other exciting prizes for the winner and Rs. 20,000 cash prizes and other exciting prizes for the runner up with jaw-dropping opportunities, networking events and many more. Our winners and participants are guaranteed to take once in a lifetime experiences, and a start of a new business journey.

Who can come to “Yantra Business Cup” as a participant?

1. Age group: Anyone can apply in Yantra Business Cup
2. Team or individuals. The team should have a maximum of 5 participants only.
3. Any student, Engineer, Enthusiast, or Futurist can participate in Yantra Business Cup to bring their working prototypes, business ideas or finished products.

Yantra Business Cup: A Catalyst for Innovation:

The Yantra Business Cup within the Yantra International Robotics Competition plays a crucial role in promoting entrepreneurship, innovation, and collaboration in Nepal's robotics industry. By providing a platform for innovators to showcase their climate-focused solutions and autonomous software robots, the event drives the country closer to its goal of establishing a robust robotics ecosystem by 2030.

The Yantra International Robotics Competition 2023 serves as a catalyst for the future of robotics technology in Nepal. By fostering creativity, collaboration, and entrepreneurship, the event accelerates the nation's progress towards becoming a global leader in the field. Join us in this exciting journey, shaping Nepal's future one innovation at a time.

