

INDIA'S FIRST AI & ROBOTICS BOOT CAMP IN FINLAND, ESTONIA

FINLAND, ESTONIA

An aerial photograph of a European city, likely Tallinn, Estonia, showing a dense cluster of buildings with red-tiled roofs. In the background, a blue body of water is visible under a clear sky. The image is partially obscured by a large blue diagonal shape on the right and a red diagonal shape on the bottom left.

BOOTCAMP SCHEDULE

	Morning	Afternoon	Early Evening	Late evening
Day-1 15th June	Arrival in Helsinki	<ul style="list-style-type: none"> • Introduction to the camp • Program rules introduction 	University tour (TBA)	First Entertainment-learning activity
Day-2 16th June	<ul style="list-style-type: none"> • Learning Session 1 Coding basics and AI basics • Learning Session 2 Coding 	Self learning session (Coding competition)	Competition outcomes presentation	Evening Program Old Town tour
Day-3 17th June	Arrival in Tallinn	Learning Session 1 Data Management & AI	Company visit, Clevon, Robotics factory	Evening Program (practical Data science activity)
Day-4 18th June	Travel to Tartu University (link)	<ul style="list-style-type: none"> • Learning Session 1, Machine Learning • Learning Session 2, Artificial Intelligence 	Travel to and visiting Ahhaa Science Museum	Tartu University Observatory visit Evening program.
Day-5 19th June	Main Guest: CTF Tech	<ul style="list-style-type: none"> • Learning Session 1 Cyber Security 101 • Learning Session 2 Ethical Hacking 101 	<ul style="list-style-type: none"> • Capture the Flag Cyber Security Competition • Awarding winners of CTF competition 	Visit to NATO HQ
Day-6 20th June	UNESCO heritage walk Tallinn	Company visit in Tallinn Starship	Robot building session at Company	Robot presentations
Day-7 21st June	Capstone Project Presentation	Rewards and Recognition	Exploring Tallinn	Exploring Tallinn

EXPERIENTIAL LEARNING

INDUSTRIAL VISITS

Discover why Estonia is hailed as the European Epicentre of Entrepreneurship, boasting more startups per person than Silicon Valley. Explore innovative unicorn companies such as Starship Technologies, pioneers in developing autonomous delivery vehicles, and Clevon, known for creating and manufacturing energy-saving, environmentally friendly autonomous robot carriers. These companies are leading the charge towards a climate-neutral economy, showcasing Estonia's commitment to technological innovation and sustainable solutions.

EXPERIENTIAL VISITS

Estonia hailed as the European Epicentre of Entrepreneurship, and Estonia has more startups per person than Silicon Valley. Visit unicorn companies like Starship Technologies - an Estonian company developing autonomous delivery vehicles and Clevon - a company that develops and manufacture autonomous robot carriers that save energy, are environmentally friendly and contribute towards a climate-neutral economy.

ADVANCED INFRASTRUCTURE

TalTech University is sole technological university, and the most international university in Estonia. They were one of the pioneering universities to introduce courses in the field of Cybersecurity, Robotics, and AI. Their state-of-the-art infrastructure will allow children to explore these spaces like never before -

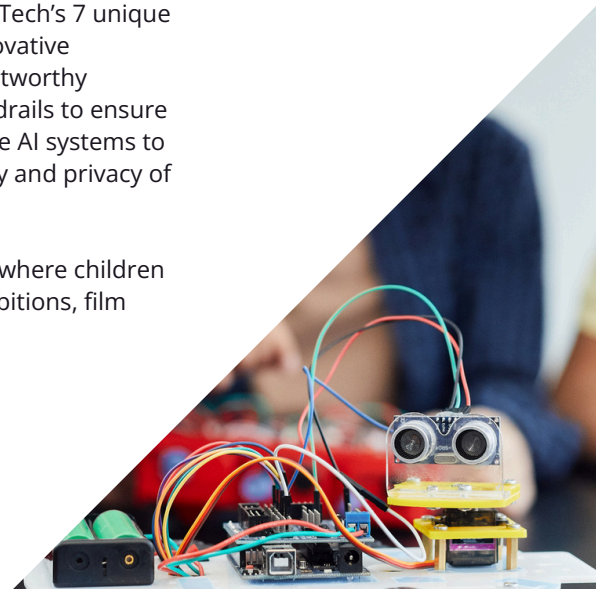
TalTech's XR Center - TalTech's XR Center has state-of-the-art computer equipment, cutting-edge headsets and possibilities to work with projects like modelling in virtual reality environments, creating virtual spaces, introduction to XR technologies, etc

TalTech Space Center - A centre that builds structural architecture for satellites, researches space-grade materials, and ensures their subsystems are safe and intact in space.

TalTech Laboratory Equipment - Gain access to over 1500 laboratory services, including 3D printers, 3D scanners, Business Incubators and more

The Estonian Center of Excellence in Artificial Intelligence - Explore TalTech's 7 unique centres of excellence, including an AI-focussed one. It aims to advance innovative methodologies to leverage foundation models in building efficient and trustworthy analysis and prediction systems; implement control mechanisms and guardrails to ensure that the advanced AI systems follow their specifications; adapt and enhance AI systems to improve for improved performance of applications; and ensure the security and privacy of AI systems.

International spaces - The University has country-wise dedicated spaces, where children can access books, databases, DVDs, eLibrary, public lectures, courses, exhibitions, film screenings, concerts, and contests about each country.



EXPERIENTIAL LEARNING

ENGAGING WORKSHOPS

Our bootcamp seamlessly integrates learning with hands-on application by offering engaging activities. Through these activities, participants collaborate in teams with peers from diverse backgrounds, including countries like Turkey and China, fostering healthy competition and facilitating the exchange of ideas across cultures for a truly enriching learning experience. Key activities include -

- Coding Competition
- Capture the Flag cybersecurity competition
- Build and present your own robot, and carry this robot back with you to India

EXPLORE TALLIN

Tallinn, Estonia's capital, seamlessly blends medieval charm with modern innovation, offering visitors a captivating mix of well-preserved historic sites, vibrant cultural experiences, and a thriving creative scene. Here are 5 key places participants can explore during their time there -

1. **Explore the Old Town:** Wander through the cobblestone streets of Tallinn's well-preserved medieval Old Town, a UNESCO World Heritage Site, and marvel at the historic architecture, including the iconic Tallinn Town Hall and Alexander Nevsky Cathedral.
2. **Discover Kadriorg Palace:** Explore Kadriorg Palace and its surrounding park, built by Peter the Great, which houses the Kadriorg Art Museum featuring impressive collections of art and decorative objects.
3. **Experience the Seaplane Harbour:** Visit the Estonian Maritime Museum at the Seaplane Harbour, where you can see historic ships, submarines, and interactive exhibits showcasing Estonia's maritime history.
4. **Visit Tallinn TV Tower:** Take in breathtaking views of Tallinn and the surrounding area from the Tallinn TV Tower's observation deck, and learn about Estonia's telecommunications history at the tower's interactive exhibits.
5. **Experience Telliskivi Creative City:** Immerse yourself in Tallinn's vibrant creative scene at Telliskivi Creative City, a hub for artists, designers, and entrepreneurs, offering art galleries, studios, shops, cafes, and cultural events.

INTERNSHIP

Our internship program seamlessly integrates classroom knowledge with hands-on application, fostering hard skills such as innovation, problem-solving, teamwork, creativity, and more. This not only provides a platform for career exploration and skill development but also encourages students to embrace new challenges and continuously learn.

Participants in our internship program have the opportunity to acquire essential hard skills that are instrumental in preparing them for the complexities of the professional world, enhancing their ability to tackle real-world challenges and contribute effectively to projects.

Throughout the program, interns work alongside experienced professionals to gain insights into industry-specific tools, methodologies, and best practices. They apply their technical knowledge and learn new skills through hands-on projects, simulations, and collaborative activities, further strengthening their readiness for a competitive environment.

Upon completion, participants receive a certification for their involvement in the program, empowering them with a deep understanding of industry-relevant hard skills and setting them on a path to success in their careers. Their profiles will be enriched with international experience and certification from the renowned TalTech University. They also carry the robot they have built with them back to India.

BOOTCAMP FAQs

1. Which hotel will the children be staying at?

The Kreuzwald. [Click here to check out the hotel.](#)

2. How many meals per day will each child receive?

Each child will receive 3 meals per day.

3. Is there a guarantee that the food provided will be vegetarian?

Yes, the food will be vegetarian.

4. Will there be Jain food options?

Yes, there will be Jain food options.

5. What is the faculty to student ratio?

6:1, for every 6 children there will be one faculty member. This assures personalised attention and teaching.

6. Who will be with the children throughout?

We have arranged for chaperones, there will be one chaperone for every 5 children. There will also be 1 trainer from the camp, and our operations head.

7. Who will take care of their passport/money?

The chaperones will help the children with their valuable items.

8. Instead of June can students go in July (14-21) ?

Yes, they can.



BOOTCAMP FAQs

9. Will anyone be at Mumbai airport to accompany the group when they leave for Estonia?

Yes

10. What date and time should we consider when booking a travel ticket?

13th early flight

11. Is someone arranged to pick up our child from Tallinn airport?

Yes

12. Who is the main point of contact during the camp days if we need to get in touch?

Robotex India's Operation head Ms. Manisha sawant

13. Is there emergency medical care available during the trip?

Yes

14. What date and time should we book for the return trip?

22nd

15. Is there a designated chaperone who will accompany the kids from India to Estonia and back?

No

