

International Olympiad in Artificial Intelligence (IOAI) National Selection Process for Türkiye

The **International Olympiad in Artificial Intelligence (IOAI) National Selection Process for Türkiye** is a structured, multi-stage pathway designed to identify and prepare the country's most talented high-school students in AI and programming. The process combines a broad nationwide examination with in-depth training camps that progressively build students' analytical, mathematical, and coding abilities. This comprehensive approach ensures that students who advance through each stage are not only strong problem solvers but also capable of applying AI and machine learning principles effectively.

The journey begins with a **Nationwide Screening Exam**, a 50-question multiple-choice test assessing analytic thinking, mathematics, problem solving, and programming fundamentals. The top 50-60 scorers earn a place in the **Summer Camp**, a two-week intensive program that blends theoretical instruction in the mornings with practical programming labs in the afternoons. Those who excel in this camp move on to **Stage 2**, a rigorous IOI-style programming contest held over two days, featuring six algorithmic problems judged under official IOI rules. Roughly 25 of the best performers from this round are invited to the **Winter Camp**, where they deepen their understanding of advanced algorithms, data structures, and AI-related programming.

Students who choose to specialize further continue into the **AI Track Camp**, a focused one-week training program following the official IOAI syllabus. Here, participants engage in both theoretical and hands-on AI/ML problem-solving sessions, preparing them for international competition. The **final national team** representing Türkiye at the IOAI is then determined based on cumulative performance across the IOAI-style contest, AI camp results, and overall engagement throughout the training process. Figure 1 summarizes the overview of the national team selection process.

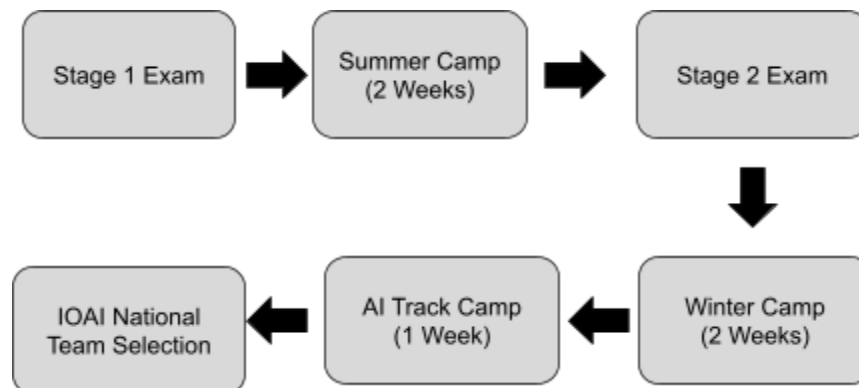


Figure1. The overview of the IOAI team selection process.