



**ALL INDIA COUNCIL FOR  
TECHNICAL SKILL DEVELOPMENT**  
अखिल भारतीय तांत्रिक कौशल्य विकास परिषद

# **Aryabhatta National Maths Competition - 2024**

Great Technology Scientist of Future INDIA – 2024 Search Program



**Prize Money -  
Upto Rs.3  
Lakhs**



**National  
Certificate - For  
Every  
Participant**



**National  
Trophy**



**National Medal**

**Please Note** - All participants will receive a participation certificate, even if not selected in the final. These certificates are highly regarded in India and are awarded by AICTSD at the national level. The certificate holds substantial value and has the potential to significantly boost your academic and professional career.

## Syllabus - Class 11

### Problem on Trains

- Train Speed Calculations
- Train & Platform Measurements
- Train Arrival & Departure calculations

### Ratio And Proportion

- Introduction
- Ratio
- Proportion
- Unitary Method

### Problems on Profit And Loss

- Finding Selling Price
- Finding Cost Price
- Profit And Loss

### Time & Work

- Problem on time & work calculation

- Finding Number Of Days From One Date To Another
- Railway And Air Timings
- Time Intervals

## Problem on Speed & Distance

- Calculate Speed & Velocity
- Calculate Speed & Distance Proportion

## Problem on AGES

- AGE Calculations
- Problems on conditional AGE calculations
- Present & Past AGE calculations