



**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  
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**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. This certificate is 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 7

### Fractions

- Fraction On the Number Line
- Comparison of Fractions
- Equivalent Fractions
- Fraction of Collection of Objects
- Addition of The Fraction with The Same Denominator
- Addition of Fractions On the Number Line

### Algebra & Simple Equation

- Introduction
- Matchstick Patterns
- The Idea Of A Variable
- More Matchstick Patterns
- More Examples Of Variables
- Use Of Variables In Common Rules

### Comparing Quantities

- Introduction
- Equivalent Ratios
- Percentage Another Way Of Comparing Quantities

- Use Of Percentages
- Prices Related To An Item Or Buying And Selling
- Charge Given On Borrowed Money Or Simple Interest

## Rational Numbers

- Introduction
- Need For Rational Numbers
- What Are Rational Numbers?
- Positive And Negative Rational Numbers
- Rational Numbers On A Number Line
- Rational Numbers In Standard Form

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## India's Biggest Maths Competition by IIT Bombay Alumni

Through this competition, we are searching for the " **Great Technology Scientist of Future INDIA – 2024** " from the student community.

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