



# ALL INDIA COUNCIL FOR TECHNICAL SKILL DEVELOPMENT

अखिल भारतीय तांत्रिक कौशल्य विकास परिषद

## Ramanujan National Maths Challenge

A National Maths Scholar Search Program 2024 - 25



**Prize Money -  
Upto Rs.2 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 7

## Algebraic Expression

- Introduction
- How Are Expressions Formed?
- Terms Of An Expression
- Like And Unlike Terms
- Monomials, Binomials, Trinomials And Polynomials
- Addition And Subtraction Of Algebraic Expressions
- Finding The Value Of An Expression
- Using Algebraic Expressions Formulas And Rules

## Perimeter And Area

- Introduction
- Squares And Rectangles
- Area Of A Parallelogram
- Area Of A Triangle
- Circles
- Conversion Of Units
- Applications

## Ratio And Proportion

- Introduction
- Ratio

- Proportion
- Unitary Method

## Comparing Quantities

- Introduction
- Equivalent Ratios
- Percentage Another Way Of Comparing Quantities
- Use Of Percentages
- Prices Related To An Item Or Buying And Selling

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## India's Biggest Maths Challenge

Through this competition, we are searching for the " **National Maths Scholar – 2025** " from the student community.

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