

# MATIKS Tournament

## Mathematical Reasoning & Speed Competition

Ingenium 3.0 — IIT Indore

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### Competition Overview

The **MATIKS Tournament** is a fast-paced mathematics competition designed to promote logical reasoning, numerical intuition, and real-time problem-solving.

Unlike conventional mathematics contests that rely on lengthy calculations and rigid methods, this competition emphasizes speed, intuition, and adaptability. The format aims to make mathematics engaging, accessible, and relevant to modern analytical thinking.

### Problem Statement

Many existing mathematics competitions focus heavily on traditional pen-and-paper problem-solving, which can limit engagement and accessibility.

There is a need for an interactive competition that:

- Encourages quick thinking and adaptability
- Emphasizes logical reasoning and intuition
- Uses digital platforms in a competitive offline environment

The MATIKS Tournament addresses this gap through a dynamic, elimination-based format that promotes real-time reasoning and engagement.

### Competition Format

The MATIKS Tournament is a knockout-style mathematics competition conducted via the MATIKS online portal in an offline setting.

### Core Features

- Individual participation
- Multiple elimination rounds
- Increasing difficulty level across successive rounds
- Time-bound problem-solving

## Unique Highlights

- Portal-based competition conducted offline
- Strong emphasis on speed and intuition
- Visually engaging and non-routine problem types

## Objectives

- Promote intuitive and analytical mathematical thinking
- Encourage competitive learning in an engaging environment
- Increase student engagement with mathematics during Ingenium 3.0
- Provide exposure to real-time problem-solving scenarios

## Competition Structure

### Phase-wise Breakdown

- **Phase 1: Registration** Individual participant registration
- **Phase 2: Preliminary Rounds** Rapid-fire questions testing speed and accuracy
- **Phase 3: Final Round** Advanced logical and visual puzzles to determine winners

## Evaluation Criteria

Participants will be evaluated based on:

- Accuracy of solutions
- Speed of response
- Logical reasoning ability
- Consistency across rounds

Rules are subject to change at the discretion of the organisers.  
Further instructions will be communicated to registered participants.