ISI - CMI Program - Level 9

Cheenta Academy for Olympiad & Research

cheenta.com

Since 2010

Passion for Mathematical Science & Research

Program for ISI-CMI Entrances

Success Stories Since 2010

ISI & CMI Entrance Awardees in 2024

- Ahan Chakraborty
- Mohak Chugh
- Krish Agrawal
- Piyush Kumar Jha
- Agastya Agarwal
- Vrajishnu Chakraborty

Click to Watch Success Meet Up

ISI & CMI Entrance Awardees in 2023

- Soumabha Roy
- Aadrita Paul
- Arkopriyo Hore
- Aditya Chakroborty
- Abhinandan Saha
- Adeesh Devasthale
- Aadrita Paul
- Darsh Jain
- Venkatkrishnan
- Anant Keur
- Dibyajoyti Prushti
- Aritrabha Majumder

Click to Watch Success Meet Up

Stay Inspired… Read the journey of Shravani Parulekar (CMI 2022)
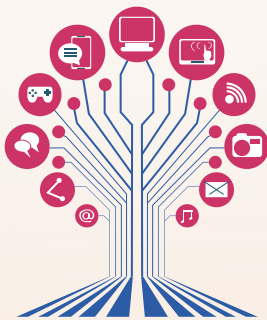

Click to Read

What is Included in the Program?

5 Live Interactive Classes... Every Week

- Concept Class
- Problem Solving Workshop 1
- Problem Solving Workshop 2
- Problem Solving Workshop 3
- Problem Solving Workshop 4

Software Access

Problem Bank

ISI & CMI Entrance Problem Bank

Problems, Solutions and Hints from Test of Mathematics at 10+2 Level, past paper of ISI BStat and BMath Entrance, CMI Entrance

Test of Mathematics at 10+2 Level   ISI & CMI Entrance

Study Material

ISI & CMI Entrance

50+ Lessons from Number Theory, Geometry, Algebra, Combinatorics and Calculus based on ISI and CMI Entrances. New Lessons are added every week. Each lesson includes practice problems and progress tracking.

Practice

ISI BStat-BMath Entrance, CMI Entrance

Practice additional problems with hints and solutions based on the topics from ISI & CMI Entrances

Test Packages

ISI BStat - BMath Entrance - Three Full Length Objective Tests

3 Full Length Objective Tests on ISI BStat - BMath entrance. The BStat and BMath Entrance of ISI Entrance is 'different' from IIT JEE or other engineering entrances.

Curriculum

Module 1

Number Theory IC - θ

5 Lessons

📌 Divisibility II - Day 1

📌 Divisibility II - Day 2

📌 Congruence II - Day 1

📌 Theorems of Fermat, Euler, Wilson and Lagrange - Day 1

📌 Chinese Reminder theorem

Module 2

Combinatorics IC - θ   **5 Lessons**

Basic Counting Principles (Distribution of object)

Counting using Binomial /multinomial theorem

Introduction to PIE princile

Pigeon hole principle

Reccurance Relation

Module 3

Geometry IC - θ   **5 Lessons**

Some Basic Theorem

Circle

Concurrency and Collinearity - Day 1

Concurrency and Collinearity - Day 2

Properties of Triangle

Module 4

Algebra IC - θ

6 Lessons

📌 Polynomials - Day 1

📌 Polynomials - Day 2

📌 Polynomials - Day 3

📌 Inequality Day 1

📌 Inequality Day 2

📌 Inequality Day 3

Module 5

Number Theory IC - δ

4 Lessons

- Greatest Integer Function
- Arithmetic Functions
- Pythegorean Triples
- Representation of a Positive Integer

Module 6

Combinatorics IC - δ

2 Lessons

- Recurrance Relation
- Advance PIE Priciple

Module 7

 Curve Sketching

5 Lessons

Basics of curve sketching

Triginometrics curves

Graphical Transformations

Drawing General Curves

Review of curve sketching

Module 8

📌 Coutability

📌 Sequence and series

📌 Limit

📌 Continuity

📌 Differentiabilty

📌 Riemann Integration

Taught by Olympians

and Researchers from leading universities

Since 2010 Cheenta has evolved into a Gurukul. Our students are in leading universities in India such as Indian Statistical Institute, Chennai Mathematical Institute, TIFR, IITs and universities abroad such as Harvard, MIT, Oxford, Edinburgh to name a few. Some of them returned as teachers for the next generation of learners. And the pursuit of excellence continues.

Cheenta Team has 40+ members. Here are some of the leaders.

Srijit Mukherjee
BStat and MStat from Indian Statistical Institute (India)
Director at Cheenta

Dr. Ashani Dasgupta
PhD from University of Wisconsin-Milwaukee (USA)
Founder - Director at Cheenta

Shayeef Murshid
B.Math and M.Math from ISI
INMO Merit List
Doctoral Scholar at Indian Statistical Institute

Raghunath J.V.
B.Tech and M.Tech from IIT Chennai.
Math Olympiad Coach at Cheenta.
INMO and IMO Trainer.

Aritra Dey
Chennai Mathematical Institute
(Ranked in top 10 - all India)

Cheenta Academy for Olympiad & Research

Outstanding Mathematical Scinece Programs. Since 2010.

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