



# Cheenta Advanced Physics Program

Intermediate



**cheenta.com**

since 2010

**Passion for Mathematical Science**

This program is useful for NSEP, InPhO, Physics Olympiads, KVPY and IIT JEE styled entrances

# Success Stories since 2010



## Aryan Kalia

Top 1% globally in American Math Competition,

Attended Math Olympiad Program and School Research Program at cheenta

Attended Student internship program at cheenta

**Going to Harvard University in 2022**



## Sambuddha Majumdar

Scotland Math Olympiad Awardee

Attended Math Olympiad Program at cheenta

Attended Student internship program at cheenta

**University of Edinburgh**



## Anushka Aggarwal

Youngest Indian National Math Olympiad awardee, European Girls Math Olympiad awardee

Attended Math Olympiad Program at cheenta

Attended Student internship program at cheenta

**Going to MIT (Massachusetts Institute of Technology) in 2022**



## Akshaj Kadaveru

American Math Competition, AIME and USAJMO awardee

Attended Math Olympiad Program at cheenta

**MIT (Massachusetts Institute of Technology)**

# Curriculum driven by problem solving



**48 weeks program, 12 modules**



**Motion in a Straight Line  
and Plane I**

4 weeks



**Motion in a Straight  
Line and Plane II**

4 weeks



**Laws of Motion I**

4 weeks



**Laws of Motion II**

4 weeks



**Work, Energy and Power**

4 weeks



**Rotational Motion I**

4 weeks



**Rotational motion II**

4 weeks



**Gravitation**

4 weeks



**Mechanical  
Properties of solids**

4 weeks



**Mechanical Properties  
of liquids**

4 weeks



**Thermal Properties of  
Matter**

4 weeks



**Thermodynamics**

4 weeks

# Curriculum continues



## Kinetic Theory of Gases

4 weeks



## Simple Harmonic Motion

4 weeks



## Waves

4 weeks



## Optics

4 weeks



## Electrostatics

4 weeks



## Current Electricity

4 weeks



## Electromagnetism

4 weeks



## Alternating Current I

4 weeks



## Alternating Current II

4 weeks



## Semiconductors I

4 weeks



## Semiconductors II

4 weeks



## Modern Physics

4 weeks

# Taught by Olympians and Researchers from leading universities

Since 2010 Cheenta has evolved into a Gurukul. Our students have attended 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



**Dr. Sankhadip Chakraborty**  
PhD from IMPA, BSc. Math  
from Chennai Mathematical  
Institute (India),  
Director at Cheenta



**Dr. Anirban Majumdar**  
PhD from ENS Paris-Saclay,  
France on Theoretical  
Computer Science, B.Sc.-  
M.Sc. from Chennai  
Mathematical Institute



**Dr. Uma Garg**  
PhD in Physics from University of  
Wisconsin-Milwaukee (USA)  
Dean of Physics Department at  
Cheenta



**AR Sricharan**  
BSc. Math, M.Sc. Computer  
Science from Chennai  
Mathematical Institute (India).  
Pursuing PhD in University of  
Vienna

# Contest Calendar for beautiful problem solving

Cheenta students think of Physics contests as **milestones**. The end goal of the program is to fall in love with physics and develop great problem solving skills. Milestones help us to stay in track.

Not all physics contests are equal. Here is a list of contests that are suitable and most effective at this level of learning.

Our success centre will keep you updated about registration deadlines of these contests and other opportunities

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**National Standard  
Examination in Physics  
(NSEP)**



**Kishore Vaigyanik  
Protsahan Yojana  
(KVPY)**



**Indian National  
Physics Olympiad  
(InPhO)**



**Engineering  
entrances like IIT JEE**



# Thank You

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## Passion for Mathematical Science

Let us know if you need more information.



### Email

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