

# Winter of Olympiad & Research - Purulia Camp

A 7-day residential camp hosted by our partner school in Purulia district.



**Dates:** Enter venue by 22nd December 2025, 1 PM IST. Exit venue by 28th December, 2025

It consists of three integrated parts:

- Olympiad Workshop
- Research Training
- Community Engagement



**Cost:** Rs. 12000 +GST (includes stay, food, mentoring sessions). Travel to Cheenta Office is not included.



**Location:** Filix School of Education, Anara, Purulia, West Bengal

## Mentors



### Dr. Ashani Dasgupta

PhD in Mathematics from University of Wisconsin-Milwaukee.

Published research in London Mathematical Society's Journal of Topology.



### Raghunath J V

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



### Shayeef Murshid

B.Math & M.Math, Indian Statistical Institute

INMO Merit List  
Doctoral Scholar at Indian Statistical Institute



### Sanu Shaw

B.Sc. in Mathematics Honours from the University of Calcutta  
Ranker at ISI Entrance Exam (2023)  
- All India Rank of 15.

# Olympiad, Research, Leadership

## Three Fold Path

### Olympiad Workshop

This is a 2-hour *per day* workshop (for 5 days) on Olympiad Geometry and Combinatorics.

Every day, the first hour of the workshop is an interactive lecture.

The second hour of the workshop is a problem solving tutorial where students solve problems based on the lecture with the aid of hints from faculty members.

### Research Training

This is a 90-minute per day (for 5 days) training module on school level research.

The students (in small groups) will be working on a specific research question in a methodical manner.

The various steps include :

- Associated Literature reading
- Data collection and analysis
- Solution
- Paper writing

Presentation of final report

The research questions are designed by our team. The process is assisted by the faculty members..

### Community Outreach

This is a 2-hour activity (for 2 days). Students will be visiting about 3 satellite centres of activity of our collaborating organization.

They will get involved in:

- Volunteering in Community Activities
- Collection of Data that may aid the research question

Students will be staying in the school campus. Some parents will stay in nearby hotels (within 50 km radius)

## Venue: Purulia, West Bengal

Filix School



### About Filix School (Venue of the Winter Camp)

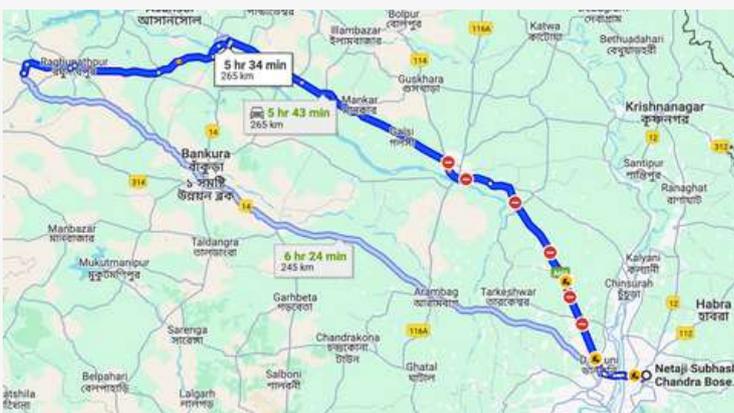
Filix School of Education, (An Educational Project of Nanritam) was set up by NANRITAM, a non-profit social welfare organization started in 2002 by a few like-minded professionals who have been working in this remote rural area since 2004, starting with a small eye care unit which had grown into a 100 bedded super-speciality eye Hospital in 2012.

### How to Reach the Filix School (Venue) from Kolkata

Take a train from Kolkata (Howrah or Santragachi rail station) to Anara Junction.

*Tentatively* one of our team will be leaving for Anara Junction via Chakradharpur Express that leaves from Howrah Station (near Kolkata) at **1 PM on 22nd December, 2025.**

The school is close to this junction. The final leg of the travel will be by car arranged by the school.





Cheenta Academy  
for Olympiad & Research



FILIX SCHOOL OF  
**EDUCATION**  
SINCERE SEARCH FOR TRUTH

## Winter Camp: 22nd December

Day 1

### **1 PM**

Reach Cheenta Office at 22 Lake Place, Kolkata 700029. One cohort will leave from here for Howrah Station.

### **4:50 PM IST - Train leaves from Howrah Station**

Travel directly to train station **or** from Cheenta Office. Snacks on train.

### **9:50 PM**

Reach Anara Station (Purulia). Car pick up. About 10 minutes drive to school campus.

### **10:30 PM (assuming some delays in train)**

Reach School. Settle down in rooms. Call Parents.

### **11 PM**

Late Dinner. Off to bed.



## Activity Day: 23rd December

### Day 2

**7 AM**

Meet at the school ground. Light exercise and meditation.

**7:30 AM**

Breakfast.

**8 AM - 2 PM**

**Community Outreach for Research 1**

**2:15 PM**

Lunch

**3 PM - 5 PM**

**Olympiad Workshop**

- Junior: Combinatorics;
- Senior: Number Theory;

**5 PM - 5:30 PM**

Break

**5:30 PM - 6:30 PM**

**Research Analysis Session 1 - Descriptive Statistics**

- Data Cleaning, upload it in spreadsheet
- Central tendency, dispersion, regression analysis

**6:30 PM**

Evening Snacks

**7 - 8 :30 PM**

**Group activity session**

Storytelling Workshop

**9 PM**

Dinner, evening walk. To bed by 10 PM.

## Activity Day: 24th December

Day 3

**7 AM**

Meet at the school ground. Light exercise and meditation.

**7:30 AM**

Breakfast.

**8 AM - 2 PM**

**Local Travel**

**2:15 PM**

Lunch

**3 PM - 5 PM**

**Olympiad Workshop**

- Junior: Combinatorics;
- Senior: Number Theory;

**5 PM - 5:30 PM**

Break

**5:30 PM - 6:30 PM**

Research Analysis Session 2 - Descriptive Statistics

- Data Cleaning, upload it in spreadsheet
- Central tendency, dispersion, regression analysis

**6:30 PM**

Evening Snacks

**7 - 8 :30 PM**

Group activity session

**9 PM**

Dinner, evening walk. To bed by 10 PM.



## Activity Day: 25th December

Day 4

**7 AM**

Meet at the school ground. Light exercise and meditation.

**7:30 AM**

Breakfast.

**8 AM - 2 PM**

**Community Outreach for Research 2**

**2:15 PM**

Lunch

**3 PM - 5 PM**

**Olympiad Workshop**

- Junior: Combinatorics;
- Senior: Number Theory;

**5 PM - 5:30 PM**

Break

**5:30 PM - 6:30 PM**

Research Analysis Session 3 - Descriptive Statistics

**6:30 PM**

Evening Snacks

**7 - 8 :30 PM**

Group activity session

**9 PM**

Dinner, evening walk. To bed by 10 PM.



## Activity Day: 26th December

### Day 5

#### 7 AM

Meet at the school ground. Light exercise and meditation.

#### 7:30 AM

Breakfast.

#### 8 AM - 2 PM

Group Project

#### 2:15 PM

Lunch

#### 3 PM - 5 PM

##### Olympiad Workshop

- Junior: Combinatorics;
- Senior: Number Theory;

#### 5 PM - 5:30 PM

Break

#### 5:30 PM - 6:30 PM

Research Analysis Session 4 - Descriptive Statistics

#### 6:30 PM

Evening Snacks

#### 7 - 8 :30 PM

Group activity session

#### 9 PM

Dinner, evening walk. To bed by 10 PM.



## Activity Day: 27th December

Day 6

**7 AM**

Meet at the school ground. Light exercise and meditation.

**7:30 AM**

Breakfast.

**8 AM - 2 PM**

**Research Ideation and Analysis**

**2:15 PM**

Lunch

**3 PM - 5 PM**

**Olympiad Contest**

**5 PM - 5:30 PM**

Break

**5:30 PM - 6:30 PM**

Research Analysis Session 5 - Presentation Creation

**6:30 PM**

Evening Snacks

**7 - 8 :30 PM**

Group activity session - Presentation Delivery, Certification, Contest Performance Announcement.

**9 PM**

Dinner, evening walk. To bed by 10 PM.



## Winter Camp: 28th December

### Day 7

#### 5 AM

Assemble for travel to Kolkata.

#### 5:15 AM

Leave for train station from venue.

#### 5:55 AM

Train starts from Anara toward Howrah.

#### 11:30 AM

Reach Howrah Station.

#### 1 PM

Reach Cheenta Office. Lunch. Exit.

## Camp Essentials

- AADHAR card (with one copy Xerox)
- Thermal / Warmer Innerwear Set
- Thermos flask
- Emergency Medicines & Band-aids
- Torch
- Candle with Matchstick
- Five Sets of Dress
- Two Bedsheets
- Laptop, Mobile and other electronic devices are strictly not allowed.