

## AN IIT PALAKKAD INITIATIVE

Bringing high school students and professional mathematicians together



IIT PALAKKAD

# PALAKKAD MATH CIRCLE

## About IIT Palakkad

Indian Institutes of Technology (IITs) are autonomous public institutions of national importance for higher education in engineering, science and technology. Established in 2015, IIT Palakkad embraces a vision to be a leader in cross-disciplinary inquiries, and to contribute to the potential that India's demographic dividend represents for the country and the world, which is embodied in the motto of the institute "Nurturing minds for a better world". IIT Palakkad currently operates from two campuses: the temporary campus, Ahalia, on the verdant and scenic rented premises of the Ahalia Group of Institutions, Kozhippara, and a transit campus, Nila, nestled in a corner of the permanent campus fast coming up at Kanjikode.

18 Sep 2022, 10am-5pm

## Workshop & Selection

For Class 8 and Class 9 students

## Agenda & Highlights

- 10am-12.30pm: Workshop
- 12.30-2pm: Lunch (will be provided)
- 2pm onwards: Selection test based on the topics discussed in the workshop. Students may answer the test in English, Malayalam or Tamil.
- An informal interaction session with high school teachers is also planned post lunch.



Location: Nila Campus, IIT Palakkad



Contact: [mathcircle@iitpkd.ac.in](mailto:mathcircle@iitpkd.ac.in)



To register, please visit  
<https://iitpkd.ac.in/palakkad-math-circle>



Registration  
Opens: 22.08.2022 Closes: 10.09.2022



Limited Seats: applications accepted on first-come-first-serve basis

## Features

**Engaging.** The fundamental goal of the math circle session is to engage youngsters through creative means such as a game, an activity, or an enticing problem.

**No set syllabus.** The objective is not to cover material but to select topics that have potential to make an engaging session.

**Teacher involvement.** School teachers are encouraged to participate in the sessions for a wider outreach beyond the selected students.

**Interactive.** A math circle gathering resembles a kindergarten classroom more than a college lecture.

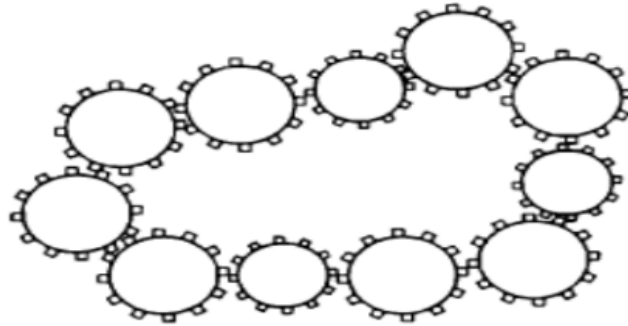
**Voluntary.** Participation is voluntary but commitment is expected.



**Accelerated learning.** Sessions led by professional mathematicians who present the content at a deep level. This helps accelerate the students' learning beyond their grade and also ensures that some of the occasional profound questions raised by the students get the attention they demand.

## What is a Math Circle?

Thirty to forty high school students meet with a mentor for a couple of hours in an informal setting on weekends to work on interesting problems or topics in mathematics



## Purpose

- To cultivate awareness and appreciation of the beauty and power of mathematical ideas towards understanding the world.
- To dispel anxiety and fear of mathematics among school students

## How does it work?

- IIT Palakkad selects a small group of 8th and 9th standard students from schools in Palakkad and Chittur educational subdistricts at the beginning of an academic year.
- Selected group meets on the second Saturday and the fourth Sunday of every month for a half-day session till the students complete their 10th standard.
- Each session focuses on a particular math topic and the students learn from and interact (in English/Malayalam/Tamil) with mentors who are passionate about that topic.
- Sessions held either at a school in Palakkad town or in IIT Palakkad Kanjikode campus. If held at the IIT campus, transportation from and to Palakkad town will be arranged.
- No fee or attendance or examinations. Wherever possible, study material will be provided.