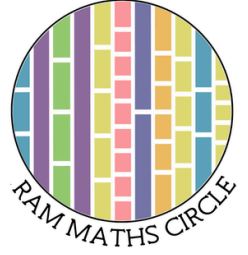


2024-25

Maths Circle Dombivli Report

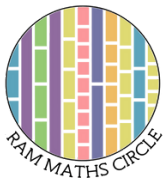


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About Maths Circles

Maths Circles originated in Russia and have since expanded globally, attracting students eager to explore mathematics beyond the standard curriculum. These circles involve weekly sessions where mathematicians and educators engage students in solving non-routine mathematical problems.

Raising A Mathematician Foundation is one of the few institutions who have started Maths Circle in India.

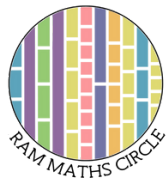


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About Maths Circle @ RAM

RAM Maths Circle Dombivli (MCD) helps to cultivate a deep interest in mathematical problem-solving among students who are from marginalised sections. The uniqueness of MCD is that the sessions are conducted in Marathi and aims promote critical thinking, discussion, and collaboration. It is the first known Maths Circle in India that caters to non-English medium students.

A total of 74 students were the benefactors in 2024-25 and over 200 students have been part of MCD over the last three years.

Grade	Boys	Girls
Grade 6	13	19
Grade 7	23	19

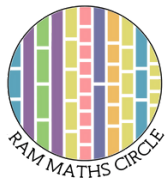


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Summary

Thanks to the sponsorship of Rotary Club of Dombivli, Suncity, RAM Maths Circle at Swami Vivekanand School has been a free program for the students since 2022.

Selection of the students

Students were selected across the 11 different schools in Dombivli through a selection test that focused on students' strong interest and ability in mathematics. The top 74 students were selected for the program in 2024-25.

Classroom structure

In MCD sessions, students are divided into smaller groups to enable collaboration and peer group discussion. Students work together on a set of problems every week. There is healthy competition amongst the groups but also collaboration within the group.

Faculties

The sessions are led by experienced faculties who introduce non-routine problem solving to students. Their pedagogy involves guided discovery and emphasis on constructivist approaches. They do not give away the answers to the students but urge students to wrestle with the problems mentally.

Teaching Assistants

The teaching assistants are passionate Mathematics postgraduates with a flair for teaching. They walk around every group and see how to guide students towards solving the problems.

Topics

The curriculum included variety of challenging math topics such as Number Theory, Sequences & Series, Word Problems, Geometry, Logic & Arithmetic, Combinatorics, Selected problems from JMO (Junior Mathematical Olympiad)

Assignments

Students were given assignments to work during the week on which they would work on and submit their answers the coming week.

Appreciation

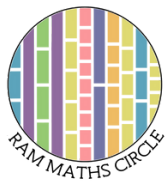
Often books were given as rewards to students who would take extra effort to solve challenging problems during the week. At the end of the course, a certificate of participation and successful completion of the Maths Circle program for 2022-23 was awarded to the students.

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Meet Our Team



SHRIPRASAD TAMBE
MENTOR & FACULTY

IIT Bombay (MSc Mathematics). Mentor and faculty for Olympiad aspirants, undergraduate & postgraduate students in Mathematics



KEDAR PENKAR
FACULTY

25+ years in mathematics education currently working with an Foundation on education. Kedar been a faculty for Mathematical Olympiads since over 15 years.



VINAY NAIR
FACULTY & CO-FOUNDER OF RAM

Co-founder of Raising A Mathematician Foundation and Vichar Vatika, Director of Epsilon India and mentor for students who are profoundly gifted in Mathematics.



KAUSTUBH LIMAYE
TEACHING ASSISTANT

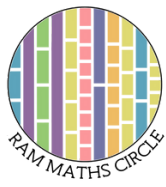
MSc Mathematics. PhD aspirant. Loves teaching, writing and cycling.

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Meet Our Team



SUNDARM SHARMA
TEACHING ASSISTANT

Pursuing MSc Mathematics from University of Mumbai, MTTS Attendee, Freelance Content Writer.



MRUNMAYI WALANJ
TEACHING ASSISTANT

Pursuing MSc Mathematics from University of Mumbai.



RICHELLE ANCHAN
TEACHING ASSISTANT

M.Sc, B.Ed . Mathematics facilitator at SVB international school Dombivli for 5 years. MYP (grades 6-10) section coordinator.



RUTUJA JOSHI
TEACHING ASSISTANT

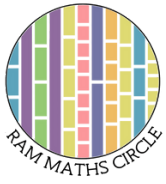
A master's degree in mathematics and work as a private tutor, guiding students through challenging concepts.

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Sponsors

Rotary Club of Dombivli, Suncity



- Rotary Club of Dombivli Suncity has been sponsoring the entire cost of running the Maths Circle at Swami Vivekanand Vidyamandir since three years.

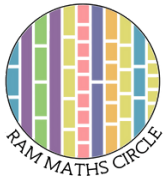
Supporters

Swami Vivekanand Vidyamandir



Swami Vivekanand
Vidyamandir, Dombivli

- Swami Vivekanand Vidyamandir provided the premises in their school free of cost for running the Maths Circle for past three years.



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