



MARATHWADA MITRA MANDAL'S
COLLEGE OF COMMERCE

Affiliated to Savitribai Phule Pune University, Re-Accredited by NAAC with "A" Grade
ISO 9001:2015 Certified, Awarded as Best College by Savitribai Phule Pune University
202/A, Deccan Gymkhana, Pune – 411004

principal@mmcc.edu.in, enquiry@mmcc.edu.in, www.mmcc.edu.in

Department of Computer Science

Report on Origami Competition

on the occasion of

National Mathematics Day 2024

Introduction:

On Tuesday, 24th December 2024, the Department of Computer Science celebrated National Mathematics Day 2024 with an engaging and insightful Origami Competition, dedicated to honoring the mathematical brilliance of Srinivasa Ramanujan. The event brought together students and faculty alike to explore the intersection of mathematics and art through the fascinating craft of Origami—the Japanese art of paper folding that promotes spatial visualization.

The Significance of Origami and Mathematics:

Origami, while an art form, is deeply rooted in Mathematics, particularly in geometry and spatial reasoning. It involves concepts like shapes, symmetry, and proportions, which are key to mathematical thinking. The competition aimed to demonstrate how paper folding can turn complex mathematical ideas into visual forms. Origami models often rely on mathematical algorithms and theorems to achieve precision. Participants were encouraged to explore the beauty of mathematics by applying their understanding of geometry and topology in their creations.

Objectives:

The Origami Competition aimed to:

- 1) Commemorate Srinivasa Ramanujan's legacy and celebrate National Mathematics Day.
- 2) Exhibit the relationship between art and mathematics through origami.
- 3) Enhance understanding of geometrical concepts like symmetry, angles, and proportions.
- 4) Foster mathematical creativity by inspiring participants to create innovative origami models.
- 5) Provide a platform for student talent and creativity in integrating Mathematics with art.



Inauguration of the Origami Competition Exhibition

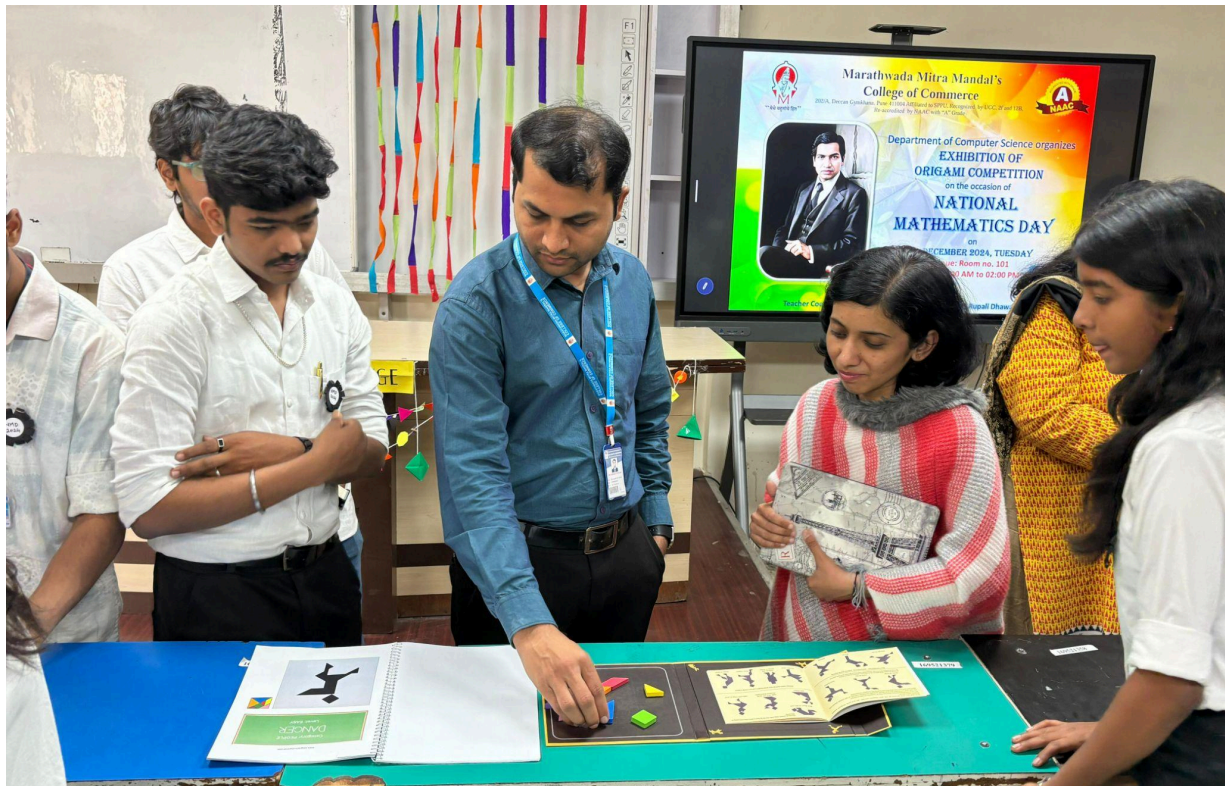
Insights of the event:

The inauguration of the exhibition was done by Prof. Snehal Borkar, Marathwada Mitra Mandal's College of Commerce, Deccan Gymkhana, who also evaluated the competition. Prof. Borkar expressed her admiration for the innovative spirit of the participants, emphasizing that origami is a perfect blend of right-brain creativity and left-brain logic, embodying the essence of critical thinking. Prof. Snehal Borkar was mesmerized with the artistry by the participants and discussed that the evaluation for the competition was truly challenging. Around seventy nine students participated in the competition. The Inauguration ceremony also included enlightenment through a short clip "How NASA Engineers Use Origami To Design Future Spacecraft" Prof. Nidhi Satavlekar, HOD of the Computer Science Department appreciated the efforts of the organizers and the student volunteers in incorporating creativity with Mathematics. The Origami Competition was organized by Prof. Rushika Kinjawadekar and Prof. Rupali Dhawale, with active support from the student volunteers. The event encouraged students from various disciplines to participate, with each contestant asked to create an origami model that represented or utilized mathematical concepts such as symmetry, geometric shapes, or fractals. Staff members also enthusiastically participated in the Tangram Challenge. Prof. Nidhi Satavlekar, the Head of the Computer Science Department, commended the efforts of the organizing team and the students for making the event a success. She expressed her pride in seeing how Mathematics and creativity could be merged to enhance learning and foster a deeper appreciation for mathematical concepts. She also reiterated the department's commitment to organizing more such events that encourage students to think critically and creatively.



Glimpses of the event





Tangram Challenge

Winners and Acknowledgments:

The competition was highly competitive, with participants exhibiting exceptional skills in both the artistic and mathematical aspects of origami. All participants were awarded participation certificates, acknowledging their effort in integrating mathematics with creativity.

The winners of the Origami Competition were as follows:

1st Rank: Apeksha Marne (S.Y.B.Sc. Computer Science)

2nd Rank: Ajay Kandhare (T.Y.B.Sc. Computer Science)

3rd Rank: Madhav Baikar (F.Y.B.Sc. Computer Science)

1st Consolation: Tanvi Dagale (F.Y.B.Sc. Computer Science)

2nd Consolation: Niveditha Choudhary (F.Y.B.Sc. Computer Science)

3rd Consolation: Aryan Dhole (F.Y.B.Sc. Computer Science)



Origami Models by Participants

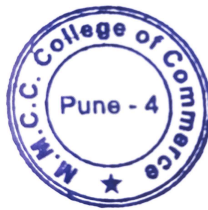
Outcomes :

- 1) The event successfully paid tribute to Srinivasa Ramanujan's extraordinary contributions to Mathematics through creativity and critical thinking for the origami competition.
- 2) The competition showcased the seamless connection between mathematics and model making i.e. confluence of science and art.
- 3) Through their origami creations, participants enhanced their understanding of key geometric concepts using eco-friendly resources.
- 4) The competition sparked a wave of creativity among the participants and encouraged to think outside the box
- 5) The event successfully provided a platform for students to showcase their talents.

In conclusion, the Origami Competition on National Mathematics Day-2024 not only celebrated the genius of Srinivasa Ramanujan but also exemplified how mathematical thinking can be applied to art. It was a day of inspiration, learning, and celebration of both Mathematics and creativity, leaving participants with a deeper appreciation for the beautiful connection between the two fields.



Prof. Nidhi Satavlekar
HOD, CS Department



Dr. Ganesh Patore
Principal(I/C)