

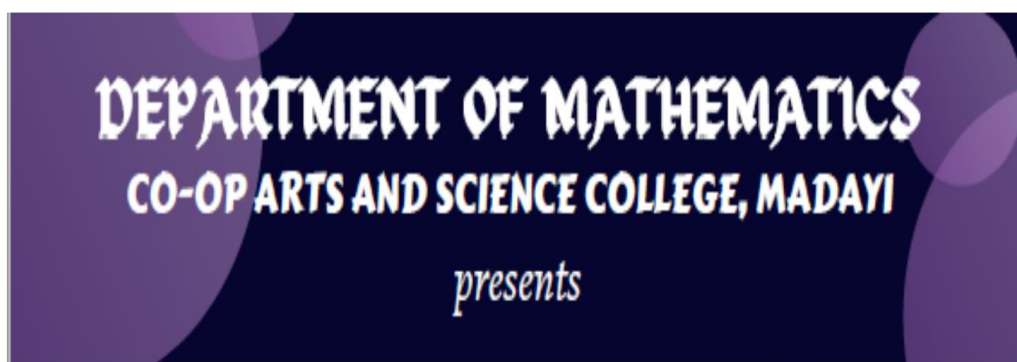
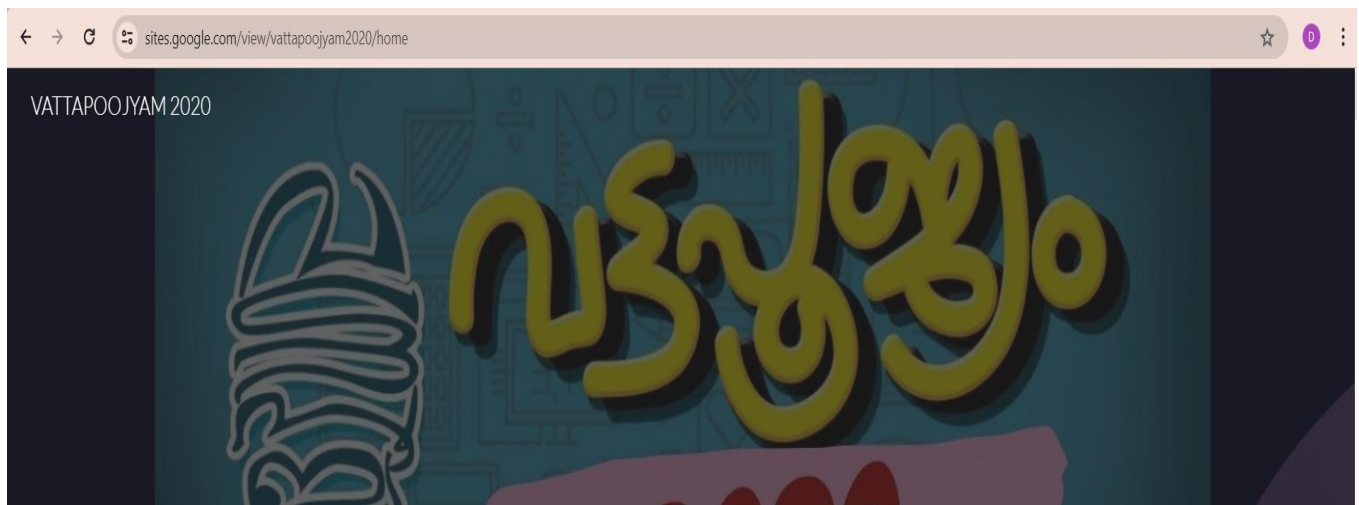
30.12.2020

Programme Report

Name of the Programme: Mathematical Virtual Exhibition – Vattapoojyam 2020

Date: 30th December 2020

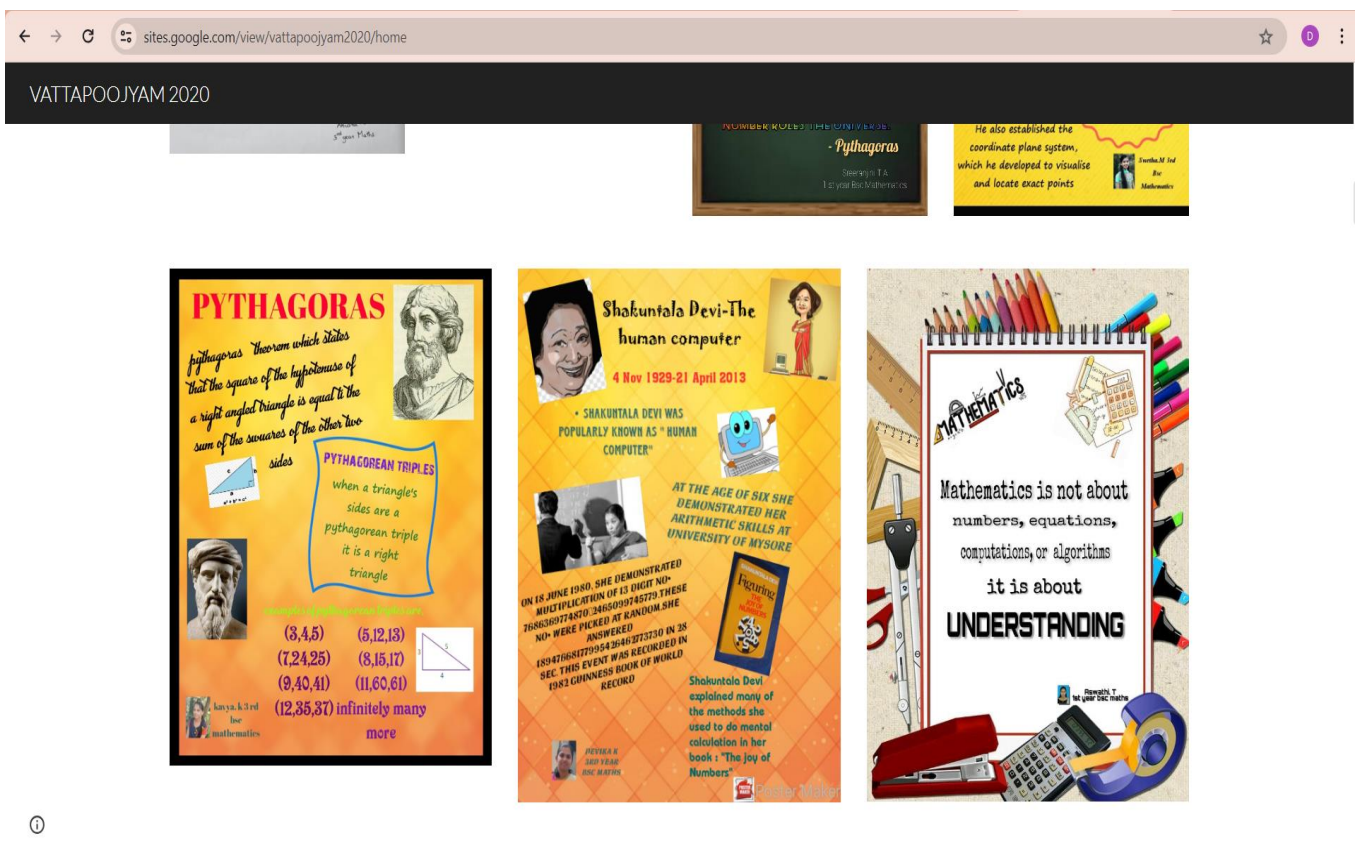
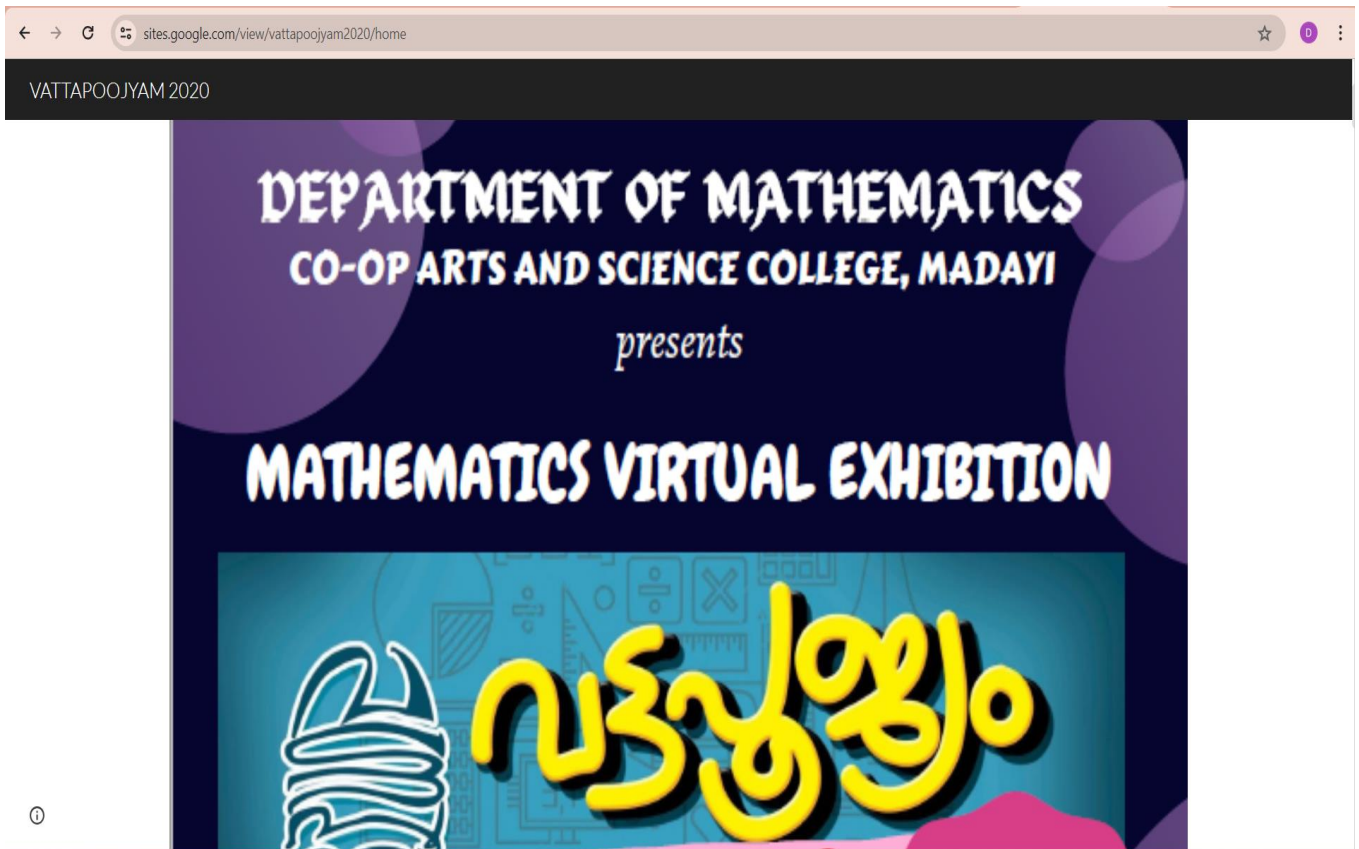
As part of National Mathematics day, the department organized a virtual exhibition in Mathematics on 30th December 2020. The event aimed to foster creativity, critical thinking, and appreciation for the beauty of mathematics. Students of the department prepared manuscript and digital posters on the various topics in Mathematics and were encouraged to explore a variety of mathematical concepts, including geometry, algebra, and calculus. The posters showcased diverse interpretations of these concepts, with some focusing on real-world applications, while others delved into abstract mathematical theories. Posters prepared by the students were published through the google site. The exhibition was a resounding success, celebrating the beauty and versatility of mathematics as a creative discipline. The event not only encouraged students to think outside the box and explore mathematical concepts in new ways but also fostered a sense of community and collaboration among mathematics enthusiasts.



DEPARTMENT OF MATHEMATICS

CO-OPERATIVE ARTS AND SCIENCE COLLEGE, MADAYI

Payangadi R.S. (PO), Kannur, Kerala-670358. E-mail: mathscascmadayi@gmail.com



DEPARTMENT OF MATHEMATICS

CO-OPERATIVE ARTS AND SCIENCE COLLEGE, MADAYI

Payangadi R.S. (PO), Kannur, Kerala-670358. E-mail: mathscascmadayi@gmail.com



Pythagoras

Pythagoras of Samos was famous Greek mathematician & philosopher

He is known best for the proof of the important Pythagorean theorem which is about right angle triangles

He started a group of mathematicians called the Pythagoreans who worshipped numbers & lived like monks

Adhika M
Final year Bsc Mathematics

MUNCHAUSEN NUMBER

$3^3 + 4^3 + 5^3 = 343 + 64 + 125 = 532$

MUNCHAUSEN NUMBER IS A NUMBER THAT IS EQUAL TO THE SUM OF ITS DIGITS EACH RAISED TO A POWER EQUAL TO THE DIGIT.

Aparita K
3rd BSc Mathematics

HIS BEST KNOWN WORK IS

Brahmasphutasiddhanta

He gave first methods of multiplication

Area of a cyclic quadrilateral with side a, b, c, d = $\sqrt{(s-a)(s-b)(s-c)(s-d)}$ where $s = \frac{a+b+c+d}{2}$

Best man to use zero as a number

Arya P
3rd BSc Mathematics

Archimedes of Syracuse was a Greek mathematician, physicist, engineer, inventor and astronomer

ARCHIMEDES' PRINCIPLE

EUREKA

EUREKA IS AN INTERJECTION USED TO CELEBRATE A DISCOVERY OR INVENTION, IT IS A TRANSLITERATION OF AN EXCLAMATION ATTRIBUTED TO ANCIENT GREEK MATHEMATICIAN ARCHIMEDES

Adhika M
3rd BSc Math

ARYABHATA

Aryabhata was familiar with place value system

Aryabhata made the approximation of pi and concluded that it is irrational

He knew the numerical symbol and the sign of zero

Aryabhata gave the area of triangle as "for a triangle the result of a perpendicular with the half side is the area"

Aranya
3rd BSc Mathematics

'Obvious' is the most dangerous

THE EQUATIONS THAT CHANGED THE WORLD

THE SQUARE ROOT OF MINUS ONE

$i = \sqrt{-1}$
 $e^{-ix} = \cos x - i \sin x$

WHY IS THAT IMPORTANT?

IT LED TO THE CREATION OF COMPLEX NUMBERS WHICH IN TURN LED TO

Aranya
3rd BSc Mathematics

Quotes

"After everything that can be counted, counted, and not everything that counts can be counted!" - Albert Einstein

Pure mathematics is in its own way the POETRY of logical ideas - Albert Einstein

In the middle of difficulty lies opportunity - Albert Einstein

Aranya
3rd BSc Math



SHAKUNTALA DEVI

"THE HUMAN COMPUTER"

4 November 1929 – 21 April 2013

"Without mathematics, there's nothing you can do. Everything around you is mathematics. Everything around you is numbers."

what were Shakuntala Devi's skills?

- Higher roots: She calculated the 7th root of 455,762,531,836,562,695,930,666,032,734,375 (answer 46,295) in 40 seconds.
- Calendar calculations: Given any date in the last century, she could instantly say which day of the week that date fell on.
- Long multiplication

Sarika P 3rd Bsc Mathematics

Pythagoras

Notable contributions (mathematics): Pythagorean theorem, Golden ratio, the relation of music and mathematics.

Laid foundation for first proof of pythagorean theorem. The cornerstones of trigonometry.

He gave the idea about perfect numbers.

Manjusha ck
3rd BSc mathematics

"IF PEOPLE DO NOT BELIEVE THAT MATHEMATICS IS SIMPLE, IT IS ONLY BECAUSE THEY DO NOT REALIZE HOW COMPLICATED LIFE IS"

-JOHN VON NEUMANN, AMERICAN-HUNGARIAN MATHEMATICIAN

Sandhya B
3rd BSc Math

BRAHMA GUPTA

598 A.D 6th Century

Brahma Gupta

"WITHOUT MATHEMATICS,

DEPARTMENT OF MATHEMATICS

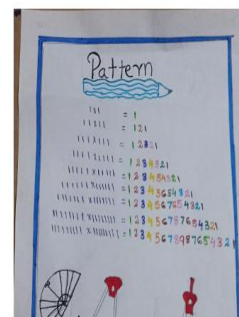
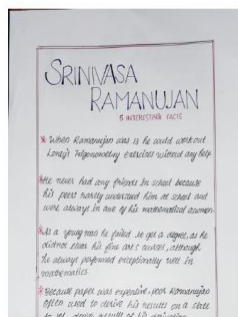
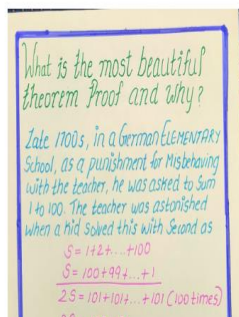
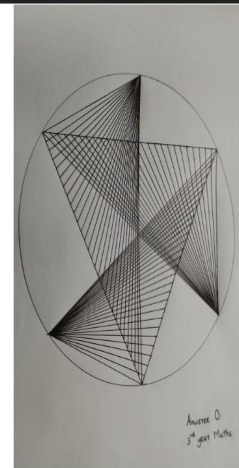
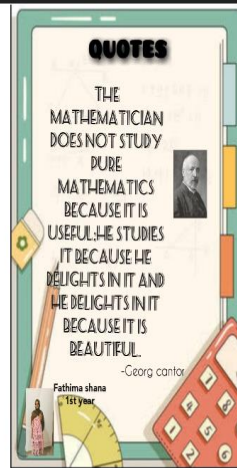
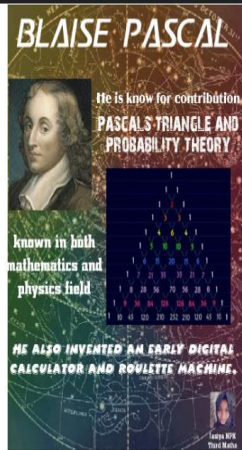
CO-OPERATIVE ARTS AND SCIENCE COLLEGE, MADAYI

Payangadi R.S. (PO), Kannur, Kerala-670358. E-mail: mathscascmadayi@gmail.com

← → ↻ sites.google.com/view/vattapoojyam2020/home

☆ D ⋮

VATTAPOOJYAM 2020



①