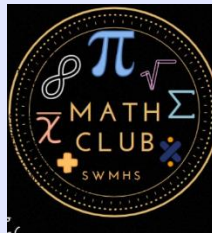




DEPARTMENT OF MATHEMATICS

MATH CLUB ANNUAL REPORT

(Academic Year: 2023 to 2024)



Submitted by
Mrs S P LAVANYA
Mrs M SUGASINI
Mr R VIJAYAKUMAR
Assistant Professor
Faculty Coordinator



Preface

The Mathematics Club of the Department of Mathematics, Sri Manakula Vinayagar Engineering College, serves as an enriching platform to promote analytical thinking, logical reasoning, and mathematical creativity among students. The club is established with the objective of strengthening the connection between theoretical concepts and real-world applications across various domains of mathematics and allied engineering disciplines.

The club actively encourages students to explore mathematical ideas through problem-solving sessions, workshops, seminars, quizzes, model-based learning, guest lectures, and interdisciplinary activities. These initiatives aim to enhance critical thinking, reasoning ability, and quantitative skills essential for academic excellence and professional success.

The effective functioning of the club is supported by a dedicated team of office bearers, including the President, Vice President, Treasurer, and Technical Coordinator, who work collaboratively with enthusiastic members to plan, organize, and implement academic and co-curricular activities. Their leadership ensures the smooth execution of the club's objectives and programs.

Through continuous learning, innovation, and application-oriented activities, the Mathematics Club strives to develop mathematically proficient, logically sound, and professionally competent graduates. The club remains committed to contributing to the overall academic growth and intellectual development of the institution.

Faculty Coordinator

Mrs S P LAVANYA

Mrs M SUGASINI

Mr R VIJAYAKUMAR



HoD/Mathematics

Dr. T. Gayathri



IQAC Coordinator

Dr. Arivalagar A A



Director Cum Principal

Dr. V.S.K. Venkatachalapathy

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ABOUT THE INSTITUTE

Sri Manakula Vinayaga Educational Trust was founded to provide quality and affordable education to the weaker sections of society. The trust established Sri Manakula Vinayagar Engineering College (SMVEC) in 1999. SMVEC is an autonomous institution affiliated to Pondicherry University. It offers 13 undergraduate, 8 postgraduate and 11 Research programs in engineering. SMVEC has been accredited by NAAC with “A” grade and NBA. The institution is also accredited by TATA consultancy services. The college has a good placement record with students getting job offers from top companies in India and abroad. SMVEC students have won many awards and accolades for their academic achievements. To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

Vision

- To nurture the cornerstone of excellence in engineering education and drive innovation by seamlessly integrating the fundamentals of Science and Humanities

Mission

M1: Quality Education : To provide comprehensive academic system that amalgamates the cutting edge technologies with best practices.

M2: Research and Innovation : To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship : To inculcate the employability and entrepreneurial skills through value and skill based training.

M4: Ethical Values : To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.



ABOUT THE DEPARTMENT

The Department of Mathematics at Sri Manakula Vinayagar Engineering College plays a key role in providing a strong mathematical foundation to students of all engineering disciplines. The department focuses on developing analytical thinking, logical reasoning, and problem-solving skills essential for engineering education and professional practice.

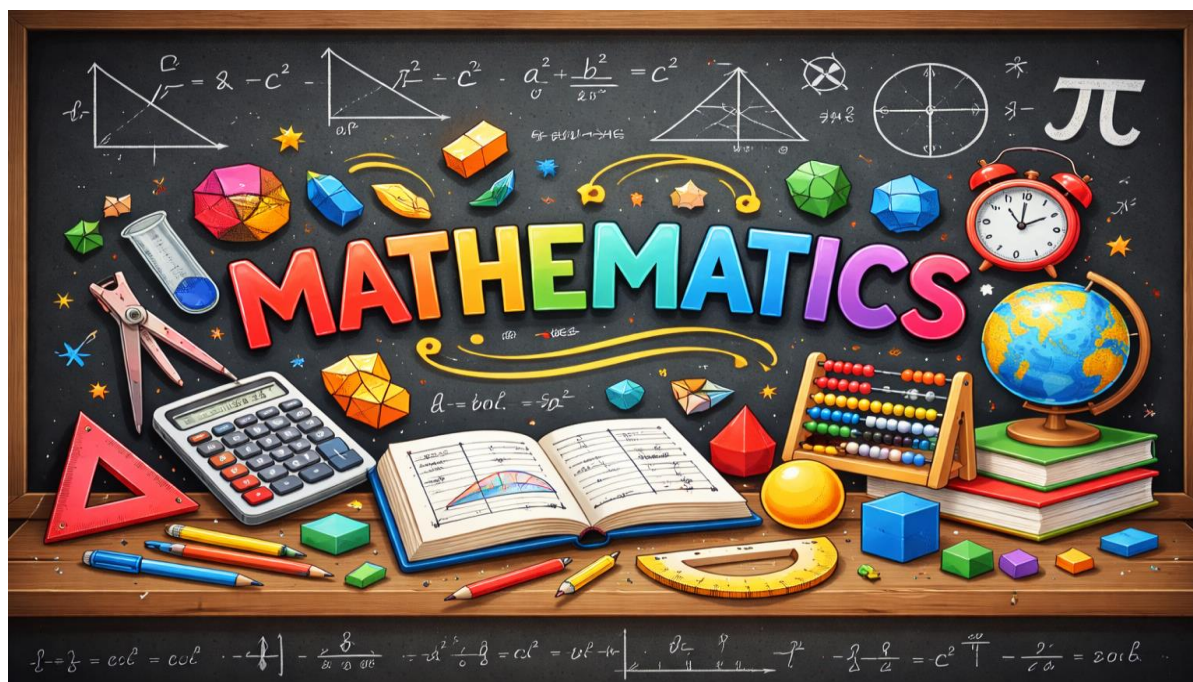
The department is supported by qualified and experienced faculty who adopt effective teaching methodologies, application-oriented learning, and technology-enabled instruction. Through academic activities, mentoring, and continuous improvement practices, the Department of Mathematics contributes significantly to the overall academic excellence and professional development of students.

Vision

- To explore value based Mathematical Education through innovative and flexible curriculum that enables to decipher and adapt in multidisciplinary academic and research environments and the society at large.

Mission

- To evolve students logical thinking, analytical reasoning and problem-solving skills.
- To nurture the value of overhauling the community.
- To educate and train skillfully as resourceful mathematicians.



ABOUT MATHEMATICS CLUB

The Mathematics Club of the Department of Mathematics at Sri Manakula Vinayagar Engineering College provides a vibrant platform to promote interest in mathematics and enhance analytical and logical thinking among students. The club aims to bridge the gap between theoretical concepts and real-life applications by encouraging problem-solving, critical thinking, and mathematical reasoning.

Objectives of Mathematics Club

The primary goal of Mathematics club are as follows:

- To promote interest and appreciation for mathematics among students
- To strengthen logical thinking and problem-solving skills
- To connect mathematical concepts with real-world and engineering applications
- To encourage participation in mathematical competitions, quizzes, and activities
- To support collaborative learning and peer interaction
- To nurture analytical, quantitative, and reasoning abilities for academic and professional growth



OFFICE BEARERS

The Math Club is led by a dedicated team of office bearers who play a vital role in driving the club's activities and fostering a culture of innovation. The team typically includes a President, Vice President, Secretary, Treasurer, and Technical Leads, each bringing unique skills and responsibilities to the table. These office bearers to develop the interpersonal aptitude skills and to increase the ability of the students. Their leadership ensures smooth operation of the club while encouraging creativity, collaboration, and hands-on learning in the field of Mathematics. Through their efforts, the club continues to be a hub of technical excellence and a launchpad for future innovators.

FACULTY COORDINATOR

- Mrs S P LAVANYA
- Mrs M SUGASINI
- Mr R VIJAYAKUMAR

STUDENT COORDINATOR

- Abarajitha.S, President.BME
- Chandrasekaran, Vice President,BME
- Sudharsanam.P, Secretary,IT
- Sennila.S , Creative Head.

Students Members of the Club:

S.No.	Name	Dept& Sec
1	SakthiPriya.K	ECE & A
2	Manisha.K	
3	Jagannath	ECE & B
4	Leethica	
5	NandikaVardini	ECE & D
6	Kowsalya	
7	Herwin.W	EEE & A
8	Aswitha.R	
9	Hemachandasanam.S	EEE & B
10	Keerthana.G.M	
11	Joushya	CSE & A
12	Santhosh	
13	Soundarya.P	CSE & B
14	Gnaneswaran.JS	
15	FazilAhamed	CSE & C
16	Janani	
17	Sudharsanam.P	IT & A
18	Sennila.S	
19	Pavan.K	IT & B
20	Nishanth.G	
21	Shriram.S	IT & C
22	Saathvic.S	
23	Sooriya.K	CIVIL
24	Sridharshini.T	
25	Harish.R	ICE
26	Hariprabu. U	
27	Kandhavel	Mechanical
28	A. Abdul Halith	
29	Abarajitha.S	BME
30	Chandrasekaran	
31	Poonguzhali.S	CCE
32	Sanjai.M	
33	Abilash.G	Mechatronics
34	Kailasanathan	
35	Manda Ramya Sri	AI & DS & A
36	Shalini.M	
37	Aparna.R	AI & DS & B
38	Nithishvaran.S	
39	Dhineshwar.R.S	CSBS
40	Kaviyah.V	

LIST OF EVENTS

S. No	Title of the Events
01	Mathematical Skill Test
02	National Mathematics Day
03	Seminar on Applications of Mathematics
04	Pie Day

MATHEMATICAL SKILL TEST

The MATH Club have organized a “ Mathematical Skill Test” on 02. 12. 2023 in the virtual mode at Seminar Hall, University Block.

- Total Number of Participants : 295
- Year of students: III and II
- Venue : University Block, SMVEC
- Date : 02/12/2023
- Event Coordinator: Mrs.M.Sugasini & Mrs.S.P.Lavanya

Objective of the Program

- To Evaluate students’ understanding of fundamental mathematical concepts such as algebra, calculus, geometry, statistics, etc.
- To identify how well students apply mathematical concepts to real-life or practical situations.
- To develop readiness for entrance exams and higher-level mathematical studies.

Outcome of the Program

- To develop the critical thinking and logical analysis skills.
- To create gain confidence through practice and performance evaluation.
- To enhance the students in accuracy and speed in calculations.

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**SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE**

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Madagadipet, Puducherry



Dr.T.Gayathri
Professor & Head
Department of Mathematics
Sri Manakula Vinayagar Engineering College
Pondicherry- 605 107

06 February, 2023

The Director cum Principal
Sri Manakula Vinayagar Engineering College
Madagadipet
Pondicherry - 605 107

Respected Sir

Sub: Requisition to initiate Mathematics CLUB -Reg.

With the purview of initiating Mathematics CLUB, we are requesting your permission to initiate the same. The objective of Mathematics club is to motivate the students to apply the various mathematical techniques through the Club activities like Quiz, Math puzzles, Dumb-C, Mathematical Modeling and Paper presentation. We look forward your kind support in this regard.

Thank you

Yours Sincerely

Dr. T. Gayathri

Director cum Principal

[Dr.V.S.K.Venkatachalapathy]

PHOTO GALLERY



NATIONAL MATHEMATICS DAY ANALYTICAL SKILL TEST

The Math Club recently has organized a National Mathematics Day for the first-year and second year students to make them understand the significance of Math in real-world applications. Also, during the activity, the students volunteered themselves to operate the bot and gained practical knowledge of Line Gripper operation.

- Total Number of Participants : 168
- Year of students: I and II
- Date: 9/12/2024
 - Event Coordinator: Mrs.M.Sugasini
 - Mode of activity: Offline

Objective of the Activity

- To honor Srinivasa Ramanujan and his outstanding contributions to Mathematics.
- To remove fear and myths about Mathematics by organizing engaging activities.
- To encourage logical and analytical thinking among learners.
- To highlight the importance of Mathematics in science, technology, and daily life
- To identify and nurture young mathematical talents.

Overview of the Activity

National Mathematics Day is celebrated every year on 22nd December in India to commemorate the birth anniversary of the great Indian mathematician Srinivasa Ramanujan.

The Government of India declared this day in 2012 to mark Ramanujan's 125th birth anniversary and to recognize his remarkable contributions to number theory, infinite series, continued fractions, and mathematical analysis.

Ramanujan was a self-taught mathematical genius whose work continues to influence modern mathematics. Despite limited formal training, his discoveries have had a lasting impact on pure and applied mathematics worldwide.

Outcome of the Event

- Students develop positive attitude and confidence towards Mathematics.
- Increased participation in Math quizzes, puzzles, exhibitions, and competitions.
- Enhanced awareness about Indian mathematicians and their contributions.
- Creation of a vibrant mathematical culture in the institution.

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Madagadipet, Puducherry



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SMVEC/MAT/2023-24/ 05

Date: 23.11.2023

We are happy to inform that, Every year, 22 December is observed as National Mathematics Day to mark the birth anniversary of Srinivasa Ramanujan, a renowned Indian Mathematician. Mathematics Day is marked to celebrate his works and recognize him as a legend in Mathematics. In this regard, MATH Club of SMVEC conducts Analytical Skill Test, Mathematical Model and Poster Presentation. All the interested students from B.Tech (I Year and II Year) are invited to participate in the events.

All the Heads are requested to kindly circulate the event details to your department students.

S.No	Event	Topic	Instructions	Date & Time	Remarks
1	Analytical Skill Test	Engineering Mathematics	Bring A4 sheet Number of Questions: 25 Maximum Marks : 50 Duration: 2.00 hrs	02.12.2023 2 pm to 4 pm	Certificates provided to the students those who secure more than 90%
2	Poster Presentation	Any Model related to Mathematics and Engineering	Display and <u>Explain</u> your model or <u>Poster</u> .	11.12.2023 2 pm to 4 pm	Certificates provided to Best Poster and Best Mathematical Model
3	Mathematical Model				

Overall Best Performance candidate will be Awarded - "Excellence in Analytical Skill Test"

Venue: Seminar Hall, 5th Floor, New Block.

Event Coordinators

1. M. Sugasini

2. S.P.Lavanya

Head of the Department

(Dr.T.Gayathri)

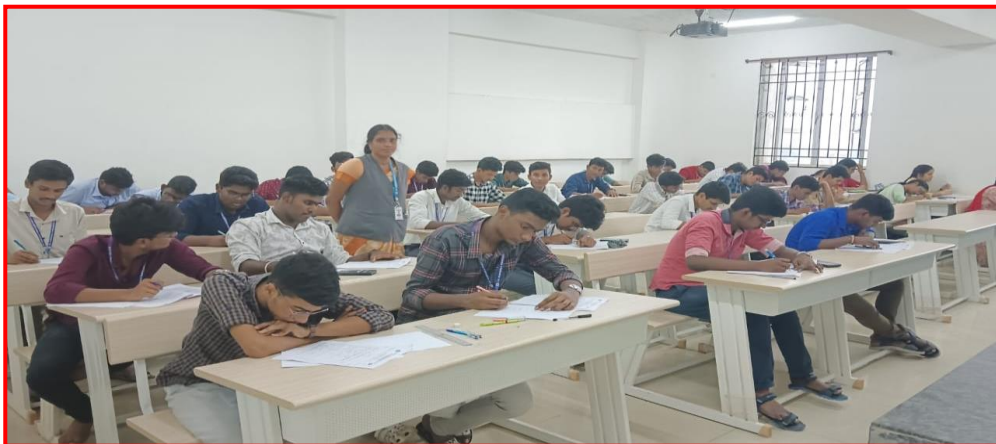
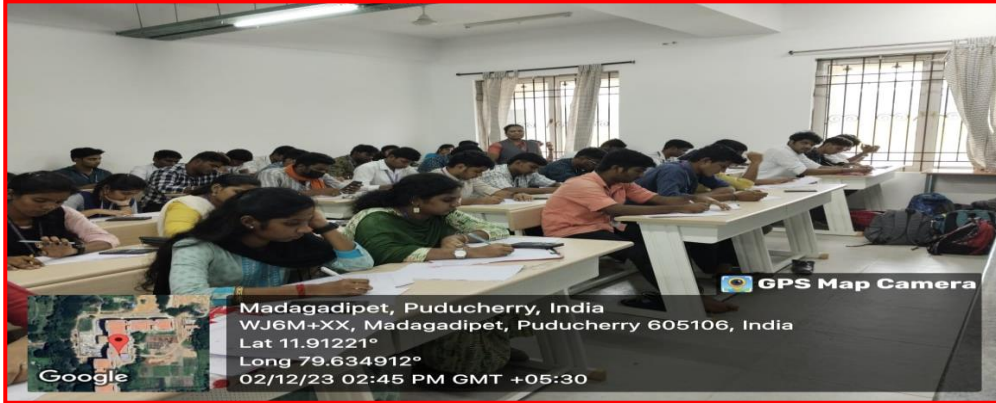
Director cum Principal

(Dr.V.S.K.Venkatachalapathy)

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PHOTO GALLERY





POSTER PRESENTATION

The Math Club recently has organized a Poster Presentation for the first-year and second year students to make them understand the significance of Maths in real-world applications.

- Total Number of Participants :21
 - Year of students: I &II
 - Date: 1/12/2023
 - Mode of Activity: Offline

Objective of the Activity

- To help students understand mathematical concepts clearly through visual representation.
- To enable students to explain mathematical concepts effectively using charts, diagrams, and illustrations.
- To develop self-confidence through presentation and explanation of mathematical topics.
- To show practical applications of mathematics in daily life and various fields.

Overview of the Activity

A **Mathematics Poster Presentation** is an academic activity designed to enhance students' understanding of mathematical concepts through creative visual representation. In this activity, students select a mathematical topic and present it using charts, diagrams, graphs, formulas, illustrations, and real-life applications in an attractive poster format. It encourages learners to explore concepts deeply, organize information logically, and communicate ideas clearly. The presentation process helps in developing analytical thinking, creativity, teamwork, and confidence. By combining art with mathematical reasoning, the poster presentation makes mathematics more engaging, interactive, and meaningful, thereby promoting active learning and greater interest in the subject.

Outcome of the Activity

- Students gain a deeper and clearer understanding of mathematical concepts.
- The activity makes mathematics more engaging and enjoyable, fostering a positive attitude toward the subject.
- Students understand how mathematical concepts are connected to everyday life and practical situations.

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SMVEC/MAT/2023-24/ 05

Date: 23.11.2023

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3	Mathematical Model				
Overall Best Performance candidate will be Awarded - "Excellence in Analytical Skill Test"					

Venue: Seminar Hall, 5th Floor, New Block.

Event Coordinators

1. M. Sugasini

2. S.P.Lavanya

Head of the Department

(Dr.T.Gayathri)

Director cum Principal

(Dr.V.S.K.Venkatachalapathy)

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“SEMINAR APPLICATIONS IN MATHEMATICS”

- Topic: Applications of probability in Real life
- Total Number of Participants : 125
- Year of students: II
- Date: 18/12/2023
- Mode of Activity: Online

Objective of the Activity

- To familiarize first-year students with the current trends and demands in robotic design.
- To explain the technical and functional challenges faced in designing robots for real-world applications.
- To raise awareness about the role of automation and robotic assistance in emerging industries and technologies.
- To motivate and encourage participation in future robotics-related activities and projects.

Outcome of the Activity

- Students gained a clear understanding of the key design challenges, such as hardware integration, sensor fusion, mobility, AI control, and power management in robotics.
- Participants were introduced to real-world applications of robotics in healthcare, logistics, manufacturing, and service sectors.
- The session helped ignite interest among first-year students, many of whom expressed enthusiasm to engage in club activities and pursue further learning in robotics and automation.
- A platform was created for interactive learning and peer engagement, building a stronger foundation for the next generation of robotics enthusiasts.

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DEPARTMENT OF MATHEMATICS

SMVEC MATH CLUB

MATH CLUB ACTIVITY

(online Mode)

An expert talk by **Prof. Dinesh Singh**, on **18 December 2023 (Monday) at 12 noon (online)**

Prof. Dinesh Singh,

Chancellor KR Mangalam University Gurugram

Former Vice Chancellor |

Delhi University

* This expert talk is jointly hosted by AICTE and Shiksha Sanskriti Utthan Nyas, New Delhi.

Total No of Faculty Participants – 20

Total No of Students Participants – 125

Total No of External Participants – 1

S.P.L. Lavanya

M. Sugasini

Coordinators
(Mrs S.P. Lavanya,
Mrs.M.Sugasini)

T. Gayathri

Chair Person
(Dr.T.Gayathri)

S. Anbumalar

Dean Academics
(Dr.S.Anbumalar)

V.S.K. Venkatachalapathy

Director cum Principal
(Dr.V.S.K.Venkatachalapathy)

PHOTO GALLERY



PI DAY

Pi Day is celebrated every year on March 14 (3/14) to honor the mathematical constant π (pi), which represents the ratio of a circle's circumference to its diameter and is approximately 3.14. The day is widely observed in schools and colleges through various mathematical activities such as quizzes, poster presentations, competitions, and recitation of pi digits. Students explore the importance of π in geometry, trigonometry, engineering, and science. Pi Day also commemorates the birth anniversary of the great scientist Albert Einstein. By celebrating Pi Day, educators aim to create interest in mathematics, encourage logical thinking, and highlight the beauty and relevance of mathematics in everyday life.

- Total Number of Participants: 135
- Year of students: I&II
- Date: 14/03/2024
- Mode of Activity: Offline

Objective of the Activity

- To recognize the significance of π (approximately 3.14) in mathematics, especially in geometry and circle-related concepts.
- To create enthusiasm and positive attitudes toward mathematics through engaging activities and competitions.
- To provide opportunities for students to express mathematical ideas through posters, models, speeches, and presentations.
- To remember the contributions of mathematicians and scientists like Albert Einstein, whose birthday also falls on March 14.

Outcome of the Activity

- Students gain clear knowledge about the value of π and its applications in geometry, trigonometry, science, and engineering.
- Activities such as quizzes and competitions strengthen logical reasoning and critical thinking abilities.
- Students learn about the significance of π and the contributions of great mathematicians and scientists like Albert Einstein, whose birthday is also celebrated on March 14.
- Students understand how π is used in everyday life and various professional fields.

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SMVEC/MAT/2023-24/ 06

Date: 07.03.2024

We are happy to inform that, the IQAC Cell and Department of Mathematics jointly planned to celebrate Pie day. Pie day is an annual celebration of the mathematical constant π . Pi Day is observed on March 14 (the 3rd month) since 3, 1, and 4 are the first three significant figures of π .

We planned to conduct the following activity for students.

- (i) Presentations about the Constant Pie/ History of pie
- (ii) Presentations about any mathematician and their contributions to the world
- (iii) Charts or Models preparation related to Pie.

In this regard, all the Heads are requested to kindly circulate the circular to your department students and motivate to participate the events.

Venue: Seminar Hall, 5th Floor, New Block.

Date and Time: 14.03.2024, 10 am

S.P.Lavanva

M. Sugasini

T. Gayathri

Dr. V.S.K. Venkatachalapathy

Event Coordinators

Head of the Department

Director cum Principal

1. M. Sugasini

(Dr.T.Gayathri)

(Dr.V.S.K.Venkatachalapathy)

2. S.P.Lavanva

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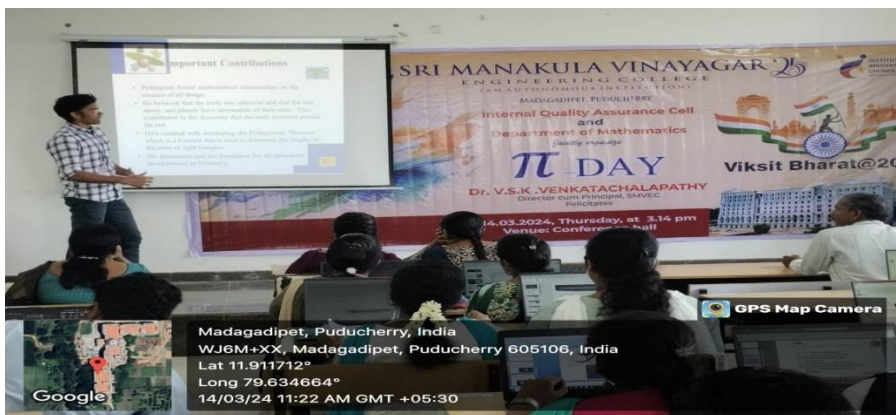
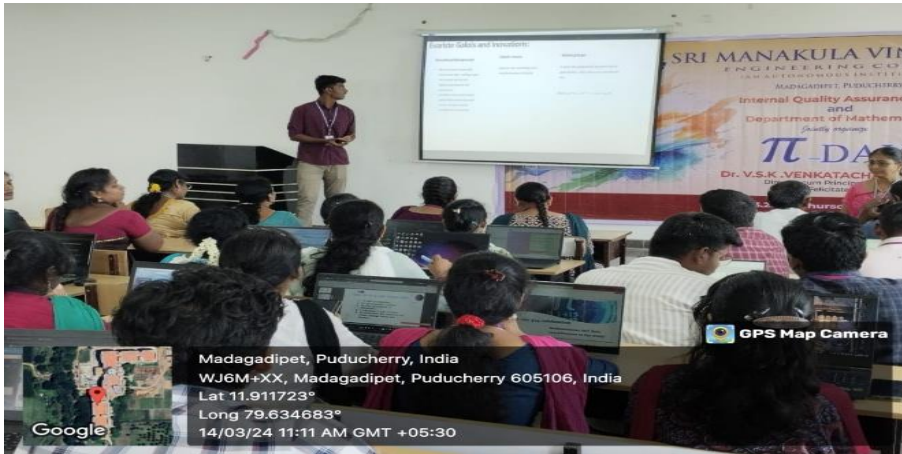
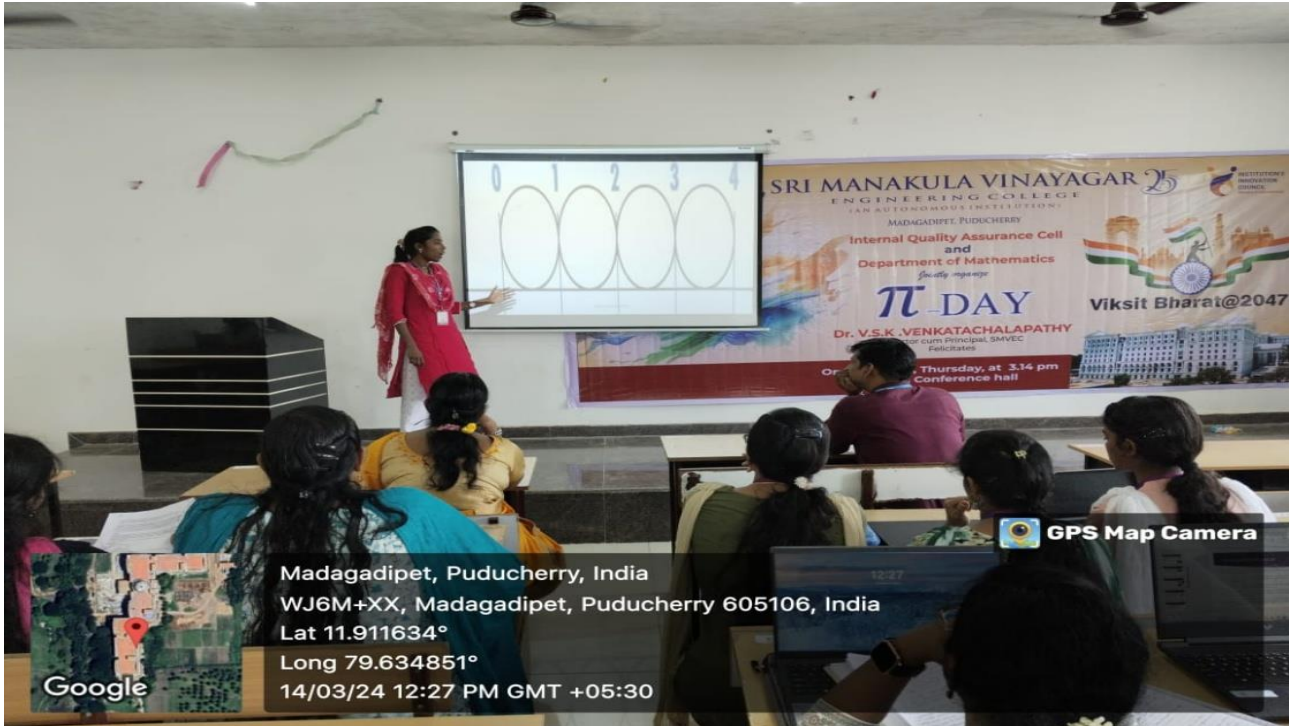
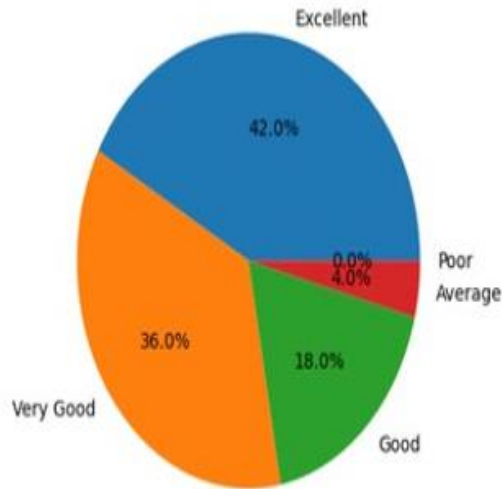


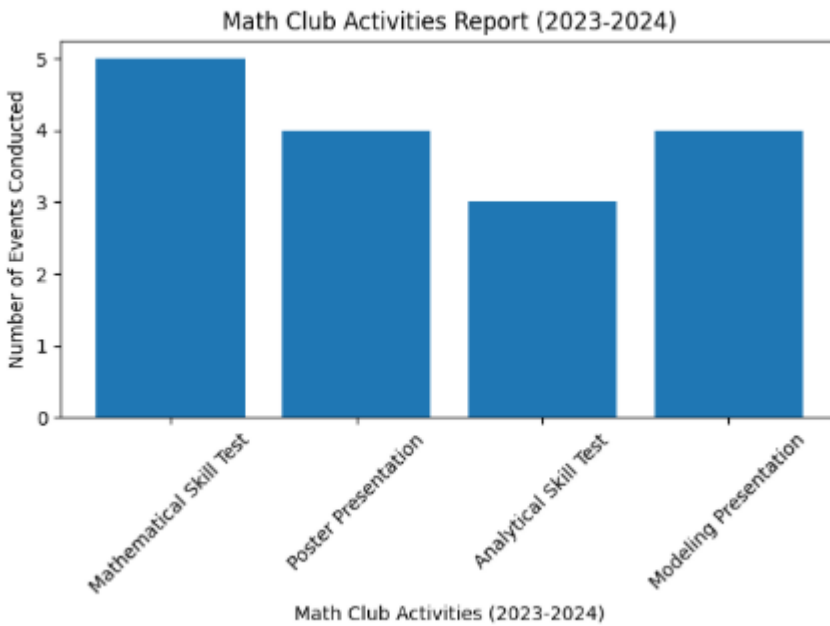
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STUDENT FEEDBACK



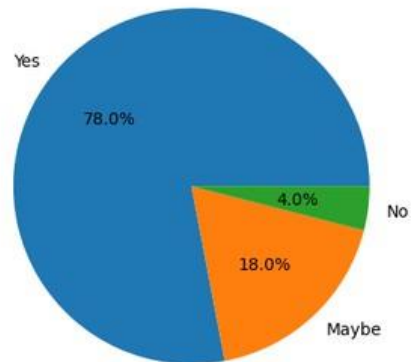
The pie chart depicts the overall satisfaction level of students regarding Math Club activities conducted during the academic year 2023-2024. It is observed that 78% of students rated the activities as Excellent or Very Good, indicating a high level of satisfaction. Only 4% rated the activities as Average, and no negative feedback was recorded.



The bar chart represents the average ratings given by students for various effectiveness parameters. The ratings are consistently nearly 5, highlighting the club’s strong performance in event organization, hands-on exposure, skill development, and teamwork enhancement. The highest rating was observed for hands-on exposure, reflecting the practical orientation of the club activities.

STUDENT FEEDBACK

Recommendation of Club Activities by Students



The pie chart shows that 78% of students are willing to recommend the Math Club activities to other students, while 18% expressed conditional interest. This clearly demonstrates the positive perception and value of the club among students

MATH CLUB STUDENTS ACHIEVEMENTS

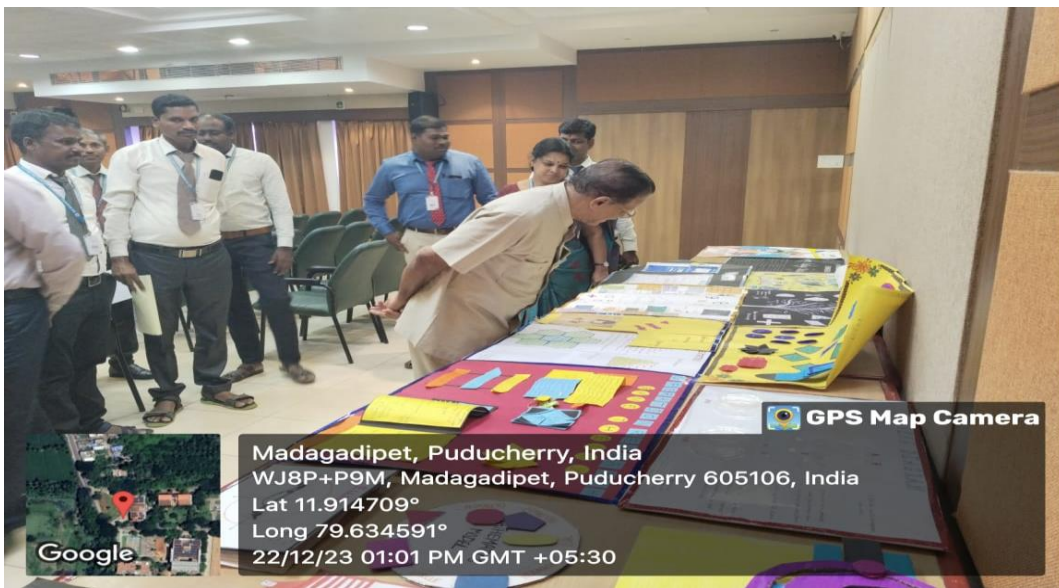
Students from the Math Club have actively participated in various events, achieving notable success and winning several prizes. Highlights of their achievements are showcased above.



MATH CLUB STUDENTS ACHIEVEMENTS







| FUTURE PLAN OF ACTION

- Organize **Mathematics Quiz Competitions** at intra-college and inter-college levels.
- Publish a **Math Club Newsletter or Wall Magazine** featuring articles, puzzles, and achievements
- Promote the use of **technology in mathematics**, including mathematical software and coding applications
- Arrange special lectures on advanced topics and real-life applications of mathematics.

