



## A J INSTITUTE OF ENGINEERING AND TECHNOLOGY

NH-66, Kottara Chowki, Mangaluru -575006, Karnataka, INDIA

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi. Affiliated to Visveswaraya Technological University, Belagavi)

Accredited by NAAC, NBA (CV, CSE, ECE, ISE, ME)

Date-13/09/2025

### A REPORT “HOW TO CRACK COMPETITIVE EXAMINATIONS USING VEDIC MATHEMATICS TRICKS”

The Students' Association ARTIFEX organized a one-day workshop on “How to Crack Competitive Examinations Using Vedic Mathematics Tricks” on 13th September 2025 at Room A-423. The workshop was held from 9:30 am to 4:30 pm and witnessed active participation from students eager to strengthen their aptitude and problem-solving skills.

#### **Inauguration and Welcome Address**

The event commenced with a formal welcome by the Master of Ceremony, Miss. Shiea Sudhir, who set the tone for the day's program. The workshop was officially inaugurated by Mrs. Vineetha Pais, Assistant Professor, AI&ML, who delivered the inaugural address. In her remarks, she emphasized the importance of developing mathematical agility and accuracy to excel in competitive examinations. She highlighted that while technology is widely available, building strong mental calculation abilities through Vedic Mathematics is a timeless skill that can give students a significant advantage in high-pressure exams.

#### **Resource Person Introduction**

Following the inauguration, Dr. Krishna Prasad K, Associate Professor, ISE, was introduced as the resource person. With his vast academic expertise and experience in teaching mathematical techniques, he was the ideal guide for the day-long session. He began by providing an overview of Vedic Mathematics, tracing its roots to ancient Indian scriptures and explaining the sixteen sutras that form the basis of this system. His introduction captured the audience's attention and created curiosity about the practical applications of these techniques.

#### **Workshop Sessions**

The workshop was organized into two technical sessions—morning and afternoon—each designed to balance theory with practice.



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### MorningSession:

The morning session started with an overview of the foundational sutras of Vedic Mathematics. Dr. Krishna Prasad explained how each sutra could be applied to arithmetic operations such as multiplication, division, and squaring. For example, he showed methods like “Vertically and Crosswise” for quick multiplication and “Nikhilam” techniques for subtraction. Students practiced problems alongside the explanations, which made the learning highly interactive. The session also included exercises comparing conventional long methods with Vedic techniques, which clearly highlighted the time saved. Many students expressed surprise at how easily large calculations could be performed mentally.

### AfternoonSession:

The second session focused on the application of Vedic Mathematics in competitive examinations. Dr. Krishna Prasad demonstrated how these techniques could be directly applied to questions from aptitude tests, logical reasoning, and numerical ability sections. Topics included rapid simplification of fractions, squaring of numbers close to base values, and shortcuts for solving algebraic equations. He also emphasized time management strategies, explaining that in exams like GATE, CAT, banking, and placement tests, the ability to solve questions within seconds can significantly improve overall scores.

To make the session engaging, he conducted live problem-solving challenges where students competed to solve questions using both conventional and Vedic methods. This comparative approach reinforced the efficiency of the tricks. The afternoon concluded with a discussion on how regular practice of Vedic Mathematics can improve concentration, accuracy, and confidence in high-stakes exams.

### Interactive Q&A and Feedback Session

Towards the end, an interactive question-and-answer session was conducted, where students actively engaged with the resource person to clarify their doubts and discuss strategies for applying Vedic tricks in real exam scenarios. The session also included feedback from participants, who expressed their appreciation for the practical knowledge gained. They acknowledged that the workshop not only improved their calculation speed but also boosted their confidence for future exams.

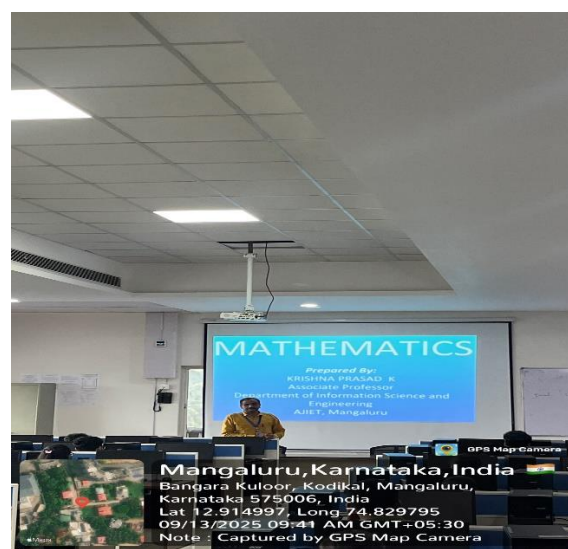
## Conclusion

The workshop concluded successfully with the participants acknowledging the value of the sessions. The one-day event proved to be a highly enriching experience, equipping students with unique problem-solving tools and strategies for cracking competitive examinations. The collective efforts of ARTIFEX, the valuable guidance of Dr. Krishna Prasad K, and the encouraging presence of Mrs. Vineetha Pais ensured that the workshop was a grand success.

## PHOTOS



In response to the MC's invitation, Welcome Address was being delivered Mrs. Vineetha Pais.



The Session started.



Dr.krishna Prasad was giving the Introduction session

Participants were eagerly listening to the session.



An Interactive part in the Session



Students are practicing the questions