



Academic
Staff College

One-Day Faculty Development Program on

"Significance of Vedic Mathematics in Indian Knowledge System"

Resource Person: Dr. Ankita Tiwari, Asst. Professor, Department of Mathematics, KLEF

Date : 02.03.2023 (Thursday)

Timings : From 2.00 p.m. to 5.00 p.m.

Venue : ERLT Lab, L414, L Block

Participants: 30 faculty members from different schools

Topics Covered:

- Introduction to Vedic Mathematics
- History of Vedic Mathematics
- Significance of Vedic Mathematics in Indian Knowledge System
- Benefits of Learning Vedic Mathematics
- Different Vedic Mathematics Techniques

Key Takeaways:

- Vedic Mathematics is a system of mathematics that originated in India thousands of years ago.
- Vedic Mathematics is based on the use of simple yet powerful techniques that can be used to perform mathematical calculations quickly and accurately.
- Vedic Mathematics is a valuable tool for students of all ages, and it can also be used by professionals in a variety of fields.

- Vedic Mathematics is rooted in the Indian Knowledge System, which is a rich and diverse tradition of knowledge that encompasses mathematics, philosophy, science, and religion.
- The benefits of learning Vedic Mathematics include:
 - Increased speed and accuracy in mathematical calculations
 - Improved problem-solving skills
 - Increased creativity and intuition
 - Enhanced memory and concentration
 - Development of a deeper understanding of mathematics
- Faculty Development Program on "Significance of Vedic Mathematics in Indian Knowledge System" Date: 02-03-2023
- Introduction: The Faculty Development Program (FDP) on "Significance of Vedic Mathematics in Indian Knowledge System" was conducted on 2nd March 2023 at [Venue], organized by [Your Institution/Department]. The aim of this program was to enlighten the faculty members about the importance and relevance of Vedic Mathematics in the context of the Indian knowledge system. The event aimed to equip the faculty with valuable insights into Vedic Mathematics' techniques, historical significance, and potential applications.
- Program Agenda:
- The program commenced with a formal introduction to Vedic Mathematics by Dr. JayaprakashJala, Associate Professor, Academic Staff College. And Dr. Jala introduced the speaker of the day Dr. who is a renowned expert in the field. The session focused on the history and origin of Vedic Mathematics, highlighting its roots in ancient Indian scriptures known as the Vedas.
- Fundamental Concepts of Vedic Mathematics: delved deeper into the core concepts of Vedic Mathematics. [Speaker's Name] explained the sixteen Sutras and their applications in simplifying complex mathematical operations, such as addition, subtraction, multiplication, and division. Faculty members actively participated in hands-on exercises to understand the practical utility of these techniques.
- Application of Vedic Mathematics in Education: on exploring the applications of Vedic Mathematics in the education sector. [Speaker's Name] demonstrated how Vedic

Mathematics techniques could be integrated into the existing curriculum to enhance students' problem-solving skills and mental math abilities. Special emphasis was placed on addressing challenges and misconceptions related to Vedic Mathematics.



- Advancements in Vedic Mathematics Research Time: 2:00 PM - 3:15 PM The post-lunch session highlighted recent advancements and ongoing research in the field of Vedic Mathematics. [Speaker's Name] discussed how modern mathematical concepts can be explained using Vedic Mathematics principles. The faculty members gained insights into the potential scope for further research in this domain.
- The program concluded with a discussion where faculty members actively engaged in a constructive dialogue. The panelists addressed queries, shared their experiences, and brainstormed ways to integrate Vedic Mathematics effectively into the existing teaching methodologies.
- Altogether the resource person delivered a motivational address, encouraging faculty members to implement Vedic Mathematics in their teaching practices.
- Conclusion: The one-day Faculty Development Program on the "Significance of Vedic Mathematics in Indian Knowledge System" was a resounding success. The participants

gained valuable insights into the ancient mathematical system, its applications in modern education, and its potential for future research. The event provided a platform for faculty members to enhance their teaching methodologies and encouraged them to explore innovative ways to make mathematics learning more engaging and effective for their students.

- Overall, the program contributed significantly to promoting the rich heritage of Indian Mathematics and its integration into the contemporary academic landscape. The participants left the FDP with a renewed enthusiasm to incorporate Vedic Mathematics principles in their classrooms and contribute to its preservation and dissemination.





Recommendations:

- The participants were encouraged to continue learning about Vedic Mathematics and to share their knowledge with their students.
- The participants were also encouraged to incorporate Vedic Mathematics techniques into their teaching practices.

Overall, the FDP was a success. The participants found the content to be informative and helpful. They were also grateful for the opportunity to learn.

- The participants were particularly interested in the Vedic Mathematics techniques for multiplication, division, and square roots.
- They also found the discussion of the significance of Vedic Mathematics in Indian Knowledge System to be very informative.
- The participants expressed interest in attending future FDPs on Vedic Mathematics.



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Faculty Development Program on "Significance of Vedic Mathematics in Indian Knowledge System" on 02-03-2023.

Resource person : Dr. Ankita Tiwari, Asst. Professor, Department of Mathematics, KLEF.

Venue: ERLT Lab, L-414

S.No	Emp Id	Employee Name	Dept	Signature of the Employee
1	7284	U.K. SHUKLA	CDOE	
2	3155	Dr. G.V.R. Reddy	Maths	
3	2784	Dr. G. Charan Kumar	Maths	
4	3906	Dr. W. Sridhar	Maths	
5	4269	Dr. V.B.V.N. Phasad	Maths	
6	1394	Dr. K.V. Chandras Sekhar	Maths	
7	7804	Dr. N. RAMESH BABU	MATHS	
8	7829	Dr. IMRAN ALI	MATHS	
9	7101	Dr. V. RAGH	MATHS	
10	1809	Dr. T. SRINIVASARAO	MATHS	
11	7355	Dr. S.M. Ibrahim	Maths	
12	7857	Dr. Manish Chaudhary	Maths	
13	5809	A. Sudheer	CSS	
14	1729	Dr. B.V. Appa Rao	Maths	
15	4804	E. Sreelatha	CSS, Q&R	
16	3035	Dr. J. Eswar Reddy	CDOE-Mathematics	
17	3192	P. Daniel Paul	CSS (Q&R)	
18	2999	Dr. Sateesh Kumar	Maths	
19	6839	D. Nagarajulu Reddy	C.S.G (Q&R)	
20	4419	R. Sumit Kumar	C.S.S. (Q&R)	
21	3988	Dr. T. Nageswara Rao	Maths	
22	5141	Dr. N. VIJAYA	Maths	
23	7558	Dr. Refalini Palno	Maths	
24	6917	G. Anuragha	Maths	
25	2275	K. Stephen Victor	CSS (Q&R)	
26	7915	S. Lakshmi Kalya	CSS (Q&R)	
27	6614	Mrs. Shabane. I	CSS (Q&R)	

S.No	Emp Id	Employee Name	Dept	Signature of the Employee
28	3244	Dr. S. Ragamayi	maths	S. Ragamayi
29	4840	Dr. M. Radha madhavi	Maths	M. Radha madhavi
30	6895	Dr. B. Debaranda	CDOE(Maths)	B. Debaranda
31	7832	N. Rajender	CSE-BES-II	N. Rajender
32	2841	Dr. S.V. Subrahmanyam	maths	S.V. Subrahmanyam
33	5676	Dr. Ch.V. Ramesh Murthy	Maths	Ch.V. Ramesh Murthy
34	1343	D. T. S. Rao	Maths	D. T. S. Rao
35	1562	D. B. S. Rao	Maths	D. B. S. Rao
36	3205	T. Anitha	CSS	T. Anitha
37	1678	Dr. S.V.M. Samsa	CSS	Dr. S.V.M. Samsa
38	4351	Dr. A. Srinamanyam	maths	A. Srinamanyam
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