

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A++" by NAAC | Approved by AICTE

www.sathyabama.ac.in

Department of Mathematics Value Added Courses Offered during 2023-2024 Report on Vedic Mathematics



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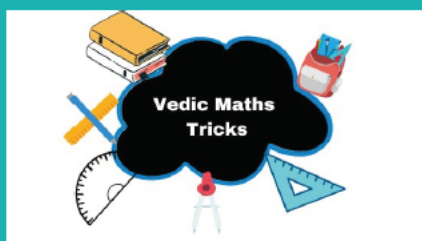


DEPARTMENT OF MATHEMATICS

Presents

VALUE ADDED COURSE ON VEDIC MATHEMATICS

02.02. 2024-26.04.2024



CONTENTS

- Squaring of Numbers
- Criss cross system of Multiplications
- Cube root of Squares.
- Digit Sum Method.
- Square root of Perfect Squares.
- Base Method of Division
- Dates and Calendar
- Square root of Imperfect Squares.
- Cube root.
- Simultaneous Equation.

ORGANIZER

Dr.S.Cynthiya Margaret Indrani
Assistant Professor
Sathyabama Institute of Science and Technology

CONVENORS

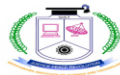
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Dean, Arts and Science
Dr. M. Nirmala
Head, Dept. of Mathematics

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Aim & Scope: The aim of this course is to facilitate comprehension of the underlying principles pertaining to the theoretical utilization of Vedic techniques. This program is specifically tailored for students who aspire to pursue a professional path in the field of logical reasoning. The course offers the convenience of flexible deadlines and the ability to view course information anywhere. One can access quizzes to acquire knowledge and improve proficiency in the field of logical mathematics.

Course Objective:

- To enhance students' numerical mathematical abilities.
- To facilitate students' ability to identify and understand fundamental arithmetic computation techniques.
- To provide the necessary skills to students in order to proficiently and precisely execute computations by employing the concepts of Vedic Mathematics.
- To enable students to uncover the inherent capabilities of Vedic Mathematics.

Learning Outcomes:

- Upon successful completion of the course, students will acquire the ability to engage in critical thinking and demonstrate proficiency in solving algebraic equations via mathematical methods.
- This study aims to explore methods for efficiently and effortlessly solving systems of linear equations and matrices.
- The purpose of this discourse is to express admiration for the mathematical achievements of Ancient India.



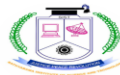
Coordinators of the Course: Dr. S. Cynthiya Margaret Indrani, Assistant Professor, Department of Mathematics.

Value Added Course Report:

Sathyabama Institute of Science and Technology, Department of Mathematics organized Vedic Mathematics Course for the 2nd year B.sc Mathematics and 1st Year M.Sc Mathematics students for the academic year 2023-24 even semester to provide a supportive environment for the students interested in learning Vedic Math, under the guidance of Dr. S. Cynthiya Margaret Indrani. Vedic Mathematics is a collection of methods to solve numerical computations quickly with less calculations. The first session was conducted on 2nd Feb 2024 through offline mode. Till 26.04.2024, 30 classes of Vedic Mathematics have been conducted for the students. 28 students from the B.Sc and M.sc mathematics have enrolled for the Vedic Mathematics class. The sessions are conducted usually on Fridays at 1.15 to 3.15 pm. The course Co-Ordinator teaches the techniques, and tricks that they could employ to make their calculations faster and accurate. She gives various examples in hand practice to the students to grasp the tricks spontaneously. The students enjoy the techniques of fast calculations and actively participate in the class with zeal and enthusiasm. As per the feedback from students, the techniques taught during the lecture has helped the students to do their calculations quickly and accurately. We hope that the students will benefit greatly from the sessions in their academics as well as for various competitive exams. The students were submitted the assignments covered on all the topics which was taught in the classroom. Based on the assignment's certificates were provided to the students.

The following topics were covered.

S.No	Date	Topics	Duration
1	02.02.2024	Squaring of Numbers	2 Hrs
2	09.02.2024	Criss cross System of Multiplication	3Hrs
3	16.02.2024	Cube root of Perfect Squares	2 Hrs



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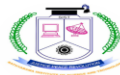
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4	23.02.2024	Square Root of Perfect Squares	3 Hrs
5	01.03.2024	Digit Sum Method	2 Hrs
6	08.03.2024	Dates and Calender	3Hrs
7	15.03.2024	Simultaneous equations	2 Hrs
8	22.03.2024	Square root of Imperfect Squares	2 Hrs
9	05.04.2024	Square root of Imperfect Squares	3 Hrs
10	12.04.2024	Cube root	3Hrs
11	19.04.2024	Base Method of Division	3 Hrs
12	26.04.2024	Base Method of Division	2 Hrs

Total No. of Students Attended: 28

S.No	Reg. No	Name of the Student
1.	43630001	CHIRAVURI SAI SRILEKHA
2.	43630002	DEVADI VISWA
3.	43630003	FATHIMA.S
4.	43630004	NEEHARIKA. J
5.	43630005	SHINEY BEULAH. J
6.	43630006	KAVIYA. R
7.	43630007	ASHWINI K
8.	43630008	D JAI PRIYA
9.	43630009	RAJESH D
10.	43630010	ABIRAMI M
11.	43630011	POOJA T
12.	43630012	YOGINI SHANKARI S
13.	43630013	PONSWETHA. S
14.	43630014	DHIVYA BHARATHI S
15.	43630015	DEEPIKA SRI. K
16.	43630017	DIVYA LAKSHMI S
17.	42060001	GAYATHRI M



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18.	42060002	KEERTHANA P
19.	42060003	LAVANYA S
20.	42060004	LOGESHWARI S
21.	42060005	MURALI C
22.	42060006	NITHYA SRI J
23.	42060007	PRATHEEPA N
24.	42060008	RENUPRADAP S
25.	42060009	S PALANIVEL
26.	42060010	SHELSHIYA P
27.	42060011	SUBASRI S
28.	42060012	V.RAMIA

CERTIFICATE



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**Certificate
OF COMPLETION**

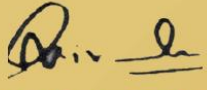
THIS IS TO CERTIFY THAT

ABIRAMI M

HAS SUCCESSFULLY COMPLETED VEDIC
MATHEMATICS CERTIFICATE COURSE
BETWEEN JANUARY-APRIL, 2024.


**Dr.S. CYNTHIA MARGARET
INDRANI**
ASSISTANT PROFESSOR




DR. M. NIRMALA
HEAD, DEPARTMENT OF MATHEMATICS