



# VIVEKANANDA COLLEGE

(Residential & Autonomous – A Gurukula Institute of Life – Training)

College with Potential for Excellence

Re-accredited with “A” Grade (CGPA 3.59 out of 4.00) by NAAC

Affiliated to Madurai Kamaraj University, Managed by Sri Ramakrishna Tapovanam,  
Tirupparaiturai, Trichy

Tiruvedakam West, Madurai District-625 234, Tamil Nadu

**DBT STAR COLLEGE SCHEME**

Department of Biotechnology, Government of India, New Delhi



Chairman & Principal : Dr. T. Venkatesan, M. Com., B.Ed., M.Phil., PGDCA., Ph.D

Coordinator & Member Secretary : Dr. G. Ponraj, M.Sc., M.Phil., Ph.D

## Five Days State Level Workshop On “Vedic Mathematics”

**SWAMI VEDANANDA,**  
Secretary

**SWAMI ADHYATMANANDA,**  
Kulapathi

**Dr. T. VENKATESAN,**  
Principal

**Dr. V. PARTHASARATHY,**  
Vice Principal,  
Coordinator,  
DBT - Star College Scheme

**Dr. G. SANJEEVI,**  
Head & Associate  
Professor of Mathematics  
Dean & Controller of Examinations

**Sri. M. NAGARAJ,**  
Convener

**Dr. C. RAJAN,**  
Organizing Secretary

**Dr. R. KALAIVANAN,**  
Treasurer

**INAUGURAL FUNCTION**

DATE : 21.03.2022                      TIME : 9.45 AM

Prayer : OM SAHANAVAVATHU

Welcome Address : Dr.G.SANJEEVI,  
HOD & Dean and  
Controller of Examinations.

Presidential Address : Dr.T.VENKATESAN,  
Principal,  
Vivekananda College.

Blessings : SWAMI VEDANANDA,  
Secretary, Vivekananda College.  
SWAMI ADHYATMANANDA,  
Kulapathi, Vivekananda College.

Vote of Thanks : Sri.M.NAGARAJ,  
Assistant Professor of Mathematics,  
Vivekananda College.

Prayer : SARVAE BAVANTHU

Master of Ceremony : Sri.C.VELMURUGAN,  
Assistant Professor of Mathematics,  
Vivekananda College.

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Tiruvedakam West, Madurai - 625234, Tamilnadu

**DEPARTMENT OF MATHEMATICS**

**ORGANIZES**

**FIVE DAYS STATE LEVEL WORKSHOP**  
ON  
**VEDIC MATHEMATICS**  
(UNDER DBT - STAR COLLEGE SCHEME)

**21<sup>st</sup> - 25<sup>th</sup> March, 2022**

**VENUE : AUDIO VISUAL HALL**

**VALEDICTORY FUNCTION**

DATE : 25.03.2022                      TIME : 3.15 PM

Valedictory Address : Dr.V.Parthasarathy,  
Vice Principal,  
Coordinator,  
Certificate Distribution : DBT - Star College

**ALL ARE CORDIALLY INVITED**

For the past four decades we organized State Level workshop on Vedic Mathematics in our department for the benefit of the students of various schools and colleges in and around the district. In this year also, we organized Five Days State Level Workshop on Vedic Mathematics under DBT Star College Scheme (Offline) at our college premises from 21<sup>st</sup> to 25<sup>th</sup> March, 2022.

On 21.03.2022 @ morning 09.45 am, we inaugurated this workshop. It started with our usual prayer. Dr. G. Sanjeevi, Head of the department welcomed the gathering. Dr. T.Venkatesan, Principal, delivered the presidential address. In each day, Mr. M.Nagaraj, Assistant Professor, introduced the resource persons.

On 25.03.2022 @ 12.00 noon, we conducted valedictory function. **Dr.G.Sanjeevi**, Head of the department welcomed the gathering and explained needs and importance of this workshop. **Dr.V.Parthasarathy**, Coordinator, DBT – Star College Scheme delivered valedictory addresses and distributed the certificates to all the participants. **Dr.C.Rajan**, Assistant Professor of Mathematics proposed vote of thanks. This workshop concluded with our usual prayer.

**Mr.M.Nagaraj**, Assistant Professor of Mathematics coordinated all the activities of this workshop with the support of faculty members and student volunteers.

#### ABOUT THE RESOURCE PERSONS:

The following persons acted as resource persons and presented the techniques of the Vedic Mathematics as per the schedule given below.

<b>Day</b>	<b>Resource Person</b>
Day – 1 Monday 21.03.2022	<b>Mr.R.Jayabalan</b> , Former Vice Principal, Vivekananda College Madurai District President, Seva Bharati, Tamilnadu
Day – 2 Tuesday 22.03.2022	<b>Mr.K.Vinoba</b> , State Education Coordinator, Seva Bharati, Tamilnadu.
Day – 3 Wednesday 23.03.2022	<b>Mr. D. Patchaiappan</b> , Tech Lead, Virtusa software Pvt. Ltd., Chennai.
Day – 4 Thursday 24.03.2022	<b>Mr.M.Nagaraj</b> , Assistant Professor of Mathematics, Vivekananda College.
Day – 5 Friday 25.03.2022	<b>Mr.C.Mayilvahanan</b> , Senior Principal, Sairam Vidyalaya, Madipakkam, Chennai.

#### TOPICS TO BE COVERED:

<b>Day</b>	<b>Topics to be covered</b>
Day – 1 Monday 21.03.2022	History of Vedic Mathematics, Salient Features, Formulae, Sutras & Subsutras, Addition & Subtraction using Nikhilam sutram, fast multiplication by 11
Day – 2 Tuesday 22.03.2022	Multiplication by Urdhavtrigbhyam sutram, Vinculum sutram, Nikhilam sutram, multiplication of numbers consisting of all 9s, multiplication of numbers nearest to the base 10,100,1000 and multiplication of numbers with sub base 50,500,5000
Day – 3 Wednesday 23.03.2022	Meaning of Ekadhiken Sutram and its applications in finding squaring of numbers ending in 5, square by Yavdunam thavadunikritya vargamcha yojyet sutram, squaring by Dwandvayoga sutram, squaring numbers nearest 50
Day – 4 Thursday 24.03.2022	Square roots of perfect square, general method of square roots, squares by Anurupeyana Sutram, cubes by Anurupeyana sutram

Day – 5  
Friday  
25.03.2022

Polynomial, Change of Roots, Partial Fractions, Binomial, Powers, Divisibility

### ABOUT THE PARTICIPANTS:

We invited various college and school students through mail, whatsapp and postal nearby Institutions. In this Five days State Level Workshop on Vedic Mathematics, the students from various schools and colleges, participated and practiced the techniques of Vedic Mathematics. In this workshop, nearly 400 students got benefited.

Sl. No.	Name of the College / School	Participants Count
1	Vivekananda Matric Hr.Sec.School, Sholavandan	168
2	Vivekananda Hr.Sec.School, Tiruvedakam West	45
3	Kamarajar Matric Hr.Sec.School, Sholavandan	16
4	ANJAC College, Sivakasi	6
5	Madurai Kamraj University	1
6	Other departments, Vivekananda College	42
7	Mathematics department, Vivekananda College	85

Convener  
(M.NAGARAJ)

Head of the Department  
(Dr.G.SANJEEVI)

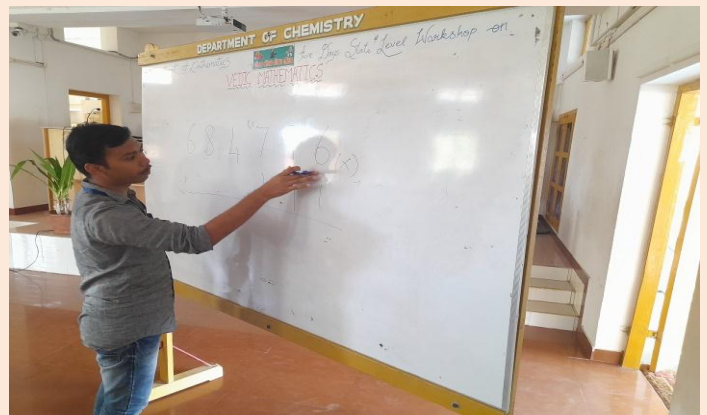
## DAY-1 (MARCH 21, 2022)





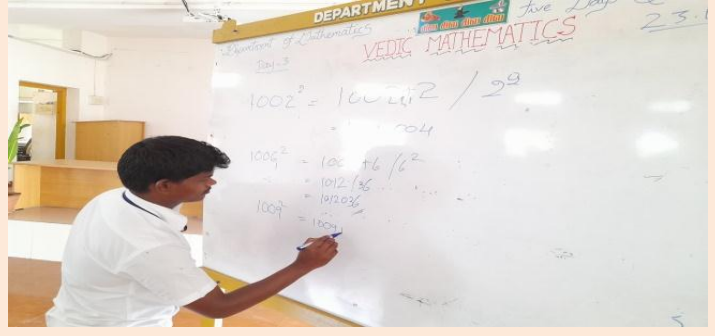
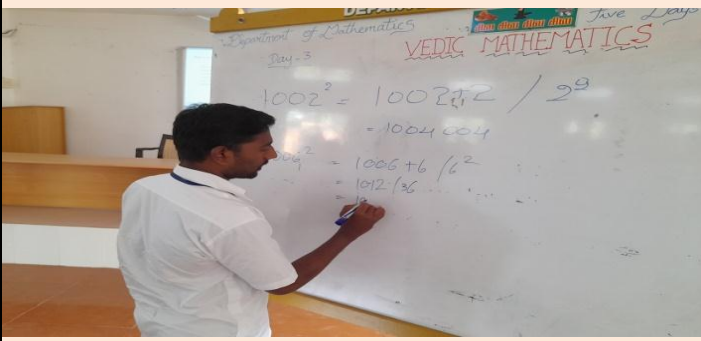


## DAY-2 (MARCH 22, 2022)





## DAY-3 (MARCH 23, 2022)



## DAY-4 (MARCH 24, 2022)







## DAY-5 (MARCH 25, 2022)



