

CAREER DEVELOPMENT CENTRE



Date: 22/08/2021

NOTICE- Academic Year (2021-22)

VEDIC MATHEMATICS

VAT: 22

All the students of School of Physical Sciences & School of Liberal Arts and Management are hereby informed that a workshop on “Vedic Mathematics” is scheduled from 1<sup>st</sup> September 2021 in Vish-101- Seminar Hall.

The details are as follows:

COURSE	SoPS & SoLAM
TIMINGS	4 PM-5 PM(Monday to Friday)
COURSE DURATION	32 Hours
ORGANISING DEPARTMENT	Career Development Centre

**Objective:** To become proficient in mental calculation and Numerical Ability.

*Gaurav Singh*  
Mr. Gaurav Singh  
(Head- CDC)  
Head, CDC  
Career Development Cell  
DIT University, Dehradun

To:

All Dean / Director / Head of Department

Chairman

Chancellor

Vice Chancellor

Pro Vice Chancellor

Manager Admin

HR Department

} For information please

*Kunag*  
Registrar  
DIT University, Dehradun

**Date:** 22<sup>nd</sup> Aug 2021

**VEDIC MATHEMATICS  
VAT: 22**

The Vedic Mathematics training was conducted for students of SoPS & SoLAM , the venue for the training was DIT University **Vishweshwara-101 Seminar hall**, and the targeted students for the training were those who had to be skilled for fast calculation in their domain, it was conducted by the Career Development Centre, the main trainer for the training was **Mr. Vibhor Sharma (Aptitude Trainer- CDC)** . Duration of the course was 32 hrs. (1<sup>st</sup> September 2021 to 28<sup>th</sup> September 2021)

**Objective:**

Vedic Math can be considered as a new and emerging sector in India. Vedic math is all set to become popular and a boon for students. The future and scope of Vedic Math is very wide and given time it will only shine bright. CDC (Career Development Cell) is organizing a 5 days' workshop on Vedic Mathematics. Find the details below:

**Course Schedule:**

Branch/Year	SoPS & SoLAM
Organizer Department	Career Development Centre
Date	19 <sup>th</sup> August to 23 <sup>th</sup> August 2019
Course Duration	30 Hours
Timings	Slot 1: 10:00 A.M.-1:00 P.M (SoPS) Slot 2: 2:00 P.M. – 5:00 P.M. (SoLAM)
Venue	Vish-101-Seminar Hall
Course Coordinator	Mr. Vibhor Sharma
Coordinator contact Id	aptitude.trainer2@dituniversity.edu.in

  
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**Description:**

Vedic Mathematics is the name given to the ancient system of Indian Mathematics which was rediscovered from the Vedas between 1911 and 1918 by Sri Bharati Krsna Tirthaji (1884-1960). According to his research all of mathematics is based on sixteen Sutras, or word-formulae. The Vedic Math course is sought after in the academic circuit and has been made after the author's long experience of teaching over 4 million students in the subject across the globe.

*Can you multiply  $998 \times 997$  in five seconds?*

Learn High Speed Vedic Mathematics which will enable you to calculate much faster compared to the conventional system. You will be able to do seemingly difficult calculations like  $998 \times 997$  in split seconds which will make a remarkable difference to your confidence and self esteem. Your calculation skills will improve, you will be able to perform better and you will exuberate confidence which will blow people away.

The scope of the area which Vedic Mathematics covers is much larger than the other systems. Through Vedic Math you can do calculations in Arithmetic, Algebra and even Trigonometry for that matter and simplify and speed up calculations.

**Training Outcome:-**

- You will be learning how to speed up Multiplication, Division, Addition, Subtraction, How to find squares in less than 5 seconds, Cubes, find Cube Roots in 3 seconds flat, Find Square Roots, Sharpen your skills of Algebraic Equations and do it mentally, Learn Divisibility rules for every number in the number system, Speed up concepts of Geometry, Find out Divisibility rules for every number in the number system, Calendars and much more. This system will change your paradigm about mathematics and you will be able to enjoy it more than you ever did.
- By the end of each topic you will have a better understanding of the Mental Math Method being explained.
- You will be able to calculate 10-15 times faster than before!





- Develop your left and the right side of the brain by increasing the visualization and concentration abilities.
- Have Fun with Math! Get rid of your Math Phobia.
- Become a Human Calculator yourself!

### **Who should opt the training?**

- Math Teachers + Working Professionals
- Student across all the program, who want to improve their calculation skills
- Entrepreneurs
- Math Enthusiasts

### **Course Outline:**

#### 1. HOLISTIC MATHS

Course overview, history of our number system. 10-point circle, Completing 10s, addition. Mental addition from left to right

#### 2. COMPLETING THE WHOLE

Early history of VM. Looking for 10s in addition, including adding columns  
Using addition and subtraction together

#### 3. DOUBLING AND HALVING

Number splitting: doubling and repeated doubling.  
Math's teaching. Halving and repeated halving

#### 4. CREATIVE MATHS

Improvising and extending the multiplication tables  
Multiplying and Dividing by 5, 50, 25

#### 5. A MAGIC NUMBER

Digit sums, 9-point circle, casting out nines. Digit sum puzzles and divisibility by 3,9,6,15



6. CHECKING IT OUT

Checking with digit sums. Checking with first and last figures / Vedic Square

7. THE INVISIBLE NUMBER

Calculating left to right. Doubling & halving / Finger maths

8. SUBTRACTION

Recent history. Subtraction-left to right. Checking subtractions

9. EXPLAINING VEDIC MATHS

Questions on Vedic Maths. Combining/comparing fractions

10. ALL FROM 9 AND THE LAST FROM 10

Subtraction. Bar numbers

11. THE POWER OF NEGATIVE THINKING

Using bar numbers for subtraction. Number splitting

12. ANOTHER MAGIC NUMBER

Multiplication by 11. Divisibility by 11 and a 'digit sum' check

13. COHERENT MATHS

General multiplication and reverse. Algebraic multiplication and its reverse

14. MATHEMAGICS

Multiplying numbers near 100. Proofs

15. NUMBER PATTERNS

Using Proportion to extend base multiplication

Multiplying near base 10, and multiples of 10

16. THINK OF A NUMBER

Use of transposition in solving word puzzles. Solving equations

17. SPECIAL AND GENERAL

Some special multiplication devices

18. SPECIAL DIVISION

Dividing by 9, 8, 11 etc. Algebraic division

19. NATURAL MATHS



The Sutras. Calculating areas. Temperature conversions. Spotting the obvious

20. DEMONSTRATIONS

Advice on structuring a talk

21. GENERAL MULTIPLICATION

Extending the Vertically and Crosswise method

22. SQUARES AND ROOTS

Squaring 2-figure numbers and binomials. Square root of a perfect square

23. TRIPLES

Triple notation and addition. Rotations with triples

24. GENERAL SQUARING

The duplex, Squaring numbers of any size. Algebraic squaring

25. THE CROWNING GEM

Straight division. How to choose your remainder. Decimalizing the remainder

26. STRAIGHT DIVISION

Extending straight division to 3-figure divisors. Negative flag digits. Changing the numbers. Two figures or more on the flag

27. MASSIVE MULTIPLICATIONS

Multiplying numbers near high bases. Squaring near a base

Multiplying numbers near different bases

28. COORDINATE GEOMETRY

Equation of a line through two given points. Equation of a line through a given point and parallel or perpendicular to a given line

29. SQUARE ROOTS

The general method

30. CALCULUS

Solving quadratic equations by two methods. Comparison of some

Vedic and conventional methods

31. RECURRING DECIMALS

From left to right and from right to left



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### 32. SPECIAL NUMBERS

An easy kind of multiplication and special numbers  
Their application in making recurring decimals easier

### 33. DIVISIBILITY

The osculation process

### 34. TRIPLE GEOMETRY

Triple subtraction and applications

### 35. LEFT TO RIGHT

Written calculations from left to right

### 36. COMBINING CALCULATIONS / THE VALUE OF pi

Calculating from the left. Sanskrit and Pi

#### **Training Outcome-**

#### **How High Speed Vedic Math can help you:**

- You would be learning how to speed up calculations which are stumbling blocks in mathematics. These concepts will help you in your studies for the university examinations and also for the entrance examinations you will be facing in your life.
- Eradicates fear of Math completely. So if you have Math-Phobia High Speed Vedic Math is a Fun-Filled way to do Math and arises interest.
- Sharpens your mind, increases mental agility and intelligence.
- Increases your speed and accuracy. Become a Mental Calculator yourself.
- Improves memory and boosts self-confidence.
- Cultivates an Interest in you for numbers.
- Develops your left and right sides of your brain hence using intuition and innovation. It has been noted that Geniuses have been using the right side of the brain to achieve exceptional results.



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## Annexure - II

### Value added course Details (Academic Year: 2021-22)

VAT Course Name: Vedic Mathematics

VAT Code: VAT 22

Duration in Hours: 32

Number of Students Enrolled: 78

Number of Students Completed: 75

**Grades:**

**G= GOOD ; S = Satisfactory ; P = Poor ; W = Withdraw**

Student ID	Student Name	Program/Course	Year	Passing Grade
190921001	SAMARTH ARORA	Bachelor of Arts (Hons)in English	3rd Year	G
191149001	TANUJA LATWAL	Bachelor of Arts (Hons)in English	3rd Year	S
191172012	KHYATI BAMBA	Bachelor of Arts(Hons) in Economics	3rd Year	S
191172013	APARNA DAHIYA	Bachelor of Arts(Hons) in Economics	3rd Year	S
191172014	GAURI BISHT	Bachelor of Arts(Hons) in Economics	3rd Year	G
191172015	AKASH RAWAT	Bachelor of Arts(Hons) in Economics	3rd Year	G
191172016	KIRAT KAUR	Bachelor of Arts(Hons) in Economics	3rd Year	G
181148024	SIDHARTH SISODIA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
190102147	KHUSHI SHARMA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148001	MEGHA RAWAT	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148002	AAYUSHI DHARMENDRA AGARWAL	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148003	DHANRAJ DHAKAD	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148004	BHANU YADAV	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148005	PRERANA	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148006	SAMBHRANT THAKUR	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148007	LAVANYAA RANA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148008	AYUSH CHANDRA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148009	JAHANVI BHATIA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148010	TAVLEEN KAUR	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148011	NIHARIKA KHANDURI	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148012	SAJAL SHARMA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148013	SHREYA DUBEY	Bachelor of Arts(Hons) in Psychology	3rd Year	P
191148014	NANDINI SAINI	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148015	ASIF HUSSAIN	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148016	PREETI RANA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148017	RIYA GUPTA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148018	DIPALI MEHTA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148019	BAMANG AMY	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148020	NEHA GOLA	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148021	JAANVI HARNAL	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148022	PRIYAMVADA BHARGAVI	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191148023	MISBAH IMRAN	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148024	JATIN KHURANA	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191148026	YUVRAJ KHICHER	Bachelor of Arts(Hons) in Psychology	3rd Year	S
191182001	AYUSHI CHAMOLI	Bachelor of Arts(Hons) in Psychology	3rd Year	G
191075001	RUPAL MAMGAIN	Bachelor of Science (Hons) in Chemistry	3rd Year	P
191075002	AMAN LAKHERA	Bachelor of Science (Hons) in Chemistry	3rd Year	G
191075003	PALAK KAMPANI	Bachelor of Science (Hons) in Chemistry	3rd Year	G
191075004	TANU BAKSHI	Bachelor of Science (Hons) in Chemistry	3rd Year	G
191075005	VAISHNAVI RANA	Bachelor of Science (Hons) in Chemistry	3rd Year	S



191075006	RIYA GREWAL	Bachelor of Science (Hons) in Chemistry	3rd Year	G
191075007	AARTI BHATT	Bachelor of Science (Hons) in Chemistry	3rd Year	S
191075008	SAHIB TYAGI TYAGI	Bachelor of Science (Hons) in Chemistry	3rd Year	S
191075009	BHARAT UPADHYAYA	Bachelor of Science (Hons) in Chemistry	3rd Year	S
191075011	RASHMI SINGH	Bachelor of Science (Hons) in Chemistry	3rd Year	G
191075012	RITIKA SINGH	Bachelor of Science (Hons) in Chemistry	3rd Year	G
191075013	HIMANI SAHU	Bachelor of Science (Hons) in Chemistry	3rd Year	G
191075014	PRATEEK PARASHAR	Bachelor of Science (Hons) in Chemistry	3rd Year	G
191075015	AWANTIKA JOSHI	Bachelor of Science (Hons) in Chemistry	3rd Year	G
191073001	SHUBHAM KUMAR	Bachelor of Science (Hons)in Maths	3rd Year	S
191073002	MEGHA BISHT	Bachelor of Science (Hons)in Maths	3rd Year	G
191073003	ATUL RAWAT	Bachelor of Science (Hons)in Maths	3rd Year	S
191073004	RIYA ANAND	Bachelor of Science (Hons)in Maths	3rd Year	S
191073005	RIYA BHATT	Bachelor of Science (Hons)in Maths	3rd Year	S
191073006	MANAVI RAUTHAN	Bachelor of Science (Hons)in Maths	3rd Year	G
191073008	APOORVA SHARMA	Bachelor of Science (Hons)in Maths	3rd Year	G
191073009	SIMRAN PANWAR	Bachelor of Science (Hons)in Maths	3rd Year	G
191073010	SHEFALI THAPA	Bachelor of Science (Hons)in Maths	3rd Year	G
191073013	SWAPNIL KUMAR SINGH	Bachelor of Science (Hons)in Maths	3rd Year	G
191073014	BALJEET KAUR	Bachelor of Science (Hons)in Maths	3rd Year	S
191073015	NETRIKA CHHETTRI	Bachelor of Science (Hons)in Maths	3rd Year	G
191073016	SANSKRITI KAMBOJ	Bachelor of Science (Hons)in Maths	3rd Year	S
191073017	SANIYA JAIN	Bachelor of Science (Hons)in Maths	3rd Year	S
191073018	AYUSHMAAN SINGH	Bachelor of Science (Hons)in Maths	3rd Year	S
191073019	KAMAKSHI GOEL	Bachelor of Science (Hons)in Maths	3rd Year	G
191073020	AKRITI RATURI	Bachelor of Science (Hons)in Maths	3rd Year	G
191073021	PIYUSH MISHRA	Bachelor of Science (Hons)in Maths	3rd Year	G
191073022	KUNJIKA BISHT	Bachelor of Science (Hons)in Maths	3rd Year	G
191073023	DIVY SHARMA	Bachelor of Science (Hons)in Maths	3rd Year	G
191073024	VIHAAN SINGH ARORA	Bachelor of Science (Hons)in Maths	3rd Year	S
191073025	KIRANJOT KAUR	Bachelor of Science (Hons)in Maths	3rd Year	G
191073026	GAURAV SAGTA	Bachelor of Science (Hons)in Maths	3rd Year	P
191073027	ISHITA GOEL	Bachelor of Science (Hons)in Maths	3rd Year	S
191074015	AFFAN HASHMI	Bachelor of Science (Hons)in Physics	3rd Year	S
191074016	FALGUNI SHARMA	Bachelor of Science (Hons)in Physics	3rd Year	G
191074017	AYUSH SHARMA	Bachelor of Science (Hons)in Physics	3rd Year	G
191074018	AKSHAT KUKSHAL	Bachelor of Science (Hons)in Physics	3rd Year	G
191074019	ANIRUDH LAKHERA	Bachelor of Science (Hons)in Physics	3rd Year	G

Submitted  
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