CAREER DEVELOPMENT CENTRE

DIT UNIVERSITY
IMAGINE ASPIRE ACHIEVE

Date: 22/08/2019

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 **2nd 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

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VEDIC MATHEMATICS
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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. (2nd September 2019 to 30th September 2019)

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	2nd September 2019 – 30th September 2019
Course Duration	30 Hours
Timings	Slot 1: 10:00 A.M.-12:00 P.M (SoPS) Slot 2: 2:00 P.M. – 4:00 P.M. (SoLAM)
Venue	Vish-101-Seminar Hall
Course Coordinator	Mr. Vibhor Sharma
Coordinator contact Id	aptitude.trainer2@dituniversity.edu.in

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).

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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 x 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 x 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!

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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

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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

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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

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

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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: 2019-20)

VAT Course Name: Vedic Mathematics

VAT Code: VAT 22

Duration in Hours: 32

Number of Students Enrolled: 63

Number of Students Completed: 63

Grades:	G= GOOD ; S = Satifactory ; P = Poor ; W = Withdraw			
Student ID	**Student Name**	**Program/Course**	**Year**	**Passing Grade**
171075018	NIKITA BAJAJ	BSc-CHE	3rd Year	G
171075005	PURVA BHATT	BSc-CHE	3rd Year	S
171073001	AASTHA PURI	BSc-MAT	3rd Year	S
171074001	CHITRANGAD SHUKLA	BSc-PHY	3rd Year	S
171075013	AYUSH RAI	BSc-CHE	3rd Year	G
171075010	MANSI GAUTAM	BSc-CHE	3rd Year	S
171073002	DEVISH CHOPRA .	BSc-MAT	3rd Year	G
171172007	RAHUL SINGH TIWARI	BA-ECO	3rd Year	S
171172006	ASHUTOSH KHATRI	BA-ECO	3rd Year	S
171172005	RAHUL RAI	BA-ECO	3rd Year	S
171172004	SUPRIYA BHANDARI	BA-ECO	3rd Year	S
171074007	DIVYA SINGH	BSc-PHY	3rd Year	G
171074004	MRINALINI SHARMA	BSc-PHY	3rd Year	S
171075007	RIYA MASCARENHAS	BSc-CHE	3rd Year	S
171172018	PRABHAV .	BA-ECO	3rd Year	G
171075008	APURVA GAMBHIR	BSc-CHE	3rd Year	G
171075014	SHAHANA PARVEEN	BSc-CHE	3rd Year	S
171074002	SHUBHAM SINGH NEGI	BSc-PHY	3rd Year	G
171075017	PRACHI PANT	BSc-CHE	3rd Year	S
171074005	AKSHANSH NEGI	BSc-PHY	3rd Year	S
171172010	AARUSHI KUMAR	BA-ECO	3rd Year	S
171172001	SHREYA SHARMA	BA-ECO	3rd Year	G
171172002	ANIKET KUMAR SINGH	BA-ECO	3rd Year	S
171075012	UJJWAL KANDPAL	BSc-CHE	3rd Year	G
171073013	VRINDA MAKKER	BSc-MAT	3rd Year	S
171075015	AYUSH KUMAR CHAUHAN	BSc-CHE	3rd Year	S
171073003	SOMYA SHARMA	BSc-MAT	3rd Year	S
171172011	ARUNIMA .	BA-ECO	3rd Year	S
171075002	NIHARIKA PUNDIR	BSc-CHE	3rd Year	G
171073010	PRATIBHA RAWAT	BSc-MAT	3rd Year	S
171172016	TANYA AGARWAL	BA-ECO	3rd Year	S
171172003	KM ANURADHA .	BA-ECO	3rd Year	S
171073009	AKHILESH KUNWAR	BSc-MAT	3rd Year	G
171073007	SANJOLI SAHNI	BSc-MAT	3rd Year	S
171075009	PRIYAMVADA SHARMA	BSc-CHE	3rd Year	S
171074003	JOANNA LANCE	BSc-PHY	3rd Year	G
171075006	CHHAVI SHARMA	BSc-CHE	3rd Year	S
171073015	SHUBHAM BIST	BSc-MAT	3rd Year	S
171075003	NEHA OLI	BSc-CHE	3rd Year	S
171074008	PRAJWAL SHARMA	BSc-PHY	3rd Year	G

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171073004	ADITEE ARORA	BSc-MAT	3rd Year	S
171073011	NITIN ASWANI	BSc-MAT	3rd Year	G
171172013	DOREMI BALA	BA-ECO	3rd Year	S
171172008	NIDHI CHOUDHARY	BA-ECO	3rd Year	S
171073005	KARTIKEYA CHITKARIA	BSc-MAT	3rd Year	S
171073014	VANSHIKA CHAWLA	BSc-MAT	3rd Year	S
170102333	DEV NARAYAN UNIYAL	BSc-PHY	3rd Year	G
171075016	KOMAL SHARMA	BSc-CHE	3rd Year	S
171075011	MOHD. AZHAR BADSHASH	BSc-CHE	3rd Year	S
171073008	RINKI .	BSc-MAT	3rd Year	G
171073012	AKANSHA AHUJA	BSc-MAT	3rd Year	G
171073017	PRABHU RANA	BSc-MAT	3rd Year	S
171172009	DIVYA JUGRAN	BA-ECO	3rd Year	G
171172012	NAMAN VERMA	BA-ECO	3rd Year	S
171075020	AYESHA .	BSc-CHE	3rd Year	G
171074011	ARIBA KHAN	BSc-PHY	3rd Year	S
171172021	ANSHU RAWAT	BA-ECO	3rd Year	S
171172019	SUHANA NAAZ	BA-ECO	3rd Year	S
171172023	ASHISH KANWAR	BA-ECO	3rd Year	G
171172024	VIMAL RANA	BA-ECO	3rd Year	S
171073018	RAKSHIT MONGA	BSc-MAT	3rd Year	G
171074013	AKASH DEEP AWASTHI	BSc-PHY	3rd Year	S
171172025	SANJANA VERMA	BA-ECO	3rd Year	S

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