



**WORKSHOP  
ON  
VEDIC MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**CH. CHARAN SINGH UNIVERSITY,**

**MEERUT, UTTAR PRADESH (INDIA)**

**IS ORGANIZING**

**SEVEN DAYS**

**WORKSHOP**

on

**Vedic Mathematics**

**22-28 August, 2022**

Ancient Indian Wisdom of Mathematics includes the following areas –

1. Vedic Mathematics
2. Ancient Indian Mathematics
3. Indian Chronology

**Objectives:**

1. Facilitates a habit of analytical thinking and measured approach towards any problem.
2. Eradicates the fear of Mathematics and instills confidence.
3. Improves calculation speed and numerical skills.
4. Provides an insight into ancient Indian mathematics.
5. Useful for everyone to sharpen the brain  
– students, professionals, teachers, parents, and the young and old.

A verse is prevalent since ancient times.

यथा शिखा मयूराणां नागानां मणयो यथा। तद्वद् वेदांगशास्त्राणां गणितं मूर्धनि स्थितम्।  
— याजुष ज्योतिषम्

### About Vedic Mathematics

India has produced many mathematicians whose discoveries have benefitted the world. One such mathematician was Swami Bharati Krishna Tirtha (1884 – 1960). As a student of the Vedas from 1911 – 1918, he stumbled upon few Sutras (aphorisms or word-formulae). After extensive research on these sutras, he reconstructed 16 Sutras and 13 Up-sutras using which numerical calculations can be done in simpler and faster ways. In Vedic Mathematics, unlike the conventional methods, there are many ways to arrive at a solution for a problem. This gives us the liberty to choose the technique most convenient for us. This is the beauty of Vedic Mathematics; it can be understood easily by people of any calibre. It enhances the ability to approach and solve any mathematical problem.

Vedic Mathematics is a blessing to everybody in this day and age when people's numerical skills are deteriorating as the use of calculators is increasingly commencing at a younger age. Vedic Mathematics' shorter, quicker and easy to remember techniques enable any student to do calculations faster than they would with conventional methods. Students of Vedic Mathematics dispel their fear of mathematics and gain a new-found confidence to work on any mathematical problem without apprehension. This Vedic Mathematics course aims to promote the traditional knowledge of Mathematics mastered by the mathematicians of ancient India.

## **About the City**

Historical evidences predict that the Meerut city may have derived its name from 'Mayarashtra', the capital of the kingdom of Mayasura, Mandodari's father and Ravana's father-in-law. The city bears testimony to the great rebellion of 1857, the first war of independence. It is an ancient city located approximately 64km north-east of New Delhi, the capital of India. It has one of the biggest army garrisons/cantonments of the country. It is famous for its scissors, sports goods and gazak. The city boasts of some very important historical as well as cultural heritage sites like Augharnath Temple, Shaheed Smarak, Surajkund, Gandhi Bagh, Dogra Temple, Shri Shantinath Digamber Jain Temple, St John's church, Pura Mahadev Temple, Hastinapur the capital of Pandavas in Mahabharata, Vidur ka Tila, Draupadi Ki Rasoi, Srangirishi Ashram, Gandhari Taal and many more.

## **About the University**

Ch. Charan Singh University (CCSU), Meerut was established in 1965, under UP Universities Act 1965, as Meerut University to cater to the needs of higher education in Western Uttar Pradesh. It was later renamed as Chaudhry Charan Singh University in the name of the former Prime Minister of India, Ch. Charan Singh. It was the first University in the country to introduce M. Phil. programme. In the University campus there are several regular and self-financed graduate, post-graduate and Ph.D. programs in the faculty of Science, Arts, Law, Commerce and Business Administration, and Agriculture. This University is first who offered P.G. Diploma course in Vedic Mathematics Since 2018. It has a vast and beautiful 221-acres campus in a pollution-free environment, having vast playgrounds and experimental fields, botanical gardens, gymnasium, indoor stadium, well equipped automated library, hostels for both girls and boys, spacious auditoriums, guest house, community center and health center, Life-size statues of the late Prime Minister Ch. Charan Singh and Swami Vivekananda, add on pride and beauty to the campus

## **Department of Mathematics**

From the day of its inception in 1969, Mathematics Department of CCSU has been an important force in the academics and a key part of University's educational mission. The Department was established with a motive to help deepen student's insights into the subject and produce vibrant and dynamic community of perfect scholars. Till the date it is continuing with its aims by producing able graduates of perfect scholars. The Department has made its own mark in the field of Mathematics Education. It has a well-equipped laboratory for working in Mathematics Education having several innovative educational games, charts, models and filmstrips. In addition, Department also runs one-year Diploma course in Vedic Mathematics. Notably there is a MoU between Tokyo University of Science, Japan and CCSU, Meerut under which, the students and faculty of three Departments Chemistry, Physics and Mathematics will have an academic exposure to visit and study in Tokyo University of Science, Japan.

**Patron**

**Prof. Sangeeta Shukla**

Vice-Chancellor

Chaudhary Charan Singh University Meerut

**Co-Patron**

**Prof. Y. Vimala**

Pro-Vice-Chancellor

Chaudhary Charan Singh University, Meerut

**Prof. M.K Gupta**

Dean, Faculty of Science  
Chaudhary Charan Singh University

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Department of Mathematics  
Chaudhary Charan Singh University

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Department of Mathematics  
Chaudhary Charan Singh University

**Joint Organizing Secretary**

**Dr. Soniya Gupta**

Department of Mathematics,  
INM(PG) College, Meerut  
Chaudhary Charan Singh University

**Rashmi Yadav**

Department of Mathematics  
Chaudhary Charan Singh University

## Keynote Speakers

1. **Dr. Kailash Vishvakarma** , BNPG College Rath Hamirpur (U.P.)
2. **Dr.Sriram Chauthaiwale** , Amolakchand College Yavatmal (MH)
3. **James Glover**, Institute for the Advancement of Vedic Mathematics (U.K.)
4. **Dr. Ved Veer Arya**, DRDO (Delhi)
5. **Dr. Anupam Jain**, Devi Ahilya University, Indore (M.P)
6. **Dr. Anuradha Gupta**, University of Delhi, (New Delhi)
7. **Dr. Gajendra Pratap Singh**, JNU, (New Delhi)
8. **Dr. Vrajesh Khambholja**, Toronto (Canada)
9. **Dr. Omkar Lal Srivastava**, G.K.R.P.G. College (Chhattisgarh)
10. **Prof. Ashish Arora**, I. K. Gujral Punjab Technical University (Punjab)
11. **Dr. Sanjay Deshpande**, B.B.M. Amgaon Gondia (Maharashtra)
12. **Swati Dave**, Institute for the Advancement of Vedic Mathematics (U.K)
13. **Shri Anil Kumar**, SSUN (Delhi)
14. **Dr. Komal Asrani**, BBD NIIT, (Lucknow)
15. **Tejas Kulkarni, Vagyajnyakulam** (Pune)
16. **Dr. Prashant Sharma**, Govt. Polytechnic Gondia (Maharashtra)
17. **Dr. Nidhi Handa**, Gurukul Kangari University, (Haridwar)
18. **P. Devraj**, Cosmic Maths (Kerala)
19. **Prof. Prajakati Ghokhale**, IAVM, (Pune)
20. **Dr. Rajesh Thakur**, DIET Daryaganj (Delhi)
21. **Prof. N. Uday Kiran**, S.S.S.I.H.L. (Andhra Pradesh)
22. **Dr. Rakesh Bhatia**, BOSE (Haryana)

## Organizing Members

**Ms. Dipti**

CCSU MEERUT

**Ms. Monika Rani**

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**Ms. Vaishali**

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**Ms. Rewa Nanchahal**

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## Registration Details

[https://docs.google.com/forms/d/e/1FAIpQLSfiUNMpXQnCW\\_PhmFi21EQTzcEyqziWiUFv7pWJiQcep1nfw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfiUNMpXQnCW_PhmFi21EQTzcEyqziWiUFv7pWJiQcep1nfw/viewform?usp=sf_link)

### *Deadline for Registration*

*August 20, 2022*

*Registration Fee: 500 Rupees*

### *Mode of Payment*

Bank Name: Indian Bank, CCS University, Meerut  
A/C Name: Main SB Account, CCS University, Meerut  
A/C no: 20195822291  
IFSC Code: IDIB 000M690

**This Workshop will be conducted in hybrid mode.**