



**DR. C. V. RAMAN UNIVERSITY, KOTA, BILASPUR (C.G.)  
DEPARTMENT OF MATHEMATICS**

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**REPORT  
ON  
ONE DAY NATIONAL SEMINAR ON: VEDIC MATHEMATICS AND ITS  
FUNDAMENTALS**

(Date: 01<sup>st</sup> June 2022)

**Introduction:**

**ONE DAY NATIONAL SEMINAR ON VEDIC MATHEMATICS AND ITS FUNDAMENTALS** was organized by the Department of Mathematics, Dr. C. V. Raman University on 01<sup>st</sup>, June 2022 with the collaboration of **GOVT. JAJWALYADEV NAVEEN GIRLS COLLEGE JANJGIR.**

The aim of the seminar is to bring attention on Vedic Mathematics. Vedic mathematics offers an intuitive and interesting way to teach and learn mathematics and provides a fresh insight into our number system. This will provide a platform for exchange of ideas regarding the new research findings and new ideas in the areas of Vedic Mathematics and to discuss the practical challenges encountered in the different domains of applications and the solutions adopted thereto. Further, it will provide an opportunity to enhance collaboration among researchers not only from the various parts of the country. This Seminar will consist of invited lectures sessions. The main emphasis will be on the vibrant implicational aspects of Engineering and Science. Total registered participants 57 and 01 talks were delivered by eminent Speakers.

### **Inauguration Ceremony:**

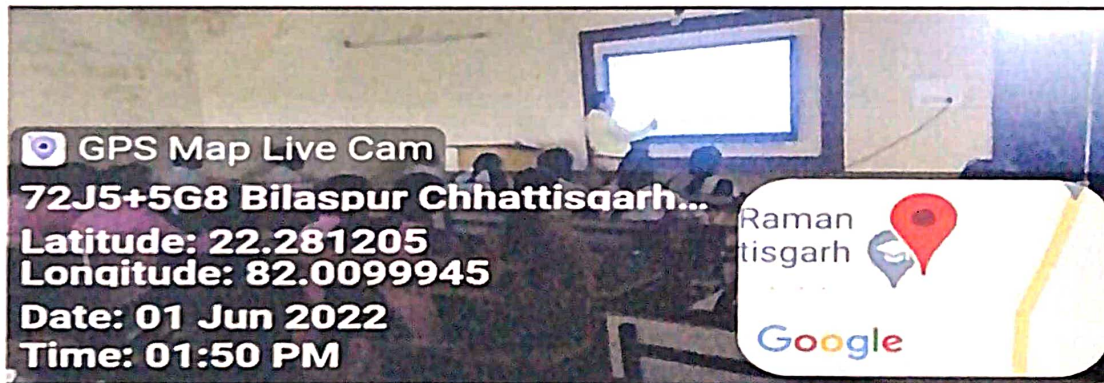
This national seminar was inaugurated by Honorable **Prof. (Dr.) R. P. Dubey** (Chair-Person) Vice-Chancellor Dr. C. V. Raman University (C.G), **Dr. C .S. Rathore**, Govt. Jajwalyadev naveen girls college janjgir. **Shri Gaurav Shukla**, Registrar, Dr. C. V. Raman University, Bilaspur (C.G), and **Prof. (Dr.) A. K. Thakur**, Convener of the Seminar, Dr. C. V. Raman University, Bilaspur (C.G). The welcome address was given by Prof. (Dr.) S. K. Tiwari. In his welcome address, he emphasized the importance of conducting national seminar and how effectively researchers can be made use of this. He stressed the need for Indians to have their own assessment of the Indian tradition in mathematics and other traditions too. Shri Gaurav Shukla, Registrar, delivered the special guest address. He remarked about the achievements made by CVRU and also encourages the department members of Mathematics in his speech. Professor and Dr. Anil Kumar has shared his experience in various projects related to Mathematics, especially in terms of entrepreneurship. Dr. A. K. Shrivastava, Dean, proposed the vote of thanks at the end of the Inaugural function. The event witnessed two invited talks by eminent Professor of our Country.

### **Technical Session:**


This session was held at 12:00 pm on June 01<sup>st</sup>, 2022 and was chaired by **Dr. C .S. Rathore** .In his session he explained an old system of mathematics called Vedic mathematics has 16 formulae (sutras). These are straightforward techniques for making quick mental computations. It has been the focus of a lot of research due to its applicability in fields including engineering, astronomy, and mathematics. Vedic mathematics facilitates more rapid and precise mental computations. This 16 sutras and the 13 sutras above. Only using mental calculations can one

answer any challenging equation in addition, division, multiplication, algebra, trigonometry, square, square root, cube, or cube root. The world is changing and growing more quickly than ever before. Vedic mathematics can speed up mental calculations and shorten the time needed to solve challenging mathematical problems in competitive exams like UPSC, GPSC, CET, GATE, JEE, and many more. By making arithmetic simpler, Vedic mathematics also allays schoolchildren's academic anxieties and helps them rediscover their passion in math.

**Valedictory Ceremony:** This session was held during 3.45 pm on June 01<sup>st</sup>, 2022. This is being followed by the valedictory session in which Honorable **Prof.(Dr.) R. P. Dubey** (Chair-Person) Vice-Chancellor Dr. C. V. Raman University (C.G), **Dr. C .S. Rathore** , **Shri Gaurav Shukla**, Registrar, Dr. C. V. Raman University, Bilaspur (C.G) and **Prof.(Dr.) A. K. Thakur**, Convener of the Conference, Dr. C. V. Raman University, Bilaspur (C.G). At last, Dr. A. K. Shrivastava Dean of Science, proposed the vote of thanks at the end of the program.



  
**Jajwalydev Naveen Kanya**  
Mahavidyalaya  
Janjgir Champa (Chhattisgarh)

  
HEAD  
Department of Mathematics  
Deptt of Mathematics  
Dr. C.V. Raman University  
Kota, Bilaspur (C.G.) 3

Dr. C.V. Raman University, Kota Bilaspur				
Department of Mathematics Session-2021-2022				
Program Name: Vedic Mathematics and its fundamentals				
Participant Guest Lecture Student Details				
S.No.	Name of student	Enrolment No.	Programme	Signature
1	Aanand Singh Rajput	CV52032009047	M.Sc.	Aanand
2	Buddha Lal Singh Rajput	CV52032009046	M.Sc.	Buddha
3	Avishek Singh Rajput	CV52032009045	M.Sc.	Avishek
4	Chandani Kaushik	CV2101804682	M.Sc.	Chandani
5	Nidhi Kaushik	CV52032009716	M.Sc.	Nidhi
6	Preetpal Singh	CV52032009600	M.Sc.	Preetpal
7	Lupesh Nishad	CV2101804639	M.Sc.	Lupesh
8	Shadab Khan	CV52032010233	M.Sc.	Shadab
9	Sanjana Jaiswal	CV52032010942	M.Sc.	Sanjana
10	Manisha Soni	CV52032010345	M.Sc.	Manisha
11	Pooja Sonwani	CV52032010071	M.Sc.	Pooja
12	Sipra Patel	CV52032009831	M.Sc.	Sipra
13	Menaka Jaiswal	CV5101700923	M.Sc.	Menaka
14	Dhanesh Kumar Kashyap	CV52032009426	M.Sc.	Dhanesh
15	Satish Kumar	CV52032010893	M.Sc.	Satish
16	Sonu Rajak	CV52032010785	M.Sc.	Sonu
17	Santoshi Rathore	CV52032010721	M.Sc.	Santoshi
18	Pallishree Nanda	CV52032010706	M.Sc.	Pallishree
19	Priya Sharma	CV5101700918	M.Sc.	Priya Sharma
20	Sangeeta Baghel	CV52032010528	M.Sc.	Sangeeta
21	Nikita Biswal	CV52032010975	M.Sc.	Nikita
22	Neha Kesharwani	CV52032010772	M.Sc.	Neha
23	Vikas kumar Chauhan	CV5101700885	M.Sc.	Vikas
24	Suraj Bandhle	CV51032009829	B.Sc.	Suraj
25	Sushant Mahant	CV51032010839	B.Sc.	Sushant
26	Yobha Singh	CV51032009986	B.Sc.	Yobha
27	Daminee Dewangan	CV51032008935	B.Sc.	Daminee
28	Raghuveer Singh Birko	CV51032008308	B.Sc.	Raghuveer
29	Md Saeed Anwar	CV51032010676	B.Sc.	Md Saeed
30	Ajay Kumar	CV51032008130	B.Sc.	Ajay
31	Rishabh Jangade	CV51032007858	B.Sc.	Rishabh
32	Vaishali Chandrakar	CV51032010573	B.Sc.	Vaishali
33	Mukesh Chandrakar	CV51032009960	B.Sc.	Mukesh
34	Manisha Patle	CV51032007930	B.Sc.	Manisha
35	Priya Jaiswal	CV51032009627	B.Sc.	Priya
36	Manish Sahu	CV51032008964	B.Sc.	Manish
37	Swapnil Nirmalkar	CV51032008230	B.Sc.	Swapnil
38	Rahul Kashyap	CV51032007882	B.Sc.	Rahul
39	Dhinakaram	CV51032009755	B.Sc.	Dhinakaram
40	Shruti Netam	CV5101905600	B.Sc.	Shruti
41	Ajay Singh Rajput	CV5101906157	B.Sc.	Ajay Singh
42	Amit Singh Kshatri	CV5101906737	B.Sc.	Amit
43	Harsh Gauraha	CV5101906161	B.Sc.	Harsh
44	Varsha Sahu	CV5101905840	B.Sc.	Varsha

*Handwritten signature in blue ink.*

H.O. Officer  
 Deptt. of Mathematics  
 Dr. C.V. Raman University,  
 Kota, Bilaspur

45	Bhanu Ram Sahu	CV5101906193	B.Sc.	Bhanu
46	Pranshu Sharma	CV5101906662	B.Sc.	P.Sharma
47	Ashish Sahu	CV5101905310	B.Sc.	Ashish
48	Abhay Kumar Sahu	CV5101905744	B.Sc.	Akshay
49	Rahul Sahu	CV5101905866	B.Sc.	Rahul
50	Mayank Pathak	CV5101905568	B.Sc.	Shubham
51	Shubham Kumar	CV5101905849	B.Sc.	Mayank
52	Sameer Shrivastava	CV5101905865	B.Sc.	Sameer
53	Ajay Mohale	CV5101905726	B.Sc.	B. Prakash
54	Bhanu Pratap Kashyap	CV5101905728	B.Sc.	Bhanu Pratap
55	Disha Tripathi	CV5101905654	B.Sc.	Disha
56	Vaishali Pandey	CV5101907420	B.Sc.	Vaishali
57	Jai Prakash Patel	CV5101906626	B.Sc.	Jai Prakash

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Ref. No./CVRU/Maths./Out.7/2022

Date: - 28/05/2022

## NOTICE

All the students are hereby informed that Department of Mathematics, Dr. C. V. Raman University, Kota, Bilaspur(C.G), is going to organize one day Seminar on 01-06-2022, on the topic "Vedic Mathematics and its fundamentals".

Therefore, it will be mandatory for all UG and PG students and faculty members to attend this event. Timing is 11:00 am.

Dr.A.K.Thakur  
(Professor & Head)  
Dept. of Mathematics  
Dr.C.V.Raman University,Kota ,BSP(CG)  
Mob:99774304  
Email: [drakthakurmath@gmail.com](mailto:drakthakurmath@gmail.com)

Chief Patron

Shri Santosh Choubey Ji  
Hon'ble Chancellor

Patron

Dr. R. P. Dubey  
Hon'ble Vice-Chancellor

Co-Patron

Dr. Jyoti Mitra

Hon'ble Pro- Vice-Chancellor

Chairman

Shri Gaurav Shukla, Registrar

Convener

Dr. A.K. Thakur

Co-Convener

Dr. Shantanu Bhaumik

Organising Secretary

Dr. Hiral Raja

Dr. Ashutosh Pardey

Dr. M. Z. Khan

Dr. Rakesh Kumar Yadav

Organising Committee

Mr. P. L. Yadav

Mrs. Yamini Yadav

Resource Person:

❖ **Dr. C.S. Rathore**

Assistant Professor, Govt.  
Jaiwalyadev Naveen Girls college  
Janjgir (C.G.)



One Day National Seminar

On

**VEDIC**

**MATHEMATICS  
AND ITS  
FUNDAMENTALS**

Date: 1<sup>st</sup> June 2022



Organized by

Department of Mathematics & IQAC,  
Govt. J.N.Girls College, Langir

Sponsored by

Indian Association of Physics teacher  
(IAPT)

**DR. C.V. RAMAN UNIVERSITY**

Kargil road, Kota, Bilaspur, (C.G.)  
(Accredited with B+ Grade by NAAC)

## ABOUT THE UNIVERSITY

Emerging as an educational hub in Chhattisgarh and located in the backward tribal region of Kota, Bilaspur, Dr. C.V. Raman University redefined the perception of Higher education in terms of its quality, quantity and accessibility. The university is seeking new vistas of wisdom and knowledge to stand out distinctly apart. Established on 3rd of November 2006, CVRU has not spared any effort in transforming itself into a global educational hub, which has carved a niche for its own. Dr. C.V. Raman University owes the responsibility to explore the new domains of knowledge and seeks the new insights in creating significant competitive environment. Apart from its renowned research programmes of M. Phil and Ph.D. the University undertakes regular degrees of UG and PG in faculties of Science, Arts, Engineering, IT, Law, Education, Physical Education, Journalism- Mass Communication, Commerce & Management Studies. It is among one of the educational institutes of Central India imparting high quality education and training through and acclaimed centre of research and consultancy.

## DEPARTMENT MATHEMATICS

The Department of Mathematics started in 2007 performing important leading role to spread education in India. Presently in the department two parallel streams are running: The Pure Mathematics & Applied Mathematics Stream.

## AIM AND SCOPE

The aim of the seminar is to provide a platform for young researcher by discussing new thoughts and ideas in mathematics with applications in different fields of Science & Technology. The thrust area of conference is analysis & applications but it is open to all fields of Mathematics.

## HOW TO REACH CVRU

<b>By Air:</b> From any airport to Raipur Airport, 04:00 hour drive to campus from Raipur airport.
<b>By Train:</b> Nearest Railway station are Kargi road station & Bilaspur Station
<b>By road:</b> 50 minutes drive from Bilaspur. 40 minutes drive from Sakri. 30 minutes drive from Raipur.

## ADDRESS FOR CORRESPONDENCE

Dr. C. V. Raman University, Kargi Road, Kota,  
Bilaspur-495113, Chhattisgarh.  
Contact:- Ph. 07753-253801, Mo. 8819923774  
E-mail:- [akthakur@cvru.ac.in](mailto:akthakur@cvru.ac.in).

## PROGRAMME SCHEDULE:

<b>01-06-2022</b>	
10.00 a.m - 10.30 a.m	Inaugural
10.30 a.m - 10.45 a.m	Tea
10.45 a.m - 12.30 p	Lecture (1 <sup>st</sup> Session ) <b>Dr. C.S.Rathore</b>
12.30 p.m - 02.00 p.m	Lunch
02 p.m - 03.30 p.m	Lecture (2 <sup>nd</sup> Session ) <b>Dr. C.S.Rathore</b>
03.30 p.m - 03.45 p.m	Tea
03.45 p.m	Valedictory

## REGISTRATION FORM

Name of the Participant (In Capital):

Qualification:

Designation:

Affiliation:

Department:

Mobile Number:

Email Id:

Filled registration form must reach on  
[akthakur@cvru.ac.in](mailto:akthakur@cvru.ac.in)

**Last Date: 26—May -2022**