

**Two days workshop on Indian Mathematics  
September 13, 2019**



**TWO DAYS WORKSHOP  
ON**

# **INDIAN MATHEMATICS**

**SEPTEMBER 13-14, 2019**

**ORGANISED  
BY**

**THE MATHEMATICAL SOCIETY  
DEPARTMENT OF MATHEMATICS  
CENTRAL UNIVERSITY OF HIMACHAL PRADESH,  
TAB-SHAHPUR**

## **REPORT OF THE WORKSHOP**

Department of Mathematics is organized Two days workshop on INDIAN MATHEMATICS w.e.f. September 13, 2019 to September 14, 2019 for the students of Mathematics. The resource persons for this workshop were:

1. **Professor Krishna murthi Rama Subramanian**, Cell for the Indian Science and Technology in Sanskrit, Department of Humanities and Social Sciences, Indian Institute of Technology Bombay, India
2. **Professor Clemency Montelle** School of Mathematics and Statistics, University of Canterbury, Christchurch, New Zealand

The basic purpose of this program was to acquaint the students with the evolution of mathematical concepts in ancient India, the contributions of Indian mathematicians in ancient/Vedic mathematical and astronomical fields, and to connect them with the modern aspects of mathematics. It is also expected to obtain measures for the collection of such literature and discuss pertinent future research problems in the history of Indian mathematics. This workshop is very useful in linking the ancient/Vedic Indian mathematical contributions with modern mathematics, and in the exploration of Indian mathematical documents that have never been studied.

The schedule of the program was as under:

### **September 13, 2019**

Inaugural: 09:00 AM – 09:30 AM

Mathematical Rangoli – 09:30 AM – 10:00 AM

Model/Poster presentation -10:00am – 11:00 AM

Tea Break – 11:00 AM to 11:15 AM

PI-DIGIT contest – 11:15 am to 12:15 PM

Refreshment Break – 12:15 PM to 01:00 PM

Lecture 1: KR - An overview of Indian mathematics and introduction to Śulbasūtras  
(01:00 PM – 02:30 PM)

Lecture 2: CM - Geometrical construction in the Śulbasūtras (02:30 PM – 03:30 PM)

Tea Break: 03:30 PM – 03:45 PM

Lecture 3: KR - The Mathematics of Poetry: Pingala's Chandassastra (03:45 PM – 05:15 PM)

September 14, 2019

Lecture 4: KR - Mathematics in poetry & Combinatorics (09:00 AM – 10:30 AM)

Lecture 5: CM - Selected examples of mathematical poetry (10:30 AM – 11:30 AM)

Tea Break: 11:30 AM – 11:45 AM

Lecture 6: KR - Study of series in India (11:45 AM – 01:15 PM)

Lunch Break: 01:15 PM - 02:00 PM

Lecture 7: CM - Introduction to trigonometry in India (02:00 PM – 03:00 PM)

Tea Break: 03:00 – 03:15 PM

Lecture 8: KR - The computation of Sines (03:15 PM – 04:15 PM)

Valedictory: 04:15 PM – 05:15 PM

## MEDIA COVERAGE



पंजाब केसरी

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IV www.punjabkesari.in कांगड़ा केसरी

# भारतीय गणित पर कार्यशाला संपन्न

धर्मशाला, 14 सितम्बर (ब्यूरो): हिमाचल प्रदेश केंद्रीय विश्वविद्यालय के गणित विभाग, टैब साहपुर में गणित विभाग के विद्यार्थियों के लिए भारतीय गणित पर 2 दिवसीय कार्यशाला का समापन हो गया। डॉ. रकेश और डॉ. सचिन श्रीवास्तव ने बताया कि प्रथम सत्र में प्रो. के. रामासुब्रमणियन, आई.आई.टी. बॉम्बे द्वारा संस्कृत मंत्रों एवं छंदों के सृजन में द्विगुण, अष्टाधारी और दशमलव संख्या प्रणाली प्रयोग को विस्तार से समझाया गया। समापन सत्र की अध्यक्षता प्रो. भागचंद चौहान अधिष्ठाता द्वारा की गई। विभिन्न विभागों के अध्यापकगण और विद्यार्थी इस कार्यशाला में मौजूद रहे। कार्यक्रम का संचालन डॉ. रकेश और डॉ. सचिन श्रीवास्तव द्वारा किया गया।

धर्मशाला : कार्यशाला के समापन होने के उपरांत विद्यार्थी व विभिन्न विभागों के अध्यापक सामूहिक चित्र में।

Attendance sheet for the two days workshop on INDIAN  
MATHEMATICS September 13-14, 2019

Pre-Lunch Session

Dated:14-09-2019

Sr. No.	Roll No.	Name of the Candidate	Present/Absent
1	CUHP18IAM01	ABHINANDAN	P
2	CUHP18IAM02	AMIT	P
3	CUHP18IAM03	ANITA	P
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27	CUHP19IAM27	VIKRANT DHARWAL	P
28	CUHP19IAM28	VISHAB KAUNDAL	P
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