

Second Announcement

National Conference on

History and Recent Trends of Mathematics

(NCHRTM-2017)



Organized by

Department of Mathematics

Balmeeki Campus, Nepal Sanskrit University (NSU)

June 2-4, 2017 (Jestha 19-21, 2074)



in collaboration with

Tribhuvan University (TU), Kathmandu University (KU)

and

Nepal Mathematical Society (NMS)

Venue: Balmeeki Campus, Nepal Sanskrit University, Exhibition Road, Kathmandu

Introduction:

Mathematics is said to be the Queen of Sciences. No wonder, as there is hardly any branch of knowledge devoid of mathematics. From a cattle census to satellite-imaging technology, everything flourishes in the courtyard of mathematics. This omnipresence of mathematics was not alien to the ancient people who lived on the river banks of the Saraswati and the Sindhu. They expressed it in a beautiful language. The *Vedangajyotisam* states:

*Yathasikhamayuranam, Naganammanayoyatha /
Tadvadvedangasastranam, Ganitammurdhanisthitam //*

How could such a magnificent position be attributed to this subject at a time when all the other five branches were in their pristine glory, in full bloom, vast and deep as an ocean? The only logical conclusion to be drawn is that ganitam (mathematics) had also attained such perfection. And what was the need for such intellectual luxuries as science and mathematics for those nomads sitting around the fire, praying to the lord of natural forces, the forces of fire, air, water, thunder and lightning, out of sheer fear? Though they were mostly forest-dwellers, living on mere roots and fruits, their enlightened souls kept the fire of knowledge burning, a knowledge which knew no barriers. They could penetrate deep into the subtler regions and into hidden truths, formulate principles, and illustrate mechanisms in beautiful language. These people who realised the ultimate forms of knowledge are known as rsis and the Sanskrit verses that they wrote took the form of the Vedas. There, hidden behind the metrical syllables, sprung the basic tenets of the life sciences both physical and spiritual.

Being an exact science, it seems to be abstract in nature; however it penetrates all fields of human endeavor. The classical mathematics is essential to have strong foundation and mathematical modeling is the art of applying mathematics to a real world problem with the purpose to understand the problem better and for real implications. The modern era belongs to the rapid invasion of mathematics in almost all disciplines; be it science or humanities or medicine or literature. As a result, the need of “*Applied Mathematics*” has grown quite up. The growth of several topics in Applied Mathematics is significantly fast and ideally the curriculum across universities/ institutes should get update at the same pace. Unfortunately, this is not always feasible and consequently, the students are deprived of the exposure of those emerging areas and they feel handicapped when it comes to teaching and /or research on those topics. Keeping in view of this fact, the present seminar has been proposed.

Nepal Sanskrit University, the then Mahendra Sanskrit University established in 1986 under Mahendra Sanskrit Act 2043, was established with the objectives to systematize Sanskrit education up to higher level, to preserve and promote its achievements, and develop Nepal into a centre for learning Sanskrit language and literature. Nepal Sanskrit University aims at producing qualified scholars to safeguard national culture and produce competent men power in Aurveda, Jyoutisha, Yogic Sciences, and naturopathy along with Sanskrit Scholars to meet the national and international need. NSU runs classes in modern subjects like Nepali, English, Economics, Mathematics, Political Science and Pure science keeping view with the demand of time and need of the country. Research Center, a separate wing to carry research works, has been set up in

Kathmandu which runs PhD programs along with mini researches. Currently, there are 9 candidates involving in mathematics in different disciplines of Sanskrit related subjects.

Balmeeki Campus a constituent college of NSU runs various classes from Uttarmadyma level to Acharya level in various disciplines in Sanskrit related subjects with some modern subjects including mathematics and statistics. There are some subjects like SiddhantaJyotisham which is full of geometry and mathematics.

Mathematics Teaching Group:

Department of mathematics bears total 7 faculties with 5 associate professors and one lecturer in pure mathematics and one associate professor in statistics. It has a Department of SiddhantaJyotisham where theoretical astrology which is full of mathematics and geometry offers undergraduate and graduate level courses.

This conference is aimed for the graduates who are willing to initiate research activities and can be a valuable resource person for the nation. Some researchers have already completed their PhD courses which concerns mathematics. Some researchers are perusing researches in mathematics related subjects. This seminar will play an important role to promote inter-disciplinary research activities in NSU.

Scope:

The participants will get an opportunity to be familiar with basic concepts and developments of classical as well as modern mathematics. They can get a platform to interact with each other, share knowledge, exchange views and discuss the topics of these thrust areas of mathematics.

This workshop aims at:

- 1) training a group of young scientists/ faculties in the above mentioned areas.
- 2) acquainting the participants in the recent developments in these areas.
- 3) bringing a few experts together to interact.

Scientific Program with Course Contents:

The speakers are the leading experts in their respective fields. The focus areas have been identified as ancient numeral system, history of mathematics and recent developments in mathematics. The conference has been divided into TWO sessions:

Morning Session I: **8:00 AM-12:30 PM**, and Afternoon Session II: **1:30 PM-4:45 PM**.

Invited Speakers:

- 1) Prof. Dr. Ram Man Shrestha
- 2) Prof. Dr. Shanker Raj Pant
- 3) Prof. Dr. Sambaraj Acharya
- 4) Prof. Dr. Hom Nath Bhattarai
- 5) Prof. Dr. Bhadra Man Tuladhar
- 6) Prof. Dinesh Raj Pant
- 7) Prof. Dr. Santosh Man Maskey
- 8) Prof. Dr. Kedar Nath Uprety
- 9) Prof. Dr. Tanka Nath Dhamala

- 10) Prof. Dr. Prakash Muni Bajracharya
- 11) Prof. Dr. Kanhaiya Jha
- 12) Dr. Bal Chandra Luitel
- 13) Dr. Eka Ratna Acharya

Eligibility:

The participants in this seminar is open to varied categories such as Master's and M. Phil. students, young faculties/scientists and research scholars. The number of participants is limited only to **50-60**. However, academically sound and relatively young candidates will be given higher priority for the selection.

Call for Abstracts:

The conference will try to cover all aspects of the history mathematical. Interested participants are invited to submit their abstracts **not exceeding 200 words** indicating clearly the objectives. **Abstract must include:** Title of the paper, full address of author(s) including e-mail of the speaker, the main abstract and key words.

Important Dates:

Submission deadline of abstract: **May 18, 2017 (Jestha 4, 2074).**

Authors can submit their abstract electronically via e-mail to the Convener:

Dr. Dinesh Panthi (nchrtm@gmail.com)

Mobile Number: +977 9841288132

Venue:

The seminar will be in-house, intensive and full time by experts from Nepal. The venue of the seminar is in the premises of NSU, Balmeeki Campus which is located at Exhibition Road in the heart of Kathmadu Metropolitan.

Accommodation:

The registered delegates are suggested to manage the accommodation on his/her own by booking appropriate hotel through online services. One can also request to the coordinator of the local organizing committee,

Mr. Krishna Kanta Parajuli (kknmparajuli@gmail.com, +977-9841302491),

for the management of the accommodation.

Registration Fees:

Faculties: NPR 2500

Students*: NPR 1500

Foreign Participants:

- (1) **SAARC Countries**
 - (a) **India: IC 3000**
 - (b) **Others: USD 100**
- (2) **Other Countries: USD 200**

The registration fee includes conference kits, lunches, refreshments. It does not include transportation, accommodation and dinner. Deadline for registration is **May 20, 2017 (Jestha 6, 2074)**. After this date, additional NPR 1000 is charged for registration. *Valid student ID must be shown for student at the registration.

Mode of Payment:

Payment is to be made by the participant through **bank draft**:

Bank: Rastria Banijya Bank, Singhdarwar Branch

Account Holder: Kishor G + Krishnakant P + Dinesh P

Current Account Number: 113004989810

One can also contact the Conference Secretary

Mr. Jeevan Kafle (jkafle@student.ku.edu.np, +977-9851114577).

Sponsorship:

The sponsorship is solicited from University Grants Commission Nepal (**UGC**), Nepal Sanskrit University (**NSU**), Nepal Mathematical Society (**NMS**), Nepal University Teacher's Association (**NUTA**), Central Department of Mathematics Tribhuvan University (**TU**), Kathmandu University (Mathematics Group), Nepal Mathematical Trust.

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REGISTRATION FORM

(Please complete and return this form on or before **May 20, 2017 (Jestha 6, 2073).**)

Name (Block letter):

Designation:

Area of Interest:

Institution:

Mailing Address:

Telephone/ Mobile Number:

Fax Number:

E-mail:

Willing to present a paper: Yes/ No

If yes, title of the paper:

Abstract Submitted: Yes/ No

Signature of Applicant

Date: _____

CONFERENCE ADDRESS:

Postal: Central Department of Mathematics, Balmeeki Campus, Exitibition Road, Kathmandu.

Please send the complete registration from together with a copy of payment receipt for registration either by post or through e-mail to Conference Secretary Mr. Jeevan Kafle (jkafle@student.ku.edu.np, +977-9851114577).