



Newsletter

नेपाल गणित समाज

NEPAL MATHEMATICAL SOCIETY

Established in 2035 BS (1979 AD)

www.nms.org.np

Issue No. 19, May 2023

Editorial

It is our immense pleasure to share that the Nepal Mathematical Society (NMS) has published its 19th issue of the Newsletter on the occasion of its 45th anniversary. This issue highlights the major activities of NMS, and its valued life members from the first date of Baishakh, 2079 to the end of Chaitra, 2079 (April 14, 2022 - April 13, 2023).

NMS is being involved actively in various mathematics-related activities with the objective of building the capacity of the mathematical academia in Nepal, and popularizing mathematics in the Nepalese society. This Newsletter incorporates the activities carried out by the NMS in this period, including the capacity building workshops, and scientific talk series. It also includes the academic and research activities of our valued life members, a short biography of Prof. Dr. Shailendra Kumar Mishra, and an important interview of Prof. Dr. Prakash Muni Bajracharya. A complete list of the life members of NMS has also been incorporated at the end of the Newsletter.

We are thankful to you all who have supported us academically, financially, and in many other ways, and we also hope the same in the years to come.

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Message from the President

Dear Valued NMS Members,

It is a great honor for me to congratulate all the valued mathematicians, commemorating the 45th anniversary of the Nepal Mathematical Society (NMS), and launching its newsletter of Issue No. 19, 2023 on this occasion.

It has been a special honor and privilege for me to undertake the responsibility as the president of NMS for three years (2022-2024) tenure since December 2021.

On behalf of NMS and its executive committee, I would like to acknowledge and appreciate the enthusiasm, dedication, and contribution paid by the past executive committee and subcommittee members, and all the valued life members in making the NMS dynamic and vibrant among the Nepalese Mathematical community by organizing programs at the national and international levels. We are also dedicated to bring significant improvements in teaching, learning, and research in Mathematics and Mathematics education at both school and university levels.

NMS, founded in 1979, is one of the oldest and a pioneering scientific and professional societies in Nepal. Currently, NMS has 1,094 life members and it organizes programs to promote mathematical research and education, thereby contributing to science and technology in Nepal.

Last year, NMS organized several talks with national and international mathematicians. We are continuing to conduct NMS-ANMA Talk Series and CDM-NMS Talk Series every month to share knowledge in teaching, learning, and research in Mathematics and Mathematical Sciences.

NMS has been continually conducting the Analysis and Algebra Workshop Series via online mode to enable mathematicians to revisit and update knowledge in respective fields from basic to advanced research. NMS EC committee expresses sincere thanks and a special acknowledgment to the facilitators, experts, and NMS subcommittee members for their enthusiasm and contributions to making the program successful. This year, in collaboration with the Central Department of Mathematics, Tribhuvan University (TU); Department of Mathematics, School of Science, Kathmandu University (KU); Department of Mathematics ValmEEKI Campus, Nepal Sanskrit University (NSU), and Purbanchal University (PU), NMS organized a three days National Conference on Mathematics and Its Applications (NCMA-2022). We also organized capacity building workshop on the contents of Grade 11 and 12 with special focus on curriculum, teaching, and evaluation.

NMS has published Volume 5 Issues 1 and 2 of the *Journal of Nepal Mathematical Society* (JNMS). The NMS EC committee acknowledges and extends appreciation to all the authors, reviewers, and editorial board members for their time and support for this challenging work.

NMS and its provincial committees likewise conducted *Mathematics in the Street* program in Kathmandu Valley and in all seven provinces for the general public. NMS and its Province Committees celebrated International Mathematics Day (Pi Day) in all the provinces with the theme -Mathematics for Everyone.

This year NMS, Association of Nepalese Mathematicians in America (ANMA), Central Department of Mathematics, Tribhuvan University(TU), Department of Mathematics, Kathmandu University(KU) are jointly organizing the Third International Conference on Applications of Mathematics to Nonlinear Sciences (AMNS-2023), in Pokhara, Nepal, on May 25-28, 2023.

This year, we have launched a new multi-year 'Society to Society (S₂S)' project with the funding support of Nick Simons Foundation, USA. The objective of the project is to uplift mathematics as a discipline in universities and schools in the face of a rapidly decreasing enrollment of students and high failure rates in mathematics in schools and universities. Under the S₂S program, we have developed a comprehensive training manual for capacity building of local level mathematics teachers at schools and colleges and training a pool of dedicated trainers to work in the provinces and municipalities. We have successfully completed a series of workshops and Training of Trainers in content, pedagogy, and project-based learning among mathematics teachers at schools and colleges. NMS invites relevant stakeholders such as the elected local authorities, education offices at the municipality, province, and central level, and policymakers for effective implementation of the S₂S project as well as to ensure the application of the project outcomes in the educational institutions.

Finally, on behalf of NMS, I extend my appreciation to everyone for encouraging our activities and giving us your valuable ideas, suggestions, and feedback. Our special appreciation also goes to our chief donor Nick Simons Foundation for funding NMS's multiple projects including scholarships to Masters, MPhil, and PhD students, to capacity building workshops, and the recently launched Society to Society project.

Sincerely yours
Prof. Dr. Narayan Prasad Pahari
President, NMS

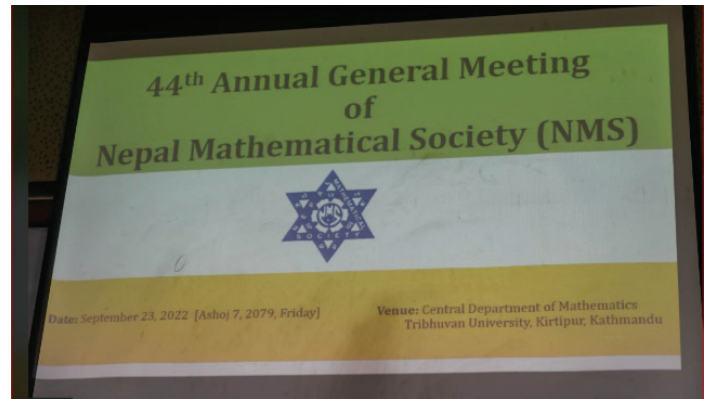
NMS 44th Anniversary Celebration

Nepal Mathematical Society (NMS) celebrated its 44th anniversary at the Central Department of Mathematics (CDM), Tribhuvan University (TU), Kirtipur on Jestha 7, 2079 (May 21, 2022). The Rector of Tribhuvan University Prof. Dr. Shiva Lal Bhusal was the chief guest. In the program, six Master's students of Mathematics received the Nick Simmons fellowship and four recent Ph.D scholars were awarded tokens of appreciation for their PhD degrees in Mathematics. NMS felicitated Prof. Dr. Shailendra Kumar Mishra for his life time contributions to Mathematics. Dr. Shankar Raj Pant Research Award was given to Ms Gauri Bhujju. Dr. Tara Prasad Banjade and Ms. Gauri Bhujju presented their research works during the program. The NMS newsletter (Issue 18) and the two issues of Journal of Nepal Mathematical Society (JNMS) were launched at the program.



NMS 44th General Assembly

The 44th General Assembly of Nepal Mathematical Society was held at CDM, TU on Asoj 7, 2079. It was presided by the vice president of NMS Dr. Shree Ram Khadka. The Dean, School of Science, Kathmandu University Prof. Dr. Janardan Lamichhane was the chief guest of the inaugural session, and he expressed his commitment to join hands in the activities of the society. During the program, various scholarships were distributed to students of mathematics. The NMS annual reports presented by Secretary Dr. Parameshwari Kattel and Treasurer Ms. Anjana Pokhrel were approved by the meeting.

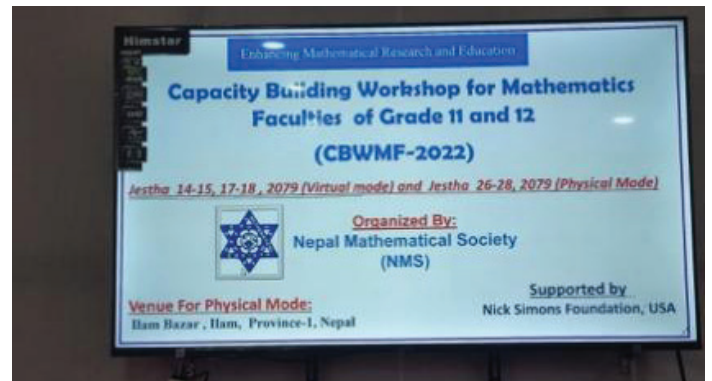


Capacity Building Workshop for Mathematics Faculties (CBWM-2022) in Kathmandu and Ilam

NMS scheduled a Capacity Building Workshop for Mathematics Faculties of Grade 11 and 12 supported by Nick Simmons Foundation on Jestha 14-17, 2079 (May 28-31, 2022) in online mode, and in physical presence on Jestha 26-28, 2079 (June 9-11, 2022) in Ilam. The workshop focused on the following themes.

1. Curriculum and Curricular Materials
2. Mathematics Teaching Using ICT
3. Project work in Mathematics
4. Core Course Discussions
5. Assessments in Mathematics
6. Tackling Multiple Choice Questions (MCQs) in Mathematics





Capacity Building Workshop for Mathematics Faculties of Grade 11 and 12

14 – 17 Jeshtha, 2079 (28 – 31 May, 2022) : Virtual Mode
26 – 28 Jeshtha, 2079 (09 – 11 June, 2022): Face-to-Face Mode in Ilam

Curriculum and Curricular Materials	Requirements
Mathematics Teaching Using ICT	• NMS life membership • Registration in NCMA 2022 (https://www.nms.org.np/notice.html) • Institutional recommendation
Project Work in Mathematics	Application form → https://forms.gle/jp4yAemHSXpYXEB
Core Course Discussions	Deadline → Jeshtha 5, 2079 (May 19, 2022)
Assessment in Mathematics	Contact → Dr. Jeevan Kafle, Coordinator NMS Talk Series and Workshop Subcommittee (nmsworkshops@gmail.com)
Tackling MCQs	

Organized by: Nepal Mathematical Society (NMS)



The program was inaugurated by Mr. Ana Prasad Neupane, Director General of the Curriculum Development Center (CDC). In his inaugural address, Mr. Neupane applauded the NMS for conducting such important workshops helping the faculties to gain in-depth knowledge and skill in the concerned subjects. Prof. Dr. Narayan Prasad Pahari, the President of NMS, chaired the session with a remark that the workshop would strengthen the quality of the teaching and learning of mathematics and build the capacity of the teachers involved in the workshop. The workshop series included esteemed facilitators, with the respective topics:

Virtual mode

- Workshop-1:** Jeshtha 14, *Project Writing in Mathematics for Grade XI & XII* (Prof. Dr. Prakash Muni Bajracharya)
- Workshop-2:** Jeshtha 14, *Computational Method-I* (Dr. Puskar Raj Pokharel)
- Workshop-3:** Jeshtha 14, *Current Scenario of Secondary (Classes 11 & 12 Mathematics Curriculum of Nepal)* (Dr. Bishnu Hari Subedi)
- Workshop-4:** Jeshtha 14, *Evaluation: +2 Perspective* (Dr. Shree Ram Khadka)

- Workshop-5:** Jeshtha 14, *Algebra* (Mr. Keshab Raj Phulara and Prof. Dr. Prakash Muni Bajracharya)
- Workshop-6:** Jeshtha 15, *Sequence and Series, Matrix and Determinant, System of Linear equation* (Mr. Baburam Chapagain)
- Workshop-7:** Jeshtha 15, *Tackling MCQs in Mathematics* (Dr. Parameshwari Kattel)
- Workshop-8:** Jeshtha 15, *Vector* (Dr. Pawan Karna)
- Workshop-9:** Jeshtha 15, *Computational Method-II* (Dr. Puskar Raj Pokharel)
- Workshop-10:** Jeshtha 15, *Algebra* (Prof. Dr. Prakash Muni Bajracharya and Keshab Raj Phulara)
- Workshop-11:** Jeshtha 15, *My Experience on Evaluation of Class XI Answer sheets in Mathematics: ongoing trend and Improvements* (Prof. Dr. Chet Raj Bhatta)
- Workshop-12:** Jeshtha 16, *Probability and Statistics* (Dr. Manoj Raut)
- Workshop-13:** Jeshtha 16, *Mechanics* (Dr. Sontosh Ghimire)
- Workshop-14:** Jeshtha 16, *Analytical Geometry (Straight Lines, Pair of Lines)* (Dr. Neelam Subedi and Dr. Kaji Prasad Ghimire)
- Workshop-15:** Jeshtha 18, *Trigonometry* (Prof. Dr. Raju Ram Thapa and Dr. Pawan Karna)
- Workshop-16:** Jeshtha 18, *Evaluation in Grading system* (Dr. Durga Jang KC)
- Workshop-17:** Jeshtha 18, *Differentiation and Integration* (Prof. Dr. Narayan Parsad Pahari)

Physical Mode

- Workshop-18:** Jeshtha 26, *Evaluation: +2 Perspectives* (Dr. Shree Ram Kadaka)
- Workshop-19:** Jeshtha 26, *Linear Programming Problem* (Dr. Hari Nandan Nath)
- Workshop-20:** Jeshtha 26, *Analytical Geometry (Conic Section)* (Dr. Kaji Prasad Ghimire and Dr. Neelam Subedi)
- Workshop-21:** Jeshtha 26, *Excitements and Challenges in Project Based Teaching/Learning: Some Project Titles* (Dr. Parameshwari Kattel)
- Workshop-22:** Jeshtha 27, *Algebra* (Prof. Dr. Parkash Muni Bajracharya and Mr. Keshab Raj Phulara)

- Workshop-23: Jestha 27, Curriculum and Curricular Materials (Mr. Jagan Adhikary)**
- Workshop-24: Jestha 27, Presentation in Evaluation System (Prof. Dr. Chet Raj Batta, Prof. Dr. Narayan Parsad Pahari, Prof. Dr. Ajaya Singh)**
- Workshop-25: Jestha 27, Presentation in Evaluation System (Prof. Dr. Bhadra Man Tuladhar, Prof. Dr. Chet Raj Batta, Prof. Dr. Narayan Parsad Pahari, Prof. Dr. Ajaya Singh)**
- Workshop-26: Jestha 27, Evaluation Scheme of Mathematics at Present and It's International Practice (Prof. Dr. Chet Raj Bhatta)**
- Workshop-27: Jestha 27, Rethinking how we assess student learning (Dr. Kedar Nepal)**
- Workshop-28: Jestha 28, Limit, Continuity and Differential Equation (Dr. Durga Jang KC)**
- Workshop-29: Jestha 28, Structure of Project and Mathematical Activity (Dr. Santosh Ghimire)**

National Conference on Mathematics and its Applications (NCMA-2022) in Ilam

NMS organized the National Conference on Mathematics and its Applications (NCMA-2022) on Jestha 28-30, 2079 (June 11-13, 2022) at Mahendra Ratna Multiple Campus, Ilam, <http://nms.org.np/notice.html> in association with Central Department of Mathematics, Tribhuvan University; Department of Mathematics, School of Science Kathmandu University; Nepal Sanskrit University; Purbanchal University; and Mahendra Ratna Multiple Campus, Ilam. The primary objective of the conference was to offer mathematicians, researchers, and students around the globe a common platform to share their knowledge and experiences as well as to exchange innovative ideas and discuss topics of mutual interest in this challenging and widely applied area of mathematical analysis.

The program included 15 sessions: the inaugural session, followed by 13 scientific sessions and a concluding session at the end. The chief guest of the inaugural session was the Honourable Health Minister of Province 1, Mr. Jaya Ram Yadav, and was chaired by the President of NMS, Prof. Dr. Narayan Prasad Pahari.

In his inaugural address as the Chief guest, Mr. Yadav commended the NMS for organizing such an important event at a national level. The coordinator of the local

organizing committee Mr. Bal Bahadur Tamang explained about the effort, support, and initiation from the local level to make the conference a grand success. ANMA President Kedar Nepal highlighted the current situation of teaching and learning Mathematics abroad.

At the closing ceremony, the NMS president and chairman of this session, Prof. Pahari handed over the "Letter of Appreciation" to Mr. Khagendra Prasad Chapagain, the campus chief of MRC, and Mr. Kedar Thapa Mayor of Ilam Municipality.

A total of 153 participants including professors, mathematics teachers, research scholars, M.Phil. students, and Master's students attended the conference from different parts of the country as well as abroad. There were 76 scientific paper presentations at the conference.

Many institutions and business houses sponsored and co-sponsored the conference. The sponsor institutions were the University Grants Commission (UGC) Nepal Association of Engineering Colleges of Nepal, Sky Rider Secondary School, National School of Science (NIST), Kathmandu, Sagarmatha Engineering College, Everest Engineering College, and Sukunda Pustaka Bhawan, Udyog Banijya Sangh Ilam and Ilam Municipality. The program received good media coverage as well. A brief highlight of the scientific sessions of the conference has been presented below:

Scientific Session 1

Chair Person: Prof. Dr. Bhadra Man Tuladhar

- **Ganga Ram Phaijoo: Assessing Impact of Control Measures in Dengue Disease Transmission Dynamics**
- **Hari Nandan Nath: Arc Capacity for Facilities in Network Flow Modeling**

Scientific Session 2

Chair Person: Prof. Dr. Chet Raj Bhatta

- **Dipendra Regmi: Global Regularity for the 2d Magnetohydrodynamic (MHD) Equations with Partial Dissipation and Diffusion**
- **Khagendra Adhikari, Modeling the Risk of Transmission and Hospitalization During the Covid-19 Pandemic in Nepal**



- **Pawan Shrestha:** *KdV Type Equations and Vanishing Viscosity*
- **Prakriti Dhakal:** *ICT in Teaching-Learning Mathematics*
- **Utsav Darlami:** *Artificial Neural Network-Genetic Algorithm for Optimization of Multivariate Function: An Application to Lactic Acid Production*

Scientific Session 3

Chair Person: Dr. Kedar Nepal

- **Bhadra Man Tuladhar:** *Knights-and-Knaves Puzzle*
- **KP Ghimire :** *Grade 12 Students' Anxiety Towards Mathematics*
- **Raj Kumar Pradhan:** *A Mathematical Study of Car-Following Model Under Different Traffic Facilities and Road Condition*
- **Harish Chandra Bhandari:** *Temporal Visibility Graphs for Electroencephalogram Signals Classification*
- **Prakash Bayalkoti:** *Mathematical Study of Effect of Temperature on Transmission Dynamics of Dengue Disease*

Scientific Session 4

Chair Person: Dr. Dipendra Regmi

- **Jivandhar Jnawali:** *New Variants of Newton's Methods for Solving Nonlinear Equations*
- **Kabita Luitel:** *Axisymmetric Bioheat Transfer Models in Clothing System for Sweating and Metabolic Effect During Physical Exercise*
- **Gauri Bhujju:** *Mathematical Analysis of Covid-19 in Nepal*
- **Parshu Ram Chaudhary:** *Ethnomathematics: Geometry and Architecture of the Tharu Traditional Houses at Chakhoura Museum*
- **Nirmal Gurung:** *Bounded Orbit Set of Holomorphic Semigroups*
- **Ishwari Prasad Banjade:** *Error Deduction Model a Rational Model for Measuring Human Development*

Scientific Session 5

Chair Person: Dr. Durga Jang KC

- **Puskar Raj Pokhrel:** *A Coupled and Multiscale Modeling of Mixture Mass Flows*
- **Ramesh Gautam:** *Bifurcation Analysis of Malaria Transmission Model: Role of Cross-Border Mobility in Its Elimination*
- **Sharmila Shrestha:** *Study of Breast Tissue Temperature at Different Ages of Tumor*
- **Hem Raj Pandey:** *Fractional - Order Derivative Model of Dengue Disease Transmission Dynamics in Nepal*
- **Jhavi Lal Ghimire:** *On Certain Type of Difference Sequence Spaces Defined by φ -Function*
- **Indra Mani Shrestha:** *Innovative Pedagogies for Meaningful Mathematics Learning: Sharing Our Lived Experiences*
- **Gaurab Chand:** *Integrated Network Optimization Model of Exclusive Bus Lane*

Scientific Session 6

Chair Person: Prof. Dr. Jivandhar Jnawali

- **Deepak Basyal:** *Are mathematics Textbooks in Nepal Serving Their Purpose?*
- **Bekha Ratna Dangol:** *Influence of Particle Concentration of Release Mass on Dynamics of Landslide-Generated Tsunamis*
- **Tara Paudel:** *Transformative Learning and Identity Change*
- **Bishnu Prasad Chapagai:** *Maximum Network Flow Algorithms: A Comparative Study*
- **Shraddha Niraula:** *Redefinition of Fuzzy Linear Space*
- **Arjun Kumar Gaire:** *Rayleigh Generated Log-Logistic Distribution, Properties, and Applications*

Scientific Session 7

Chair Person: Prof. Dr. Ajaya Singh

- **Chet Raj Bhatta:** *$C[a, b]$ as the Backbone of Evolution of Functional Analysis*
- **Bhuwan Prasad Ojha:** *A Relation Between Pythagorean and Birkhoff Orthogonality in Terms of Bounded Operators*
- **Ramesh Chandra Timsina:** *A Mathematical Model on Transport and Growth of Microorganisms in Unsaturated Porous Medium (Soil)*
- **Harsh Bahadur Chand:** *Exploring Meanings of a Limit of a Function Constructed by Undergraduate Students*
- **Anju Kafle:** *Numerical Analysis of Quantum Tunneling*
- **Rajendra Dahal:** *Recent Developments in Discrete Fractional Calculus*

Scientific Session 8

Chair Person: Prof. Dr. Prakash Muni Bajracharya

- **Ajaya Singh:** *Identification of Algebraic Number*
- **Anjana Pokharel:** *An In-Host Model of Measles Virus Infection*
- **Binod Prasad Pant:** *Teaching Mathematics for Social Justices*
- **Niroj Dahal:** *STEAM Skills in Mathematics: Examples from the Classrooms*
- **Bishwa Adhikari:** *A Comprehensive Study of Multicriteria Optimization in Radiotherapy*
- **Pitamber Tiwari:** *Hermite-Hadamard Type Integral Inequalities On Generalized Geometric Convex Function and Their Quantum Estimates*

Scientific Session 9

Chair Person: Prof. Dr. Chet Raj Bhatta

- **Kedar Nepal:** *Higher Order Thinking Skills: An Investigation of High School Mathematics Board Exams in Nepal*
- **R.N. Pandit:** *A Study on Orthomodular Lattices for Compact Topological Spaces*
- **Umesh Rajopadhyaya:** *Common Fixed Point Theorem for Three Pair of Mapping in Semi-Metric Space Using -Contraction*
- **Dev Chandra Shrestha:** *Analysis of the Metabolic Rate and Skin Layers Thickness for Human Thermoregulation in a Two-Dimensional FEM Model for Adults and Ageing*
- **Chudamani Pokharel:** *Corona Theorem in Bounded Analytic Function on the Unit Disc*
- **Shankar Pariyar:** *The Fractional Wave Equation for a Vibrating String*

Scientific Session 10

Chair Person: Dr. Manoj Kumar Raut

- **Dinesh Panthi:** *Dislocated Metric Space and Some Fixed-Point Theorems*
- **Chet Nath Tiwari:** *Modeling Multiphase Debris Floods Down a Meandering Channel*
- **Raghu Bir Bhatta:** *Modeling of Transmission Dynamics of Communicable Diseases with Yoga*
- **Gyan Prasad Paudel:** *Application of Fuzzy Through Bellmen – Zadeh Maximum Method*
- **Samundra Timilsina Tripathhee:** *Two-Layered Blood Flow with Mild Stenosis*
- **Nowraj Tiwari:** *Modelling Hub Location Problems in Public Transportation*

Scientific Session 11

Chair Person: Dr. Puskar Raj Pokhrel

- **Sushil Chandra Karna:** *Mechanics of Love*
- **Thaneshor Bhandari:** *Application of Fixed Point in Ordinary Non-Linear Differential Equations*
- **Bishnu Hari Subedi:** *Physical Reality and Essence of Imaginary Numbers*
- **Basanta Raj Lamichhane:** *SEAM Education as/for Transformative Mathematics Learning*
- **Susmita Pathak:** *Teaching Mathematics Education to Nepali Learners in Blended Learning Approach*
- **Jnaneshwar Chalise:** *Data Augmentation with Mobius Transformation*

Scientific Session 12

Chair Person: Prof. Dr. Raju Ram Thapa

- **K. B. Manandhar:** *Fixed Point Theory and Compatible Mapping of Type (K)*
- **Kamalesh Kumar Lal Karn:** *Set Theoretic Operations on Fuzzy Sets*
- **Prem Bahadur Chand:** *Optimal Methods for Solving Nonlinear Equations and Their Basins of Attraction*
- **Bal Bahadur Tamang:** *Some Techniques for Solvability of Quadratic Diophantine Equations*
- **Prem Gurung:** *FEM Model for Vertically Atmospheric Pollutant Distribution with Dry Deposition and Gravitational Settling Velocity Effects*

Scientific Session 13

Chair Person: Dr. Sushil Chandra Karn

- **Phanindra Prasad Bhandari:** *Lexicographically Maximum Flows Under an Arc Interdiction*
- **Bharat Raj Wagle:** *Closed Queueing Network Analysis of Vehicle Sharing in a City*
- **Pushpa Nidhi Gautam:** *Modeling Two-Phase Blood Flow Dynamics Through Artery Along with Stenosis*
- **Jayadev Nath:** *A Study on Dyadic Operators*
- **Prem Kumari Dhakal:** *Expectations of Undergraduate Students from Teachers in Learning Mathematics: A Study in Mid-West University*
- **Badri Tamang:** *A Study on Relations Between Completeness and Compactness in Finite-Dimensional Fuzzy Normed Linear Space*
- **Dhan Raj Char:** *Reaction Diffusion System and Pattern Formation*

Capacity Building Workshop for Mathematics Faculties of Grade 11 and 12 (CBWMF-2022, Second Phase)

Nepal Mathematical Society (NMS) conducted 'Capacity Building Workshop for Mathematics Faculties of Grade 11 and 12' during 1-4 Asoj, 2079 in virtual mode and 8-10 Asoj, 2079 in physical mode in Sauraha Chitwan. The online mode was inaugurated by the chairperson of NEB Dr. Mahashram Sharma. The physical mode was held at Hotel Landmark Forest Park, Sauraha, Chitwan. Mr. Nil Mani Pokhrel, registrar of Purbanchal University, was the chief guest in the program. Altogether there were 60 participants from all the provinces.

The workshop focused on the following themes.

1. Mathematics Teaching Using ICT
2. Core Course Discussions (Breaking Preconceived Ideas and Removing Misconceptions in Students, Developing Mathematical Language and Writing Skills, etc.)
3. Assessments in Mathematics
4. Tackling Multiple Choice Questions (MCQs) in Mathematics.

The workshop contents are as follows:

Virtual Mode

Orientation on New Course of Grade 11 and 12

(**Dr. Jeevan Kafle**)

ICT (Prof. Dr. Dil B.Gurung)

Core Course Discussions: Computational Method

(**Dr. Puskar Raj Pokharel**)

Current Scenario of Secondary Mathematics Curriculum of Nepal (Dr. Bishnu Hari Subedi)

Evaluation: +2 perspective (Dr. Shree Ram Khadka)

Core Course Discussions: Algebra (Mr. Nabaraj Adhikari)

Core Course Discussions: Mechanics

(**Dr. Shree Ram Khadka and Dr. Santosh Ghimire**)

Core Course Discussions: Limit, Continuity, and Differential Equation

(**Dr. Durga Jang KC and Mr. Pawan Shrestha**)

Experience on Evaluation in Mathematics: Ongoing Trend and Suggested Improvement

(**Prof. Dr. Chet Raj Bhatta**)

Core Course Discussions: Analytical Geometry

(**Dr. Parameshwari Kattel**)

Core Course Discussions: Trigonometry

(**Dr. Ganga Ram Phaijoo and Mr. Hem Raj Pandey**)

Core Course Discussions: Analytic Geometry

(**Dr. Iswar Mani Adhikari**)

Core Course Discussions: Probability

(**Dr. Phanindra Prasad Bhandari**)

ICT (Dr. Jeevan Kafle)

Core Course Discussions: Algebra

(**Dr. Kamalesh Kumar Lal Karn**)

Core Course Discussions: ICT (Dr. Saraswati Acharya)

Core Course Discussions: Analytic Geometry

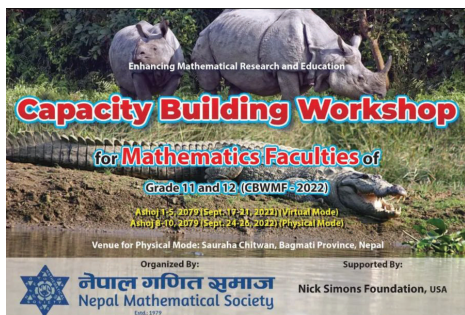
(**Dr. Iswar Mani Adhikari**)

Core Course Discussions: Probability and Statistics

(**Dr. Manoj Raut and Mr. Tek Bahadur Budhathoki**)

Evaluation in Grading System (Dr. Durga Jang KC)

Core Course Discussions: ICT (Dr. Samir Shrestha)



Capacity Building Workshop for Mathematics Faculties of Grade 11 and 12

01 - 04 Asoj, 2079 (17 - 20 September, 2022): Virtual Mode
08 - 10 Asoj, 2079 (24 - 26 September, 2022): Face-to-Face Mode in Chitwan

Core Course Discussions	Requirements	• NMS Life Membership • Institutional Recommendation • Curriculum Vitea
Mathematics Teaching Using ICT	Application Form	https://forms.gle/3C6BYyF5WVYvXZV6
Assessments in Mathematics	Deadline	Bhadra 20, 2079 (September 5, 2022)
Tackling Multiple Choice Questions	Contact	Dr. Jeevan Kafe, Coordinator NMS Talk Series and Workshop Subcommittee Mobile No.: 985114577 Email: nmsworkshops@gmail.com

Facilities During Face-to-face Mode

Transportation Accommodation Meals Workshop Kit

Organized by: Nepal Mathematical Society (NMS) | Supported by: Nick Simons Foundation, USA



LAUNCHING THE S₂S PROJECT

This year, NMS launched an ambitious multi-year project with the goal to promote and popularize mathematics as a discipline in schools and universities in the face of a drastically declining enrollment and high failure rates in the subject at schools and universities. Conceptual clarity on the subjects and quality of mathematics teaching and research is another critical issue in Nepal. Likewise, Nepal has been losing potentially good learners due to the perception of mathematics as a 'difficult' subject. The S₂S project seeks to develop a nation-wide comprehensive training program for teachers of mathematics to address the afore-mentioned challenges in collaboration with schools, colleges, universities, as well as concerned government education offices and policy makers at central, provincial and municipality level.

- The project includes three major components:
- Training Manual development
 - Training to prospective trainers (TOT)
 - Training to mathematics teachers of schools and colleges (for Grades IX to GradeXII)

So far, the NMS has successfully completed the task of developing a comprehensive training manual and training of a group of trainers (TOT). The NMS provincial committees will now conduct the teacher-training programs for schools and colleges in their respective provinces, starting with selected provinces. The following texts highlight the activities conducted so far under the S₂S project.

- MCQs Tackling (Dr. Parameshwari Kattel)*
Core Course Discussions: Linear Programming Problem (Dr. Hari Nandan Nath)
Core Course Discussions: Differentiation and Integration (Dr. Prem Sagar Bhandari)
ICT (Dr. Jeevan Kafe)
- Physical Mode at Landmark Forest Park, Sauraha, Chitwan**
- Evaluation: +2 perspectives (Dr. Shree Ram Khadka)*
Core Course Discussions: Analytical Geometry (Mr. Khagendra Raj Baral)
Core Course Discussions: Limit, Continuity and Differential Equations (Dr. Durga Jang KC)
Core Course Discussions: Algebra (Prof. Dr. Parkash Muni Bajarcharya)
Core Course Discussions: Algebra: Polynomials, Sequence and Series (Jhavi Lal Ghimire)
Core Course Discussions: Calculus: Derivative and its Applications (Mr. Chet Nath Tiwari)
ICT (Prof. Dr. Dil Bahadur Gurung)
Core Course Discussions: Algebra: Binomial Theorem. (Ramesh Chandra Timsina)
Evaluation Scheme of Mathematics at Present and Its International Practice (Prof. Dr. Chet Raj Bhatta)
Core Course Discussions: Permutation and Combination (Dr. Jeevan Kafe and Mr. Bekha Ratna Dangol)
Core Course Discussions: ICT (Dr. Saraswati Acharya)
Core Course Discussions: ICT (Dr. Samir Shrestha)
Presentation in Evaluation System (Prof. Dr. Chet Raj Bhatta, Prof. Dr. Ajaya Singh, Dr. Shree Ram Khadka)

Preliminary Activities of S₂S

A team of NMS prepared a project proposal and submitted to the Nick Simons Foundation (NSF), USA in a breakfast meeting with Dr. James H. Simons and some authorities of NSF. In a month time, the proposal got accepted. Immediately NMS conducted several virtual and in-person meetings with teachers and educationists to identify the themes in the survey form.

Survey for Developing Contents for the Training Manual

A group of EC members of the NMS prepared a survey form to incorporate the ideas of secondary school teachers, educationists and academicians to assess and prioritize the training needs. The survey outcome from 100 participants was very much in line with the project proposal.

S₂S Training Manual Development Workshops

A one-day workshop comprising of some experts was held at Hillside Hotel Kirtipur for the training manual development by analysing the survey report and prioritizing the theme. NMS held a two day workshop on the training manual development at Edu Farm Lalitpur on Bhadra 17-18, 2079. EC members along with some representatives from all the NMS Province Committees participated in the workshop.



One-day Manual Development workshop of NMS for S₂S in Kathmandu

A one-day workshop was organized by NMS at Hotel Landmark Kathmandu on Poush 19, 2079 (Dec 3, 2022). The workshop shared the initial draft of the manual developed by the manual developers and discussed

procedure and format of the manual. The initial draft was prepared on the basis of the research outcome which was conducted among more than hundred respondents from all provinces.



S₂S Manual Development Workshop in Dhulikhel

A three day residential workshop (Magh 12,13,14) for the development of the training manual was organized successfully at Dhulikhel, Kavre. 30 participants including experts and the executive committee members participated in the program. The key objectives of the program were to interact among the manual developers on their ongoing work. The discussions and the feedback given and received helped a lot for the development of the comprehensive training manual for capacity building of mathematics teachers at schools and colleges (for Grades IX–XII).

The following were the experts on the related area of Mathematics. (1) Trigonometry: Associate Prof. Dr. Shree Ram Khadka and Dr. Ganga Ram Phaijoo (2) Geometry: Associate Prof. Dr. Parameshwari Kattel and Mr. Khagendra Raj Baral (3) Algebra: Prof. Dr. Prakash Muni Bajracharya, and Mr. Abatar Subedi (4) Arithmetic and Combinatorics: Associate Prof. Dr. Iswar Mani Adhikari, Dr. Phanindra Prasad Bhandari, and Mr. Ganga Ram D.C. (5) Calculus: Associate Prof. Dr. Durga Jang KC, Mr. Nabaraj Adhikari, Associate Prof. Dr. Santosh Ghimire and Mr. Arun Bhandari: Similarly the Independent areas





were: (1) Project Based Learning: Associate Prof. Dr. Santosh Ghimire (2) ICT: Associate Prof. Dr. Samir Shrestha, Dr. Saraswati Acharaya, and Dr. Jeevan Kafle (3) Effective Teaching Strategy: Prof. Dr. Bed Prasad Acharya and Dr. Bishnu Hari Subedi (4) Opportunities in Mathematics: Prof. Dr. Chet Raj Bhatta (5) Language in Mathematics and Presentation Skills: Dr. Hari Nandan Nath. They presented their progress on their topics/areas of the manual on the program. On the first day, the program was conducted by NMS Joint Secretary Associate Prof. Dr. Iswar Mani Adhikari. On the second day, the program was conducted by S₂S Managing Coordinator Dr. Parameshwari Kattel and on the last day, by S₂S Academic Coordinator Dr. Shree Ram Khadka. The program was chaired by the NMS President Prof. Dr. Narayan Prasad Pahari and the Chief Guest of the inaugural ceremony was Prof. Dr. Ram Prasad Ghimire, the controller of Examination of Kathmandu University.

Mathematics in the Street Program in Nepal

NMS conducted *Mathematics in the Street* program in Kathmandu Valley and in all seven provincial committees for the general public on Falgun 28, 2079 (March 12, 2023). This was an entertainment program in several



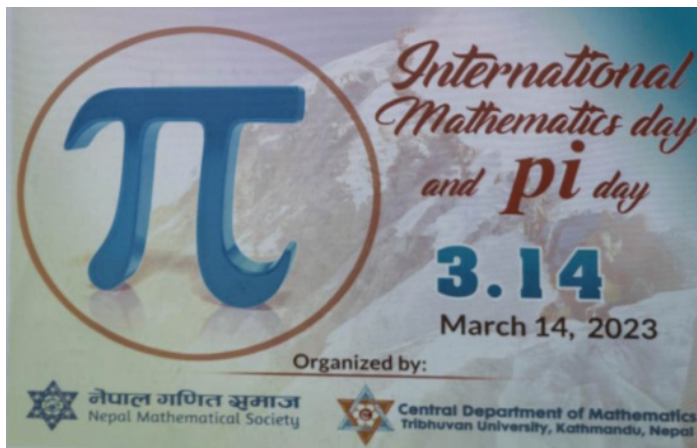
streets of the country to draw common people's attraction towards mathematics. This program was conducted in several countries of the world on the same day and in more than a dozen places in Nepal. Students and the general public participated at the program with fun mathematical games and activities.

In Kathmandu valley, the program was conducted in four places: Bhaktapur, Bagbazar, Patan, and Gongobu. It was led by EC members. Mathematics teachers and students from schools, colleges, and universities volunteered to conduct the program.



International Mathematics Day (Pi Day)

NMS celebrated International Mathematics Day (Pi Day) in collaboration with the CDM, TU with the theme-Mathematics for Everyone. Pi-Day was celebrated in all provinces by the NMS Province Committees. Prof. Ajay Singh from CDM and another mathematician Hari Narayan Upadhyaya delivered a talk. Prof. Dr. Gyan Bahadur Thapa was the chief guest of the program.



Continuation of Analysis Workshop Series

Analysis Workshop Series organized by NMS, in the virtual mode in BS 2078 is continued in BS 2079 with the support of researchers and experts from various universities. This year, 13 workshops were organized for NMS life members, university teachers, Ph.D. Scholars and MPhil students to refresh and enhance their knowledge in Analysis from basic to advanced research. The workshop series included the following topics with the respective facilitators.

1. Workshop Series: 13 and 14

Dr. Chet Raj Bhatta, Professor, Central Department of Mathematics, TU, facilitated the Analysis Workshop Series-13 (Baishak 3, 2079) and Series-14 (Baishak 10, 2079). He focused on the topic "Recent trends in mathematics and contributions to other discipline, Sequence of real numbers and Evolution of numbers" during the series.



2. Workshop Series: 15 and 16

Dr. Santosh Ghimire (Associate Professor, Pulchowk Campus, TU)
Topic: *Riemann Integrals*



3. Workshop Series: 17-25

Dr. Ishwari Jaung Kunwar (Fort Valley University, USA)
Topic: *Riemann-Stieltjes (R-S) Integrals*



Continuation of Algebra Workshop Series

Algebra Workshop Series organized by NMS, in the virtual mode in BS 2078 was continued in BS 2079 with the support of researchers and experts from various universities. This year, 8 workshops were conducted covering the basics of algebra, its usefulness, and various types of computational software. The workshop series was managed by the Workshop and Talk Series Sub-Committee, co-ordinated by Dr. Jeevan Kafle. The topics with respective facilitators are as given below.

1. Workshop series-16

Mr. Santosh Gnawali (Central Department of Mathematics, TU)
Topic: *Free Modules, Nakayama Lemma and Tensor Product*



2. Workshop series-17

Mr. Abatar Subedi (Central Department of Mathematics Education, TU)
Topic: *Localization, Noetherian Ring, Hilbert Basis Theorem and Associated Prime Ideal*



3. Workshop series-18

Dr. Madhav Sharma (The University of Rhode, USA)

Topic: *Rings, Ideals and Modules*



4. Workshop series-19

Assoc. Prof. Tulasi Prasad Nepal (Central Department of Mathematics, TU)

Topic: *Finite Fields, Characteristics of a Field, Polynomial Rings, Factoring Polynomials*



5. Workshop series-20, 21

Dr. Manoj Gyawali (Research Scientist, National University of Singapore)

Topics: *Field Extension, Algebraically Closed Fields, Splitting Fields*



6. Workshop series-22

Dr. Aslam Ali (University of Kaiserslautern, Germany)

Topics: *Normal Field Extension, Galois Group, Fixed Field, Fundamental Theorem of Galois Theory with Examples (Discover more computationally in Julia/Hecke)*



7. Workshop series-23

Dr. Daniel Berhanu (Addis Ababa University)

Topic: *Galois Correspondence with Examples*

NMS-ANMA Talk Series

This year, NMS is continually conducting the NMS-ANMA Talk Series via online mode jointly organized by the NMS and Association of Nepalese Mathematicians in America (ANMA)

1. Talk Series-5

Dr. Ramjee Sharma, Associate Professor of Mathematics, University of North Georgia – Gainesville, USA

Topic: *Numerical Computations of Non-linear Partial Differential Equations*



2. Talk Series-6

Prof. Dr. Dil Bahadur Gurung (Department of Mathematics, Kathmandu University, Dhulikhel, Nepal)

Topic: *Mathematical Models of Human Thermo-regulation*



3. Talk Series-7

Dr. Shiva Gautam (Professor of Biostatistics at the University of Florida, Jacksonville, USA) Topic: *Pythagorean Theorem from Vedic Verses for Rectangles*



CDM-NMS Talk Series

This year, NMS initiated a CDM-NMS talk series at the Central Department of Mathematics (CDM), Tribhuvan University premises jointly organized by the NMS and CDM .



Talk Series-1: Dr. Chudamani Poudyal, Visiting Assistant Professor, Department of Statistics & Data Science, University of Central Florida Orlando

Topic: *Statistical Insurance Premium Pricing Models*



Talk Series-2: Dr. Bishnu Prasad Lamichane, Senior Lecturer in Mathematics, University of Newcastle, Australia

Topic: *Mathematics and Music*



Talk Series-3: Dr. Hum Nath Bhandari, Assistant Professor of Mathematics Roger Williams University, Bristol RI, USA,

Topic: *Machine Learning and Data Science Techniques for Solving Complex Real World Problems*



Talk Series-4: Prof. Dr. Bhadra Man Tuladhar, former President of Nepal Mathematical Society and the former Registrar of Kathmandu University

Topic: "Research in Mathematics"

News from the Provinces

A. Activities of NMS Koshi Province

The NMS Koshi Province Committee Celebrated *International Mathematics Day* in Degree Campus Biratnagar, jointly organized by the Department of Mathematics, Degree Campus and Nepal Mathematical Society Koshi Province. The program was chaired by NMS advisor Prof. Dr. Raju Ram Thapa and Mr. Kabi Raj Neupane (Former Controller Purvanchal University) was the Chief Guest. The other personalities were Prof. Dr. Raj Narayan Yadav, Associate Prof. Shiva Karki, and Dr. Manoj Raut. Prof. Dr. Thapa was honored on the occasion. The detailed description of Pi, and importance, applications and recent trends of mathematics were delivered through their talks by Dr. Raut and Prof. Thapa.



B. Activities of NMS Madhesh Province

The **NMS Madhesh Province** successfully conducted the **second general assembly of Nepal Mathematical Society Madhesh Province** on Bhadra 25, 2079 at Janakpur. The program was inaugurated jointly by Prof. Narayan Prasad Pahari, Chairman of the Nepal Mathematical Society and President of NMS Madhesh Province Dr. Sushil Karna. Dr Jeevan Kafle EC member of NMS was the guest speaker. A Committee was elected in the chairmanship of Dr. Kripa Sindhu Choudhary from Thakur Ram Campus, Birgunj.

Newly elected executive committee

Chairman: Dr. Kripa Sindhu Choudhary

Vice Chairman: Dr. Ram Lakhan Sah

Secretary: Mr. Subas Jha

Joint Secretary: Dr. Ashok Kumar Yadav

Treasurer: Mr. Pant Kumar Sah

Members:

- | | |
|------------------------------|---------------------------|
| 1. Mr. Janta Raut | 2. Mr. Birendra Pandit |
| 3. Mr. Dipendra Prasad Yadav | 4. Mr. Manoj Kumar Mahato |
| 5. Mr. Ratnesh Lal Karna | 6. Mr. Binam Kumar Nirala |

In the meeting, the executive committee nominated Mr. Laxman Bahadur Kunwar as an executive member.

Advisory committee

1. Prof. Panch Dev Yadav

2. Dr. Sushil Karn

3. Dr. Ranjan Singh

4. Dr. Bipin Roy



The Madhesh Province Committee also celebrated the *Mathematics Day* by conducting the program entitled "Mathematics in the Street" on March 12, 2023, on the street of Ranighat, Birgunj. The program was conducted in the presence of Prof. Bidhyanand Prasad. The program was very successful with an audience size of about 50 people, and was participated and enjoyed by the general public and school students.

C. Activities of NMS Gandaki Province

The NMS Gandaki Province successfully conducted the **second general assembly of Nepal Mathematical Society Gandaki Province** on 10th Poush, 2079 at Pokhara. The program was inaugurated jointly by the Vice-president of NMS Dr. Shree Ram Khadka and President of NMS Gandaki Prof. Dr. Krishna Kumar Shrestha. On the occasion, the Joint-secretary of the Central EC Dr. Iswar Mani Adhikari, and Dr. Maheshwar Parajuli were also felicitated by NMS Gandaki. Dr. Parameshawi Kattel, secretary of NMS put remarks in the program. A Committee was reformed in the chairmanship of Dr. Tribhuvan Sharma.

New Executive Committee

Chairman: Dr. Tribhuvan Sharma

Vice Chairman: Prof. Rajesh Thakurathi

Secretary: Bishwa Raj Adhikari

Joint Secretary: Mann Bahadur Bhujel

Treasurer: Madhav Prasad Paudel

Members:

- | | |
|------------------------------|---------------------------|
| 1. Purushottam Parajuli | 2. Bhadra Raj Tripathi |
| 3. Dr. Kharika Devi Parajuli | 4. Thakur Prasad Pokharel |
| 5. Ramesh Kumar Acharya | 6. Manju Subedi |



The NMS Gandaki Province also conducted the event entitled "Mathematics in the Street" in Chipledhunga, Pokhara on Chaitra 28, 2079. The street people including school and college students were actively involved in the program enjoying different interesting mathematical activities.



The NMS Lumbini also organized a two-days workshop on "Mathematics and Its Application" for grade 11 and 12 mathematics teachers from the province with the collaboration of HISSAN Rupandehi on Magh 7 and 8, 2079. The chief guest of the program was the Chief Minister Mr. Lila Giri of the province. Prof. Dr. Ramachandra Acharya, advisor of the HISSAN central committee, and president of HISSAN Rupandehi Mr. Dinesh Bhushal remained as the special guests of the program. The facilitators of the workshop were Dr. Santosh Ghimire and Mr. Bekha Ratna Dangol. Nearly 50 participants were involved actively in the program. The program was very fruitful and interesting. The program was run under the chairmanship of the Lumbini Province President Mr. Gopal Acharya and conducted by the NMS chapter secretary Mr. Thaneshor Bhandari.



D. Activities of NMS Lumbini

The NMS Lumbini successfully conducted the **general assembly of the Lumbini Chapter** on Jestha 20, 2079 at Butwal. The chief guest of the program was Prof. Dr. Narayan Prasad Pahari, president of the NMS central committee, and Dr. Jeevan Kafle EC member of NMS was the guest speaker. With a very excited presence and fruitful discussions, the following 11-member committee was elected.

New Executive Committee:

- President:* Mr. Gopal Acharya
- Vice-President:* Mr. Pitambar Tiwari
- Secretary:* Mr. Thaneshor Bhandari
- Joint Secretary:* Mr. Parshuram Chaudhari
- Treasurer:* Mr. Deepak Gyawali
- Members:* Mr. Deviram Paudel
- Mr. Laxmi Narayan Chaudhari
- Mr. Ravi Kumar Keshari
- Mr. Vishnu Pandey
- Mr. Khemraj Koirala
- Mr. Prem Prashad Kafle

The NMS Lumbini organized the Mathematics in the Street program in Yogikuti, Butwal on Chitra 28, 2079 (March 12, 2023). The street people were actively involved in the program and enjoyed many interesting Mathematical activities. The prizes were also distributed to the winners.



E. Activities of NMS Sudurpashchim

NMS Sudurpaschim conducted a one-day interaction program on “Current Situation of Mathematics Education and its Challenges in School and University Level” on the occasion of international Mathematics day on March 14, 2023.

It also conducted a one-day talk program on the topic “Use of ICT and Teaching Materials in Classroom Teaching” during TPD training organized by Educational Training centre, Dipayal, Doti, at Dhangadhi Kailali. Mr. Raghbir Bhatta and Mrs Radha Bist facilitated the program.

It also conducted the **the general assembly of the Sudurpaschim chapter** on 2079/07/19 at Dhangadhi. The following elected 11 members and 2 nominated members are follows:

New Executive Committee

President: Mr. Raghu Bir Bhatta
Vice-President: Mr. Atma Ram Adhikari
Secretary: Mr. Narayan Bhatta
Joint Secretary: Mr. Harsha Bahadur Chand
Treasurer: Dr. Prem Bahadur Chand
Members:

1. Mr. Dev Raj Joshi
2. Mr. Madan Bahadur Chand
3. Mr. Nar Bahadur Chand
4. Mr. Puskar Bhatta
5. Mr. Dal Bahadur Saud
6. Mr. Khem Raj Pandey
7. Mr. Chet Raj Bhatta
8. Mr. Jay Dev Nath.

Two talks were delivered by Nar Bahadur Chand and Harsh Bahadur Chand.



Mathematics in Street was also celebrated on March 12, 2023 with different interesting activities on the street.



F. Activities of NMS Karnali

The NMS Karnali celebrated the **Pi-Day** and **Mathematics in the Street** program on March 12, 2023 in Birendranagar, Surkhet. Students, faculties and common people enjoyed different mathematical activities.



Heartily Congratulations & Best Wishes to
NEPAL MATHEMATICAL SOCIETY
on the special occasion of its
45th Anniversary



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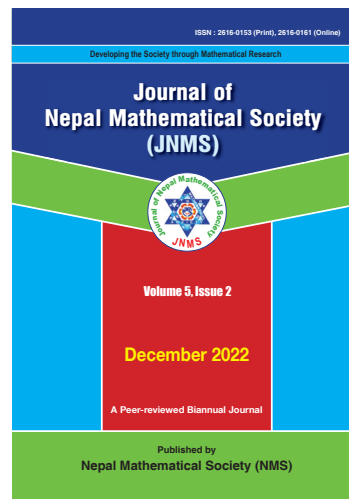
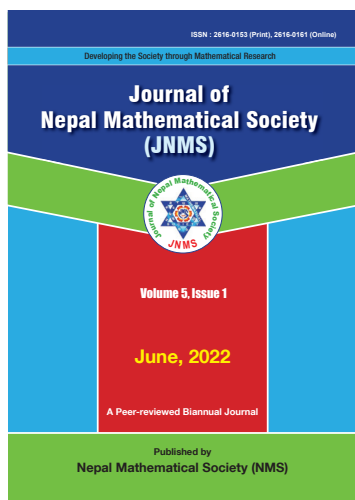


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Publication of JNMS Volume 5, Issues 1 and 2

Volume 5 Issue 1 and 2, Year 2022 of the Journal of Nepal Mathematical Society (JNMS) were published both in online and print versions in June and December 2022 respectively. Both issues consist of seven research articles each in pure and applied mathematics. NMS acknowledges all the authors and reviewers for their contributions.



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OTHER ACTIVITIES

Deligation to NEB

A deligation of some NMS EC members was made to the National Examination Board (NEB) on behalf of NMS on Ashad 9, 2079 (June 23, 2022) with a contemporary concern of examination of standard 12.



Heartly Congratulations & Best Wishes to

NEPAL MATHEMATICAL SOCIETY
on the special occasion of its

45th Anniversary

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Meeting with Dr. James H. Simons and the Executives of Nick Simons Foundation, USA

A meeting was held between NMS officials and NMS's chief donor Nick Simons Foundation, USA (Dr. James H. Simons and his team) at Hotel Soaltee on Asoj 26, 2079 (October 12, 2022). The Nick Simons Foundation team was briefed about the NSF funded programs, especially about the ongoing S₂S Project.



NMS Picnic at Switzerland Park, Kathmandu.

NMS successfully organized a picnic at Damchhadada, Switzerland Park, Nagarjuna Municipality, Kathmandu on Falgun 13, 2079 (February 25, 2023). Around 150



life members actively participated in the event. A nice interaction was held between three generations of mathematics students and their teachers. Various types of cultural programs including a dance competition, Bingo, and ballon burst were held on that occasion.



NMS Life Members' News

UGC MPhil Fellowship

The following MPhil students from the Central Department of Mathematics, Tribhuvan University received the MPhil Fellowship from University Grant Commission(UGC Notice 2079-11-12):

1. Tekendra Timalsina
2. Navaraj Neupane
3. Baburam Devkota
4. Dhana Paneru
5. Rita Gautam
6. Prakash Shrestha
7. Ramtapasya Kumar Sah
8. Shankar Kandel,
9. Uttam Pokharel,
10. Krishna Prasad Jnawali
11. Madan Bhandari

Retirements

Nepal Mathematical Society extends best wishes to the following Life Members for their long term services on their retirement.

1. **Prof. Uma Nath Pandey:** Retired from Mahendra Ratna Campus, Tahachal, Tribhuvan University in Chaitra 8, 2079. He started his service there from Shrawan 9, 2046.
2. **Prof. Dr. Kedar Nath Uprety:** Retired from Central Department of Mathematics, Tribhuvan University effective from Shrawan 2, 2079.
3. **Assoc. Prof. Lila Bahadur KC:** Retired from Butwal Multiple Campus, Tribhuvan University from Magh 10, 2079. He started the University service on Asar 32, 2044.
4. **Prof. Sharada Shrestha:** Retired from Tri-Chandra Multiple Campus, Tribhuvan University from Jestha 6, 2079. She started the University service on Chaitra 24, 2041.

Promotions

Nepal Mathematical Society congratulates the following Life Members for their promotions:

1. **Dr. Phanindra Prasad Bhandari** has been recommended for Associate Professor of Mathematics at the Khwopa Engineering College, Bhaktapur.
2. **Dr. Samir Shrestha** has been recommended for Associate Professor of Mathematics at Kathmandu University.

3. **Mr. Rajesh Thagurathi** has been recommended for the Professor of Mathematics at Pokhara University by the Pokhara University Service Commission on Bhadra 5, 2079.

Nepal Mathematical Society congratulates the following Life Members for successfully completing their MPhil and PhD degrees in Mathematics:

MPhil Degree

1. Mr. Hari Prapanna Kandel
2. Mr. Amrit Sharma
3. Mr. Chhabi Dhungana

PhD Degree

Dr. Ramesh Timsina has completed his PhD degree in mathematics on the topic *Transport and Growth of Microbes in Unsaturated Porous Medium (Soil)* in 2022 from Tribhuvan University, Nepal.



Dr. Kharika Devi Parajuli has completed her PhD degree in mathematics education on the topic *Connecting Vedic, Ethno and school Mathematics* in 2022 from Tribhuvan University, Nepal.



Dr. Ram Krishna Panthi has completed his PhD degree in mathematics education on the topic *Assessment for Learning for Social Justice in Mathematics Classroom* in 2023 from Faculty of Education, Tribhuvan University, Kirtipur.



Dr. Bhuwan Prasad Ojha has completed his PhD Degree in Mathematics on the topic *Orthogonality in Normed Linear Spaces* in April 2022 from Tribhuvan University, Nepal.



New Appointments

NMS extends congratulations on the appointments and promotions of the following NMS Life Members.

1. **Mr. Abatar Subedi**: Head, Central Department of Mathematics Education, Kirtipur, Tribhuvan University on Ashoj 1, 2079.
2. **Prof. Dr. Bed Raj Acharya**: Director of Graduate School of Education, Kirtipur, Tribhuvan University on Bhadra 2, 2079.
3. **Prof. Dr. Ram Prasad Ghimire**: The Controller of Examination in Kathmandu University on Poush 15, 2079.
4. **Dr. Rabindra Kayastha**: The Head of the Department of Mathematics, School of Sciences, Kathmandu University on Falgun 12, 2078.
5. **Dr. Iswar Mani Adhikari**: The Head of the Department of Mathematics, Prithvi Narayan Campus, Pokhara, Tribhuvan University, Magh 10, 2078.
6. **Chhabi Lal Bhusal**: The Head of the Department of Mathematics, Tribhuvan Multiple Campus, Tansen, Palpa on Falgun 11, 2079.

7. **Prof. Dr. Binod Dhakal**: Vice-Chancellor of the Lumbini Technical University, Shrawan 15, 2079.

8. **Mr. Durgesh Ojha** has been recommended as a Lecturer of Mathematics at Pokhara University in Baishakh 4, 2079.

9. **Mr. Thakur Prasad Pokhrel** has been recommended as a Lecturer of Mathematics at Pokhara University in Baishakh 4, 2079.

Academic Visit

Prof. Dr. Gyan Bahadur Thapa from Department of Applied Sciences and Chemical Engineering, Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal visited Universitat Politècnica de València, Spain under the Erasmus+ KA107 Project, funded by the European Commission within the Erasmus+ Program during 24th to 30th July, 2022.

Condolences

NMS is deeply saddened by the passing away of the following life members. Our heartfelt sympathy and thoughts are with their family. NMS extends hearty acknowledgements and special thanks for their dedication and support for the promotion and upliftment of Mathematics in Nepal.



1. Former Joint Secretary of NMS, and Former Campus Chief of Mahendra Multiple Campus Dang, **Prof. Dr. Basanta Raj Adhikari** passed away on Poush 6, 2079 at the age 72 years.



2. Former Treasurer of NMS, and Professor at Central Department of Mathematics, Tribhuvan University **Dr. Urmila Pyakurel** passed away on Chaitra 29, 2079 at the age 43 years.

Upcoming Events

AMNS-2023 @ Pokhara

Nepal Mathematical Society (NMS), Association of Nepalese Mathematicians in America (ANMA), Central Department of Mathematics at Tribhuvan University and the Department of Mathematics at Kathmandu University are jointly organizing the Third International Conference on Applications of Mathematics to Nonlinear Sciences (AMNS-2023), in Pokhara, Nepal on May 25-28, 2023. The conference aims at bringing together research scholars from a variety of disciplines that impact nonlinear analysis and applications in biology and physical sciences from Southeast Asian countries and around the globe.

Link of the conference: <http://anmaweb.org/AMNS-2023/>

Prior to the conference, there will be a CIMPA Summer School in Data Visualization, Modeling and Mathematical Tools (May 15-24, 2023), in Kathmandu, Nepal. The summer school aims at introducing graduate students, early career faculty members, and young researchers to diverse topics, ranging from data modeling and visualization to algebraic, topological, and analytic tools to study mathematical models via differential equations.



Prof. Dr. Prakash Muni Bajracharya

Prof. Dr. Prakash Muni Bajracharya is a well-known Mathematician of Nepal. He started his teaching career in 1990 in the Central Department of Mathematics at Tribhuvan University, and retired in 2020. Prof. Bajracharya has received numerous awards and recognitions for his outstanding performances and contributions to Mathematics and Mathematical Sciences in Nepal. He remained the Acting Head of the department in 2013. He started Phil. Program and served as a founder coordinator from 2013-2016 in the Central Department of Mathematics. He started the School of Mathematical Sciences and introduced Actuarial Sciences courses for the first time in Nepal. He was the Founder Director of the School of Mathematical Sciences, Tribhuvan University (2016-2020). He has written many mathematics books, published many research papers, and has been involved in the developing syllabi for Higher secondary, Bachelors, Master's, and MPhil levels. What follows is an interview with Prof. Bajracharya by Prof. Narayan Prasad Pahari (the President of NMS) exclusively for this newsletter.

Q: Prof. Bajracharya, will you please tell us something about your family background?

- I was born on 13th Paush 2013, in a Newar family in Newroad, Kathmandu, Nepal. My father, Jit Muni Bajracharya was a health assistant by profession, and my mother Jamuna Devi engaged in agricultural activities. I was married to Meena Bajracharya in BS 2047 who is a Housewife. We have one son and one daughter. Son Prachanda is an electronic engineer who lives in Kathmandu and my daughter Prerana currently lives in the US, and is studying Master's degree in Computer Sciences. Presently, I am living with my family in Naradevi-18, Kathmandu.

Q: And how about your school and University Education?

- I started my primary education at Nepal Adarsha School, Ganabahal, Kathmandu. I continued and completed my secondary level schooling (SLC) from Shree Krishna Secondary School Chautara, Sindhupalchok, where my father worked in Chautara Hospital in 2030 BS. I passed my Intermediate of Science (I.Sc.) from Amrit Science Campus (ASCOL), Tribhuvan University, Lainchaur, Kathmandu in BS 2034 (1978). I got an opportunity for higher education with a full scholarship from the Ministry of Education, Nepal and went to Moscow in BS 2034 (1978). I received my MSc degree in Mathematics in BS 2041 (June, 1984) from the People's Friendship University of Russia (PUFR). In 1990, I successfully completed my Doctor of Philosophy (Ph.D.) in Mathematics from the same University under the supervision of Prof. Vladimir Ivanovitch Burenkov (PUFR). The title of my Ph.D. dissertation was "Approximation of functions in Sobolev spaces by functions infinitely differentiable in the neighborhood of the domain", related to Real and Functional Analysis.

Q: Prof. Bajracharya, can you tell us about your long-term service at Tribhuvan University as a mathematics faculty and other involments?

- 33 years ago, I started my work at Tribhuvan University, Central Department of Mathematics and spent 30 years there. I worked as a part-time faculty in Amrit Science Campus for a Master's level class. I taught Mathematical Analysis, Functional Analysis, and Measure Theory in the Central Department. I am very much satisfied with my teaching profession. I worked as a facilitator in the Teachers' Training for higher secondary teachers in various parts of Nepal as well as to the University Teachers teaching Bachelors and Masters level at Tribhuvan University. I served in many research and academic activities as the Chief Editor of the *Mathematics Education Forum* published by the Council for Mathematics Education and Executive editor of *The Nepali Mathematical Sciences Report* published by the Central Department of Mathematics. I was a member of the Mathematics Subject Committee of HSEB from 2006-2010 and was Chairman from 2010-2015. I was the founder director of the School of Mathematical Sciences and Member-Secretary of the Board of Directors, School of Mathematical Sciences, TU, 2016-2020. I was a member of the Mathematics Subject Committee of Tribhuvan University and the Mathematical Sciences Subject Committee, of IOST, TU. I was the advisor of the Nepal Mathematical Society and the Training Director of the Council for Mathematics Education. Besides these, I worked as the treasurer of the Nepal Mathematical Society in 1993-2003 and a life member of the Nepal Mathematics Centre, Council for Mathematics Education, and Mathematical Sciences Trust. I participated as an invited speaker at the 9th International Conference on Science and Mathematics Education, Mandalay, Myanmar during 4-6 Nov 2016.

Q: Will you also like to share some more academic contributions in your teaching journey?

➤ My field of teaching and research is Analysis. I taught Real Analysis, Functional Analysis, and Measure theory in the Central Department. I have supervised 3 Ph.D. (one going on), 5 M.Phil., and 30 Master's level students. I have participated and presented papers at many mathematics seminars and conferences. I worked as principal facilitator and expert in several capacity development programs for School and University teachers as well as Mathematics Seminars and Conferences organized by the Nepal Mathematical Society. I have participated in SEAMS School 2015, University of Science, Ho Chi Minh, Vietnam, and the Global Conference of Actuaries and Actuarial Education, Mumbai, India in 2018. I was also involved in designing the course structure of B. Math. Sc. in Actuarial Science, Master in Data Science (MDS) program, and MPhil Mathematics of Calculus, Mathematical Analysis at the Bachelors level, and Business Mathematics and Business Statistics for BBA, MA/MSc Mathematics of Real Analysis, Measure and Integration, and Functional Analysis. I was involved in designing the present Mathematics course for XI and XII HSEB.

Q: Prof. Bajracharya, what is the status of research in Analysis in Nepal? What are the challenges?

➤ Many faculties and students from Nepal have done Ph.D. in the field of Analysis from abroad. Some of them are working in Universities abroad and some are working in Nepali Universities. The Ph.D. scholars are doing well in their studies at the Central Department of Mathematics and Kathmandu University. I think Mathematical Analysis is the foundation of all pure and applied Mathematics and it is necessary to conduct research courses in this field to motivate young mathematicians.

The number of students studying pure mathematics is decreasing in the university. Improving Analysis teaching by focusing on research may increase the number of research graduates in this field. We need to rethink the courses and the teaching methods too. The focus should be given to problem-solving rather than to teaching the theories only. Capacity development programs are crucial for faculties in the field of research.

Q: Mathematics can be a challenging subject for some students, how can we make it interesting to them?

➤ The field of mathematics from school to university is a challenging field and is considered the most difficult subject all over the world. The approach to teaching-learning in Nepal is mostly rote-memorization type. A clear understanding of the concepts and their applications in other subject areas is very important. In my observation, a systematic but flexible curricular provision is required.

Q: Then, what changes should be brought in the curriculum of mathematics at the university level to make it popular?

➤ There are two strategies for developing a curriculum. One strategy is increasing the content in the curriculum and the other is making the content more meaningful while downsizing the amount of content. Contents are important but if the contents we deliver do not make much sense, then we need to rethink and present them differently. So, a balanced curriculum is necessary to make mathematics popular. Greater focus should be given to undergraduate mathematics.

Q: Prof. Bajracharya, what changes have been made in the curriculum of mathematics at the university level in the Semester system? How can we improve mathematics teaching effectively?

➤ A semester system can give many opportunities to introduce different content areas in a balanced way. In my observation, it is necessary to introduce a semester-based curriculum at all levels. The promotion of independent and autonomous learning in mathematics is necessary for higher-level learning of mathematics. Classroom teaching and assessment are important for making mathematics interesting.

Q: Can you share your special vision regarding teaching mathematics?

➤ In my personal experience, young mathematicians who are teaching at the university level should not limit themselves to teaching only one subject, but gain experience in teaching a range of subjects as that would deepen and broaden their mathematical knowledge and understanding. A teacher who understands and delivers the contents with conceptual clarity will build confidence of students as well.

Q: Prof. Bajracharya, you are still actively involved in teaching mathematics even after your retirement from TU. What is your opinion regarding the improvement of the mathematics curriculum and evaluation system at the university level?

➤ Mathematics is used in every discipline of science, management, and engineering. It should be always applicable to real-life situations. The curriculum, especially for Bachelor's and Master's level of T.U. focuses more on the theoretical part and lacks in the application. The curriculum is highly ambitious in objective and overloaded in content. The evaluation process is based on mugging up rather than conceptual learning and application. Preparation of the content and process standards for different levels of mathematics is a lacking aspect in the mathematics curriculum in Nepal.

Q: Prof. Bajracharya, how do you evaluate the work of the Nepal Mathematical Society in the present context for the promotion of mathematics education in Nepal?

➤ Nepal Mathematical Society (NMS) is a professional society and has an important role in the popularization of mathematics and the improvement of mathematics education and research in Nepal. It is involved in research and applications of Mathematics from School to University. Increasing national and international workshops, seminars, and conferences conducted by the Nepal Mathematical Society is helping to bring reforms in teaching and research in mathematics in Nepal.

Q: Finally, what role should the Nepal Mathematical Society play in the future for the betterment of mathematics education in Nepal?

➤ Nepal Mathematical Society can make a significant impact in the field of mathematics education in Nepal. Nepal Mathematical Society should establish international and national networks for the popularization and promotion of Mathematics in Nepal. It should conduct various programs regarding research, publications, and dissemination of the application of mathematics. This function should be further strengthened in a wider scope of real-life applications of mathematics. At present, the Nepal Mathematical Society should work for the betterment of schools and university mathematics education and mathematical research. Let's hope the ongoing S₂S Project will make some positive impact.

Short Biography



Prof. Dr. Shailendra Kumar Mishra

About Family

Prof. Dr. Shailendra Kumar Mishra was born on January 2, 1959 in Rauthat, Nepal. His father Late Mr. Ram Nandan Mishra and his mother Late Mrs Chandrama Devi Mishra were farmers. He was the eldest son among two sons and four daughters. His late wife Dr. Nivedita Kumari Mishra was a Lecturer of Sanskrit at the Central Department of Sanskrit. They have one son and one daughter. The Son Dr. Akshat Mishra is a medical doctor who lives in Kathmandu, and the daughter Dr. Richa Mishra is currently working in Maldives. Presently, Prof. Mishra is living with his family in Kathmandu.

Education

He started his primary education at Sedhwagoth Primary School, Rauthat and completed his secondary, higher secondary and undergraduate degree from India. Likewise, he obtained his MSc degree in Mathematics with distinction from Bihar University in BS 2037. In BS 2037, he came back to Janakur Nepal. He successfully completed his Doctor of Philosophy (Ph.D.) in Mathematics from Indian Institute of Technology, New Delhi in BS 2050 under the supervision of Prof B. Chaudhary. The title of his Ph.D. Thesis is *Sequence Spaces and Related Topics*. In BS 2070, he received his Postdoc from Malardalen University, Vasteras, Sweden. His research interests are related to Sequence Spaces, Function Spaces, Mathematical Modeling, DNA Sequencing, Stem and Non Stem Cancer Cell and Summability Theory. He received his eight-months teacher training from Canada and Italy funded by International Labor Organization in BS 2043.

Academic Service

Prof. Mishra started his teaching career as an Assistant Lecturer at Ram Sorup Ram Sagar Campus, Janakpur and Hattisar Campus, Bijaypur, Tribhuvan University, Dharan in BS 2037. He was promoted to the post of Lecturer in Institute of Engineering, Westren Regional Campus, Pokhara in BS 2039. After completing his PhD in 2051 BS, he started his teaching career in Pulchok Engineering Campus as Associate Professor, and was promoted to the post of Professor of Mathematics by Tribhuvan University Service Commission in 2060 BS and worked in Pulchok Engineering Campus until his retirement on 18th Paush 2078 BS. During his 39 years of teaching profession, he has been very popular amongst his students as well as colleagues as an ideal teacher with simplicity and honesty.

Membership and Affiliations

Professor Mishra is a Life Member of Nepal Mathematical Society and served as the executive member in BS 2063, and Advisor in 2069, 2072. He remained a member of the Mathematics Subject Committee Tribhuvan University as well as Chairman of Mathematics Instruction Committee, Chairperson of Mathematics Subject Committee and Chairperson of Department of Science and Humanity at Institute of Engineering, Pulchok. He was the member of Faculty board in the Institute of Engineering. He served as the Director in Centre for Applied Research Division, Institute of Engineering. He was the Chairperson of Science Committee in UNESCO Nepal. Currently he is the board member of School of Mathematical Sciences, Tribhuvan University and Academician in Nepal Academy of Science and Technology (NAST).

Scholarships Received

Professor Mishra received scholarship from the Indian Embassy while studying Master's Degree and a full scholarship while studying from the Indian Institute of Technology, New Delhi.

Medals and Prizes Received

Professor Mishra has been awarded by Mahendra Bidhya Bhusan Padak 'Ka' in 2052 BS and Dirgha Sewa Padak (Medal for 25 year's service period) by Tribhuvan University in BS 2066. He received the best teacher award in BS 2052 from IOE Pulchok. He also awarded by Pragya Samman Patra from Institute of Engineering, Pulchok in 2066 BS and honoured by Nepal Mathematical Society in BS 2078.

Languages Known

English, Nepali, Maithali.

Countries Visited

India, Canada, USA, Italy, Sweden Norway, Finland, Denmark, China.

Research Supervision

4 Ph.D. supervisions, 2 Ph.D. Co- supervisions, 1 MPhil Thesis supervision.

Prof. Mishra also served as Master's and MPhil external supervisor of more than 8 students.

Participations

Prof. Mishra has participated and presented his research paper in more than 20 national and international seminar and workshop in Nepal and abroad including India, Canada, USA, Italy, Sweden, Norway, Finland, China. Few selected national participations are:

- Seventh International Science Conference in 2017 organized by Nepal Academy of Science and Technology, NAST, 2017. Delivered a talk on a paper on "On Some Sequence Spaces with Applications,
- Third National Conference of Science and Technology in March 8 – 11, 1999, Organized by Nepal Academy of Science and Technology and delivered a talk.

Publications

Selected Research Papers

Prof. Mishra has published more than 40 research articles in National and International journals. Few selected papers are:

- (Co-authored), *On Kothe -Toepliz Duals of Certain Sequence Spaces and Their Matrix Transformations* (with Chaudhary, B.), International Journal of Pure and Applied Mathematics, 18(4), 1993.
- (Co-authored), *A Notes on Certain Sequence Spaces* (with Chaudhary, B.), Journal of Analysis, 18(4), 1993.
- (Co-authored), *A Note on Fixed Points For Discontinuous Quasi-monotone Maps in a Sequence Spaces*, Indian Journal of Mathematics, Vol 3, 1995.
- (Co-authored), *New Paranormed Sequence Spaces Generated by an Infinite Matrix*, International Journal of Mathematics Trends and Technology, 2014.
- (Co-authored), *Summability of Some Sequence Spaces, and their Matrix Transformations*, Journal of Advanced Academic Research (JAAR), 2014.
- (Co-authored), *Difference Sequence Spaces and Matrix Transformations*, Journal of the Institute of Engineering, 2009.
- (Co-authored), *Sequence Space Generated by an Infinite Diagonal Matrix*, International Journal of Mathematics Trends and Technology (IJMTT), 2015.
- (Co-authored), *Paranormed Sequence Spaces Generated by Weighted Mean*, IOSR Journal of Mathematics, 2014.
- (Co-authored), *A Note on Exploration of Sequence Spaces and Function Spaces on Interval [0,1] for DNA Sequencing*, International Journal of Sciences, Mathematics and Applied Mathematics), 2014.

Selected Text/Reference Books

- (Co-authored), Inter Calculus Vol. 1 and Volume 2.
- (Co-authored), Vector Analysis for Intermediate Level.
- (Co-authored), Conceptual Mathematics for XI and XII.
- (Co-authored), Applied Mathematics for Engineering.

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on the special occasion of its

45th Anniversary



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003.	Late Prof. Dr. Urmila Pyakurel	Treasurer, 2069
004.	Late Prof. Dhup Ratna Bajracharya	President, 2035; EC Member, 2044; Advisor, 2060, 2063
005.	Late Gauri Shanker Shrestha	Advisor, 2060
006.	Late Prof. Dr. Lalata Prasad Jaiswal	
007.	Late Dr. Raj Deo Prasad Kushwaha	
008.	Late Prof. Dr. Ram Man Shrestha	Secretary, 2035; President, 2044; EC Member, 2050; Advisor, 2063, 2060
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011.	Late Shree Krishna Dahal	
012.	Late Som Kanta Khanal	
013.	Late Prof. Dr. Yoga Ratna Sthapit	Advisor, 2063

List of Life Members with NMS Membership Number

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256	Dipak Pandit

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322	Guru Datta Poudel
323	Guru Datta Sharma
324	Guru Prasad Dhakal
325	Guru Prasad Rijal
326	Gurudas Yadav
327	Prof. Dr. Gyan Bahadur Thapa
328	Assoc. Prof. Gyan Man Bajracharya
329	Gyan Prasad Poudel
330	Gyanendra Gurung
331	Dr. Gyanendra Pokharel
332	Gyanendra Shrestha
333	Gyanu Bashnet
334	Hari Bhajan Gelal
335	Hari Bhakta Gelal
336	Assoc. Prof. Hari Bhakta Pandey
337	Hari Datt Joshi
338	Assoc. Prof. Hari Dev Chaudhary
339	Hari Dutta Pandey
340	Dr. Hari Nandan Nath
341	Hari Pd. Sitaula
342	Hari Poudel
343	Hari Prapanna Kandel (EC Member 2075)
344	Hari Prasad Acharya
345	Hari Prasad Bhatta
346	Hari Prasad Bhattarai
347	Hari Prasad Gawali (EC Member, 2078)
348	Hari Prasad Jamarkattel
349	Hari Prasad Srawali
350	Prof. Dr. Hari Prasad Upadhaya
351	Hari Ram Limbu
352	Hari Ram Puri
353	Hari Saran Pandiy
354	Hari Thapa
355	Prof. Dr. Harihar Khanal
356	Harish Chandra Bhandari
357	Harish Chandra Dhakal
358	Dr. Harish Prasad Bhatt
359	Harka Shrestha
360	Harkh Bahadur Jora
361	Harsh Bahadur Chand
362	Harsh Panthi
363	Prof. Dr. Hem Raj Joshi
364	Hem Raj Pandey (EC Member, 2078)
365	Hem Raj Sigdel
366	Hemant Raj Khanal
367	Hemraj Dhungana
368	Him Lal Parajuli

369	Himal Chandra Belbase
370	Himalaya Ghimire
371	Prof. Dr. Hira Bahadur Maharjan (EC Member, 2035)
372	Hira Bhandari
373	Hiranaya Lal Karmacharya
374	Hom Kumari Adhikari
375	Prof. Dr. Hom Nath Bhattarai (Secretary, 2044; Vice President, 2050; EC member, 2060; President, 2063)
376	Hom Nath Pokhrel
377	Homkant Subedi
378	Huma Nath Pandeya
379	Indra Bahabur Chhetry
380	Indra Mani Niraula
381	Ishwar Regmi
382	Ishwor Bohara
383	Ishwor Gharti
384	Ishwor Gharti
385	Dr. Ishwori Prasad Upadhayaya
386	Assoc. Prof. Dr. Iswar Mani Adhikari (EC Member, 2069; Joint-secretary, 2078)
387	Assoc. Prof. Dr. Iswari Jung Kunwar
388	Assoc. Prof. Jagat Pokhrel
389	Jagdish Gnawali (EC Member, 2075)
390	Janardan Baral
391	Janta Raut
392	Jasbir Roka
393	Jay Narayan Jha
394	Dr. Jaya Bishnu Pradhan
395	Jaya Lal Sharma
396	Jaya Ram Dhakal
397	Jaya Ram Subedi
398	Jayadev Nath
399	Jayanta Acharya
400	Jedu Ram Poudel
401	Dr. Jeetendra Thapa
402	Dr. Jeevan Kafle (Joint-Secretary 2075; EC Member 2072, 2078)
403	Jeevan Sharma
404	Jhal Prasad Adhikari
405	Jhalak Nath Khanal
406	Jnaneshwor Chalise
407	Jhavi Lal Ghimire
408	Jiban Singh Limbu
409	Jiblal Upadhaya
410	Jitendra Prasad Singh
411	Jivan Kafle
412	Jivan Kumar Niraula
413	Jivan Tripathee
414	Prof. Dr. Jivandhar Jnawali
415	Juju Bhai Manandhar (1)
416	Juju Bhai Manandhar (2)
417	Prof. Dr. Jyoti Upadhayaya
418	Kabiraj Dahal
419	Kabiraj Regmi
420	Kabita Kumari Yadav
421	Assoc. Prof. Kabita Luitel (Treasurer, 2066)
422	Dr. Kailash Ghimire (1)

423	Kailash Ghimire (2)
424	Dr. Kaji Prasad Ghimire
425	Kalpana Bogati
426	Kamal Bahadur Khatri
427	Kamal K.C.
428	Kamal Kumar Thapa
429	Kamal Prasad Gautam
430	Kamal Pariyar
431	Kamal Paudel
432	Kamal Prasad Aryal
433	Kamal Raj Bhandari
434	Kamal Raj Joshi
435	Dr. Kamalesh Kumar Lal Karn (EC Member, 2078)
436	Prof. Dr. Kamalmani Baral
437	Dr. Kanchha Bhai Manadhar (EC Member, 2075)
438	Prof. Dr. Kanhaiya Jha (Joint-Secretary, 2066; Secretary, 2072; Advisor, 2078)
439	Kapil Prasad Timalsena
440	Dr. Karan Singh Thagunna
441	Kashi Lal Chaudhary
442	Kedar Khanal
443	Kedar Nath Chhatkuli (EC Member, 2066)
444	Prof. Dr. Kedar Nath Uprety (Secretary, 2069; Advisor 2072, 2075)
445	Assoc. Prof. Dr. Kedar Nepal
446	Kedar Prasad Nepal
447	Kedar Raj Pathak
448	Keshab Prasad Adhikari
449	Keshab Prasad Parajuli
450	Keshab Raj Phulara
451	Prof. Keshab Sitouala (EC Member, 2072)
452	Prof. Dr. Keshar Singh Rana
453	Keshav Bhattarai
454	Keshav Adhikari
455	Keshav Khanal
456	Assoc. Prof. Keshav Lal Shrestha
457	Keshav Paudel
458	Dr. Keshav Raj Acharya
459	Khagendra Adhikari (EC Member, 2072)
460	Khagendra Karki
461	Assoc. Prof. Khagendra Pokharel
462	Khagendra Pradhan
463	Assoc. Prof. Dr. Khageshwar Mandal
464	Khem Raj Koirala
465	Khem Raj Pandey
466	Dr. Khim Bahadur Khatri
467	Dr. Khim Raj Shrestha (1)
468	Khim Raj Shrestha (2)
469	Khum Bahadur Basnet
470	Kishna Datt Pant
471	Kishor Bhandari
472	Assoc. Prof. Kishor Gautam (EC Member, 2060)
473	Kishor Kumar Chalise
474	Km Rita
475	Dr. Koshal Raj Dahal
476	Assoc. Prof. Dr. Kripa Sindhu Prasad
477	Krishna Bahadur Bista
478	Krishna Bahadur Budhathoki

479	Assoc. Prof. Dr. Krishna Bahadur Chand
480	Krishna Bhurtel
481	Krishna Chandra Poudel
482	Krishna Deo Yadav
483	Assoc. Prof. Krishna Dev Bhagat
484	Assoc. Prof. Dr. Krishna Kanta Parajuli
485	Krishna Khanal
486	Prof. Dr. Krishna Kumar Shrestha (EC Member, 2060; Advisor, 2072)
487	Krishna Mangal Joshi
488	Krishna Mani Joshi
489	Krishna Prasad Adhikari
490	Assoc. Prof. Dr. Krishna Prasad Bhandari
491	Krishna Prasad Bhatt
492	Krishna Prasad Aryal (1)
493	Krishna Prasad Aryal (2)
494	Krishna Prasad Dhakal
495	Krishna Prasad Jnawali
496	Krishna Prasad Joshi
497	Krishna Prasad Kandel
498	Dr. Krishna Prasad Pokhrel
499	Krishna Prasad Tiwari
500	Krishna Raj Dhakal
501	Krishna Raj Pandey
502	Krishna Subedi
503	Krishna Thapa
504	Assoc. Prof. Kula Nand Chaudhary
505	Kumar Ghimire
506	Kumar Subedi
507	Prof. Kumbh Bahadur Chand
508	Kush Lal Pradhan (EC Member, 2035)
509	Laba Krishna Shrestha
510	Lalit Thapa
511	Lalmani Bhandari
512	Lava Chandra Shrestha
513	Laxman Bahadur Kunwar
514	Laxman Basnet
515	Laxman Karki
516	Laxman Lamichhane
517	Laxman Sitaula
518	Laxmi Mahato
519	Dr. Laxmi Prasad Paudel
520	Assoc. Prof. Lila Bahadur K.C.
521	Lila Prasad Bagale
522	Liladhar Neupane
523	Lok Bahadur Gurung
524	Assoc. Prof. Lok Nath Adhikari
525	Lok Nath Bhattarai
526	Loken BC
527	Dr. Lokendra Prasad Paudel
528	Madan Bahadur Chand
529	Madan Bhandari
530	Madan Mahat
531	Madan Raj Ojha
532	Dr. Madhab Prasad Sharma
533	Madhav Prasad Poudel
534	Madhav Sigdel
535	Madhu Krishna Shrestha

536	Madhu Sudan Devkota
537	Madhusudan Prasad Mandal
538	Madhusudan Rimal
539	Prof. Dr. Mahendra Panthee
540	Maheshwar Parajuli
541	Maheshwar Pokharel
542	Prof. Maheshwor Prasad Upadhayaya
543	Makbul Ahmad
544	Man Bahadur Basnet
545	Man Bahadur Bhujel (EC Member, 2075)
546	Man Bahadur Chand
547	Man Bahadur Subedi Ranabhat
548	Prof. Dr. Mana Raj Joshi (EC Member, 2035)
549	Mangal Prasad Sapkota
550	Mani Prasad Sigdel
551	Manju Kumari Deo
552	Manoj Gautam
553	Dr. Manoj Gyawali
554	Dr. Manoj Karki
555	Manoj Kumar Gupta
556	Manoj Kumar Mahato
557	Assoc. Prof. Dr. Manoj Kumar Raut
558	Manoj Prasad Sigdel
559	Manu Kanal
560	Matand Poudel
561	Mausam Adhikari
562	Meena Machamasi
563	Megh Raj Acharya
564	Meghraj Chaudhary
565	Merina Sthapit
566	Milan Hladik
567	Milan Lal Manandhar
568	Min Raj Lamichane
569	Mina Gumanju
570	Mithilesh Kumar Lal
571	Mitra Bandhu Baral
572	Mohan Bahadur Chand
573	Mohan Bikram Malla
574	Mohan Chandra Adhikari
575	Mohan Kumar Raut
576	Mohan Raj Bhatta
577	Molhu Prasad Jaiswal
578	Moti Prasad Giri
579	Assoc. Prof. Mukhi Lal Chaudhary
580	Dr. Mukta Bahadur Bhandari
581	Mukunda Bahadur Shrestha
582	Prof. Dr. Mukunda Gajurel
583	Prof. Dr. Mukunda Prakash Kshetree
584	Mukunda Prasad Rijal
585	Murari Pandey
586	Naba Raj Adhikari (EC Member, 2069)
587	Naba Raj Kandel
588	Nabin Acharya
589	Nabin Baral
590	Nabin Kumar Gajurel
591	Nabin Magar
592	Nabin Pathak

593	Assoc. Prof. Nabonaryan Jha
594	Nabraj Bhandari
595	Nabraj Koirala
596	Nanda Kishor Kumar
597	Nandu Prasad Koiri
598	Nanu Kala Lamichhane
599	Nar Bahadur Chand
600	Dr. Nar Singh Rawal (EC Member, 2063)
601	Narayan Chapagain
602	Narayan Datt Bhatta
603	Narayan Dhakal
604	Narayan Kumar Karki
605	Narayan Pandey
606	Narayan Poudel
607	Prof. Dr. Narayan Prasad Pahari (EC Member, 2066; Vice-president 2072, Advisor, 2075; President, 2078)
608	Narendra Kumar Rana
609	Assoc. Prof. Dr. Narendra Narayan Jha
610	Narendra Prasad Limboo
611	Naresh Pant
612	Naryan Prasad Adhikari
613	Nathmal Agrawal
614	Nava Raj Bhandari
615	Navaraj Kandel
616	Navaraj Neupane
617	Prof. Dr. Naveen Kumar Vaidya
618	Dr. Naveen Kumar Mahato
619	Navin Poudel
620	Nawraj Tiwari
621	Dr. Neelam Subedi
622	Assoc. Prof. Dr. Netra Khanal
623	Netra Prasad Bastola
624	Nilam Kharel
625	Nilam Shrestha
626	Niraj Sharma
627	Nirak Kumar Shahi
628	Niranjan Gyawali
629	Nirmal Gurung
630	Nirmal Kumar Darlami
631	Nirmal Marahatta
632	Nirul Tulldham
633	Assoc. Prof. Nissar Ahmad (EC Member, 2063)
634	Assoc. Prof. Nuchhe Shoba Tuladhar
635	Om Kumari Gaha
636	Om Narayan Shrestha
637	Prof. Dr. Om Prakash Niraula
638	Om Prasad Sharma
639	Paban Poudyal
640	Padam Ghimire
641	Padam Prasad Ghimire
642	Padam Raj Ghimire
643	Padma Thapa
644	Pahalman Shrestha
645	Prof. Dr. Panch Deo Yadav
646	Pant Kumar Sah
647	Assoc. Prof. Dr. Parameshwari Kattel (Joint Secretary, 2072; Secretary, 2078)

648	Parashmani Nepal
649	Pardip Paudel
650	Parishwar Acharya
651	Parmeshor Rijal
652	Parsuram Chaudhary
653	Pashupati Aryal
654	Dr. Pavan Kumar Jha
655	Assoc. Prof. Dr. Pawan Kumar Karn
656	Pawan Kumar Shah
657	Pawan Shrestha
658	Phan Bahadur G.C.
659	Phanindra Kumar Katel
660	Assoc. Prof. Dr. Phanindra Prasad Bhandari (EC Member, 2078)
661	Pharsu Ram Bhandari
662	Pitambar Acharya
663	Pitambar Tiwari
664	Piyush Raj Gosain
665	Prabin Gyawali
666	Prabin Tiwari
667	Pradeep Godar Chhetri
668	Pradip Bagale
669	Pradip Bahadur Thapa
670	Pradip Pandel
671	Dr. Pradip Raj Aryal
672	Pradip Subedi
673	Prajjwal Thokar
674	Prajwal Bir Singh Kansakar
675	Prakash Das Shrestha
676	Prakash Ghimire
677	Prakash Karki (1)
678	Prakash Karki (2)
679	Prakash Manandhar
680	Prof. Dr. Prakash Muni Bajracharya (Treasurer, 2050; Advisor, 2075)
681	Prof. Prakash Ratna Shakya (Joint-Secretary, 2050; Advisor, 2066)
682	Prakash Shrestha
683	Pralhad Sangraula
684	Pramod Kumar Chaudhary
685	Pramod Prasad Poudel
686	Prashat Raja
687	Dr. Prem Bahadur Chand
688	Prem Bahadur Mahat
689	Prem Bahadur Rana
690	Prem Gurung
691	Prem Kumari Dhakal
692	Prem Narayan Khanal
693	Prem Narayan Pokharel
694	Prem Prakash Kaphle
695	Assoc. Prof. Dr. Prem Sagar Bhandari
696	Assoc. Prof. Prem Shah
697	Prem Shrama
698	Pritam Pun
699	Purna Prasad Sharma
700	Purushottam Parajuli
701	Purushottam Sapkota
702	Pushpa Nidi Gautam
703	Puskar Nath Phulara

704	Assoc. Prof. Dr. Puskar Raj Pokharel (EC Member, 2066, 2069)
705	Pushkar Rayamajhi
706	Puspa Malla
707	Prof. Dr. Puspha Raj Adhikari (Treasurer, 2044; Advisor, 2069)
708	Rabi Acharya
709	Rabi Gupta
710	Assoc. Prof. Rabi Ratna Shakya (EC Member, 2066)
711	Rabi Shankar Kumar Singh
712	Rabin Koirala
713	Rabindra Adhikari
714	Rabindra Nath Gajurel
715	Assoc. Prof. Dr. Rabindra Prasad Kayastha
716	Raphi Bhandari
717	Raghu Bir Bhatta
718	Raghu Raj Prasad Singh
719	Raghunath Prasad Chaurasiya
720	Rahul Baniya
721	Rahul Chauhan
722	Raj Kumar Badal
723	Raj Kumar Khatri
724	Assoc. Prof. Raj Kumar Mahato
725	Raj Kumar Pradhan
726	Raj Kumar Shah
727	Raj Narayan Singh
728	Prof. Dr. Raj Narayan Yadav (EC Member 2072)
729	Assoc. Prof. Raja Ram Acharya
730	Rajan Thapa
731	Rajaram Thapaliya
732	Rajendra Bhattarai
733	Rajendra K.C.
734	Rajendra Pant
735	Rajendra Paudel
736	Rajendra Prasad Neupane
737	Rajendra Regmi
738	Rajendra Singh Madai
739	Rajesh Chandra Poudel
740	Prof. Rajesh Kumar Thagurathi
741	Rajesh Prasad Shrestha
742	Rajib Belbase
743	Rajiv Kumar Sah
744	Raju Augi
745	Raju Chuka
746	Raju Dharel
747	Prof. Dr. Raju Ram Thapa (Advisor, 2078)
748	Rakesh Satyal
749	Rakesh Yadav
750	Ram Avatar Yadav
751	Ram Bahadur Thapa
752	Prof. Ram Biswas Prasad Shah
753	Dr. Ram Chandra Dhungana
754	Ram Chandra Dhungana
755	Dr. Ram Chandra Neupane
756	Ram Chandra Rimal
757	Ram Chandra Sigdel
758	Ram Chandra Subedi
759	Ram Datta Bhatta

760	Ram Datta Joshi
761	Ram Janam Chaudhary
762	Ram Krishna Lamichhane
763	Ram Krishna Panthi
764	Ram Krishna Regmi
765	Ram Krishna Rimal
766	Prof. Dr. Ram Prasad Ghimire (EC Member, 2060)
767	Ram Prasad Niraula
768	Ram Prasad Poudel
769	Ram Prasad Subedi (Mukesh)
770	Ram Prasad Subedi (RP)
771	Ram Prit Ray
772	Ram Raja Thakuri
773	Ram Uday Shah
774	Raman Kumar Karn
775	Ramchandra Dhungana
776	Assoc. Prof. Dr. Ramesh Chandra Timsina
777	Ramesh Dahal
778	Ramesh Gautam (EC Member 2075)
779	Ramesh K.C.
780	Dr. Ramesh Karki (1)
781	Ramesh Karki (2)
782	Ramesh Khanal
783	Ramesh Kumar Acharya
784	Ramesh Kunwar Thapa
785	Ramesh Prasad Awasthi
786	Ramesh Thapa (1)
787	Ramesh Thapa (2)
788	Prof. Dr. Ramjee Prasad Pandit
789	Dr. Ramji Sharma
790	Dr. Ramlakhan Sah
791	Ramrohit Dhawal
792	Rana Bahadur Giri
793	Rana Raj Giri
794	Assoc. Prof. Dr. Ranjan Kumar Singh
795	Ranjeet Kumar Poddar
796	Ranjit Kumar Mandal
797	Ratan Lal Chaudhary
798	Ratna Man Shankhdev
799	Ratnesh Lal karna
800	Ravi Kumar Keshari
801	Ravi Shankar Kumar Singh
802	Ravindra Mishra
803	Resham Prasad Poudel
804	Rewati Khanal
805	Assoc. Prof. Dr. Riddhi Jung Shah
806	Rinitzin Namgyel (Bhutan)
807	Rip Bahadur Magar
808	Assoc. Prof. Rishi Kesh Nepal
809	Rishi Ram Bagale
810	Rishi Ram Gaire
811	Rishi Ram Paudel
812	Rita Gautam
813	Ritu Basnet Thapa (EC Member 2075)
814	Rohit Kumar Paudel
815	Rom Harsh Panthi

816	Roma Maharjan
817	Roshan Lamichhane
818	Roshan Naharki
819	Rudra Bahadur Pradhan (EC Member, 2035)
820	Rudra Hari Gyanawali
821	Rudra Prasad Subedi
822	Ruka Nath Dhamala
823	Rukma Nath Poudyal
824	Ruma Manandhar
825	Dr. S. Balasubra Manian (India)
826	Sabindra Giri
827	Sabindra Maharjan
828	Sabita Bashyal
829	Sachin Wagle
830	Sagar Dahal
831	Sagar koirala
832	Sagar Regmi
833	Sagar Upadhayay
834	Sahadeb Upretee
835	Prof. Dr. Sailendra Kumar Mishra (EC Member, 2063; Advisor 2069, 2072)
836	Sajan Kumar Limboo
837	Salikram Adhikari
838	Dr. Samir Shrestha (EC Member, 2072)
839	Samir Wagle
840	Samir(Rajkumar) Dahal
841	Samjhana Koirala
842	Samundra Timalisina
843	Sanat Kumar Acharya
844	Sandip Dhungana
845	Sangam Pageni
846	Sanjay Gopal Shrestha
847	Sanjaya Basnet
848	Sanjaya Kumar Karna
849	Sanju Gaire
850	Santosh Basnet
851	Dr. Santosh Bhattarai
852	Santosh Gautam
853	Assoc. Prof. Dr. Santosh Ghimire (EC Member, 2069)
854	Santosh Gnawali
855	Dr. Santosh Kandel
856	Santosh Linkha
857	Prof. Dr. Santosh Man Maskey (Advisor, 2063, 2066)
858	Santosh Parajuli
859	Dr. Santosh Pathak
860	Santosh Poudel
861	Sanu Maharjan
862	Sarak Dangol
863	Sarala Devkota
864	Sarala Luitel
865	Dr. Saraswoti Acharya
866	Saroj Acharya
867	Dr. Shashidhar Belbase
868	Satya Narayan Rajbhandari (Joint Secretary 2035)
869	Satya Narayan Sah
870	Shailendra Maharjan
871	Shakil Kumar Shrestha

872	Shambhu Gautam
873	Shamvu Jha
874	Shankar Bhurtel
875	Shankar Gyawali
876	Shankar Pariyar
877	Prof. Dr. Shankar Raj Pant (Secretary, 2050; President, 2060; EC Member, 2063; Advisor, 2066)
878	Shankat Kandel
879	Shanshila Pudasaini
880	Prof. Dr. Shanti Bajracharya
881	Shanti Prasad Kafle
882	Shanti Ram Adhikari
883	Shanti Ram Subedi
884	Sharada Pahari
885	Prof. Sharada Shrestha (Vice President, 2066; EC Member 2069)
886	Sharmila Acharya
887	Sharmila Kasula
888	Sharmila Shrestha
889	Shatrughna Prasad Gupta
890	Sher Bahadur Chand
891	Sher Bahadur Chettri
892	Dr. Sher Singh Raikholra (EC Member, 2069)
893	Shesraj Kumar Sharma
894	Dr. Shitanshu Shekhar Chaudhary
895	Shiv Shankar Pandit
896	Assoc. Prof. Shiva Bahadur Karki
897	Shiva Hari Subedi
898	Shiva Neupane
899	Dr. Shiva Prakash Gupta
900	Shiva Prasad Bastola
901	Prof. Dr. Shiva Prasad Pudasaini
902	Shiva Prasad Sapkota
903	Shiva Raj Bartaula
904	Shova Adhikari
905	Shrawan Kumar Chaudhary
906	Shrawan Kumar Karn
907	Shree Prasad Dhakal
908	Shree Prasad Ghimire
909	Assoc. Prof. Dr. Shree Ram Khadka (EC Member, 2060; Treasurer, 2063; Vice President, 2078)
910	Dr. Shrijana Dhakal
911	Shuva Bakash Gupta
912	Shyam Kumar Jha
913	Shyam Manandhar
914	Shyam Singh Mauni
915	Shyam Sundar Sah
916	Prof. Dr. Siddhi Prasad Koirala (EC Member, 2066; Advisor, 2069)
917	Siddhi Prasad Pradhananga
918	Siddhi Raj Joshi
919	Sitaram Ghimire
920	Srijana Ghimire
921	Subas Acharya
922	Subash Chandra Jha
923	Subash Dhakal
924	Dr. Subhash Subedi
925	Sudarshan Shah
926	Sudeep Neupane

927	Sudip Kumar Upadhayay
928	Sujan Kafle
929	Sukra Lohani
930	Suman Gautam
931	Suman Khadka Chhetry
932	Dr. Suman Kumar Jha
933	Suman Timsina
934	Sumant Gupta
935	Sumant Kumar Gupta
936	Sundar Shrestha
937	Sundar Tamang
938	Sunil Karna
939	Sunil Khanal
940	Sunil Kumar Jha
941	Surender Pandey
942	Surendra Basnet
943	Surendra Kumar Ghimire
944	Surendra Nepal
945	Surendra Paudel
946	Assoc. Prof. Surendra Prasad Singh
947	Assoc. Prof. Dr. Surendra Raj Pathak
948	Surendra Roy
949	Dr. Suresh Sahani
950	Surendra Shrestha
951	Surendra Thagunna
952	Suresh Bhatta
953	Suresh Bhatta
954	Suresh Kumar
955	Suresh Kumar Sah
956	Suresh Kumar Yadav
957	Surya Bahadur Bhandari
958	Dr. Surya Bahadur Thapa Magar
959	Surya Kumar Yadav
960	Surya Prasad Chapagain
961	Surya Prasad Ghirhe
962	Surya Raj Lamichhane
963	Dr. Surya Thapa Magar
964	Sushant Dahal
965	Sushil Aryal
966	Assoc. Prof. Dr. Sushil Chandra Karna
967	Dr. Sushil Ghimire
968	Sushil Khadka
969	Susmita Pathak
970	Sushmita Shrestha
971	Suyog Dahal
972	Prof. T.N. Pandey (India)
973	Tank Prasad Bhattra
974	Tanka Kafle
975	Tanka Bahadur Bhandari
976	Prof. Dr. Tanka Nath Dhamala (Secretary 2063, President 2072, Adviser 2075, 2078)
977	Tara Datta Badu
978	Assoc. Prof. Tara Paudel
979	Dr. Tara Prasad Banjade (EC Member, 2078)
980	Tark Raj Bhatta
981	Tarka Raj Joshi
982	Tauleshwor Prasad Chaudhary

983	Dr. Tej Bahadur Shrestha
984	Tek Bahadur Budhathoki (EC Member, 2078)
985	Tersang Lama
986	Thakur Prasad Pokharel
987	Thaneswor Bhandari
988	Thinley Namgyel (Bhutan)
989	Tika Panthi
990	Assoc. Prof. Tika Ram Bhusal (EC Member, 2063)
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