Editorial

First of all, we wish you all happy New Year 2076 for your sound health, peace, prosperity, academics and research. Nepal Mathematical Society (NMS) is an organization for mathematics professionals in Nepal and abroad. NMS regularly conducts different activities such as workshops, seminars, monthly talks, national and international conferences. We are extremely delighted to bring out this 41st issue of NMS newsletter on the auspicious occasion of its 41st anniversary. From the past few decades, NMS is actively involved in various activities to uplift the status of mathematics in Nepalese context. We believe that NMS can play a crucial role to ensure fast progress of mathematical activities and to give positive message about popularization of mathematics among mathematical and non-mathematical communities. Keeping this fact in mind, present executive committee is trying to be more active and sincere.

The newsletter highlights the activities of the society and its members during Baisakh 2075 to Chaitra 2075 (14 April 2018-13 April 2019). In this issue, we have included an interview of Prof. Dr. Bhadra Man Tuladhar and a short biography of Prof. Dr. Hom Nath Bhattarai, two well-known mathematicians of Nepal. We extend our sincere thanks to our valued life members and to the organizations that have supported us in many ways to strengthen the activities of NMS and hope for the same for the years to come.

Editorial Board

Chief Editor	:	Prof. Dr. Dil Bahadur Gurung
Editors	:	Dr. Dinesh Panthi
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	:	Mr. Ajay Kumar Chaudhary
	:	Dr. Ajaya Singh
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	:	Mr. Uday Karna
	:	Mr. Hari Prapanna Kandel
	:	Mr. Jagadish Gnawali
	:	Ms. Ritu Basnet Thapa

Message from the President

It is a great honor and tremendous pleasure for me to congratulate all the valued mathematicians on commemorating 41st anniversary of Nepal Mathematical Society (NMS) and during this occasion launching its newsletter of Issue No. 15, May 2019.

It is a special honour and privilege to undertake my responsibility since September 2018 as the president of NMS. On behalf of NMS and its executive committee, I would like to acknowledge the untiring effort paid by the past Presidents, executive committees and all valued life members for contributing their valuable time and bringing this society at this stage via conducting many activities nationally and internationally.

NMS founded in 1979, is one of the oldest and pioneer scientific societies in Nepal. Currently, NMS has 668 life members till date and conducts various activities to promote mathematical research and education, thereby contributing substatially to science and culture in Nepal.

NMS has been organizing several annual activities such as National Conference on Mathematics and its Applications, Provincial Workshop in Technical Writing in Science and Technology, Interaction on Project Work Guiding, National Quiz in Mathematics and research/general talks from Nepalese and International renowned mathematicians.

NMS is also committed to some global agenda through its international activities. NMS has been organizing many scientific events on relevant topics with its own initiations and also on different national and international collaborations. NMS organized the international conference ANMS-2016, jointly with ANMA, Tribhuvan University and Kathmandu University and is also going to organized ANMS-2019 in Pokhara. We are going to organize International Conference on Analysis and Its Applications in May 29-31, 2020 in Kathmandu University.

We all know that Mathematics is the foundation of Science and the most intellectual art in human society. Its impact on applied discipline is constantly increasing in this new era of information technology.

Finally, on behalf of NMS, I thank all of you who have constantly supported Mathematics, and request you to continue encouraging our activities.

Sicerely yours
Prof. Dr. Chet Raj Bhatta
President, NMS

A Glimpse of the Activities of Nepal Mathematical Society

40th Anniversary of NMS:

Date: May 12, 2018
Chief Guest: Prof. Dr. Tirth Raj Khaniya Vice Chancellor, TU
Special Guest: Prof. Dr. Kul Prasad Koirala, Vice Chancellor NSU

Chaired by: Prof. Dr. Tanka Nath Dhamala, President NMS

General Assembly

The general assembly of Nepal Mathematical Society was held on Bhadra 16, 2075. The assembly was divided into two sessions. The first session of the assembly was chaired by the NMS President Prof. Dr. Tanka Nath Dhamala. He mainly focused on the NMS activities during its 3-years tenure. The secretarial report was presented by Prof. Dr. Kanhaiya Jha and the detailed income-expenditure report was presented by the treasurer Mr. Tulasi Prasad Nepal. In the session conducted by NMS Joint-Secretary Mr. Parameshwari Kattel, many life members actively participated in the discussion after the reports of secretary and treasurer.

NMS Fellowship for securing highest score in all semesters of Master's level examination in the batch-2072 were awarded to Mr. Bijay Subedi and Ms. Binita Bhatta. Mr. Lila Prasad Bagale and Ms. Susmita Shrestha were also awarded for securing the highest scores in the first and the second semesters of the batch-2073. The second session elected the following new executive committee unanimously for the tenure 2075-2078 after the three-membered election committee was formed under the coordinatorship of Prof. Dr. Santosh Man Maskey including the members, Mr. Babu Ram Chapagain and Mr. Tek Bahadur Budhathoki.

President:	Prof. Dr. Chet Raj Bhatta
Vice President:	Prof. Dr. Dil Bahadur Gurung
Secretary:	Dr. Dinesh Panthi
Joint-Secretary:	Mr. Jeevan Kafle
Treasurer:	Mr. Ajay Kumar Chaudhary
Members:	Mr. Man Bahadur Bhujel
	Mr. Ramesh Gautam
	Dr. K. B. Manandhar
	Mr. Uday Kumar Karn
	Mr. Hari Prapanna Kandel
	Mr. Jagdish Gnawali

Later the full executive committee nominated Dr. Ajaya Singh and Ms. Ritu Basnet Thapa as NMS executive members.

NMS-Fellowship Award 2019

Nepal Mathematical Society (NMS) organized NMS-Fellowship Award Distribution Program on March 28, 2019 at Central Department of Mathematics, Tribhuvan University. In the program, seven PhD, three MPhil and two Master's students were awarded the respective amounts of Rs. 35000/- 25000/- and 25000-each with the token of love.

The Nick Simons Foundation supported the fund for fellowship. Dr. James H. Simons was himself present in the program as the Chief guest and distributed the award. Dr. Simons is a pioneer mathematician, a successful hedge

fund manager, a multi billionaire, and a philanthropist. He was also awarded an honorary life membership of Nepal Mathematical Society, and involved actively in the interaction program with Nepalese mathematicians and students. Dr. Simons shared his own research experiences to motivate the researchers in mathematics. The program was chaired by the NMS President Prof. Dr. Chet Raj Bhatta. He also welcomed the honorable guests and all valued life members and also delivered a presentation on Activities of Nepal Mathematical Society and highlighted the importance of such fellowships to motivate young researchers of Mathematics. Prof. Dr. Kedar Nath Uprety (HoD, CDM, TU), and Prof. Dr. Tanka Nath Dhamala (Immediate Past President of NMS) also put their precious remarks about various mathematical activities in Nepal. NMS Secretary Dr. Dinesh Panthi handed over the proposal with some future programs that really focused on the enhancement of teaching and learning of Mathematics in various university campuses of Nepal. Vice President Prof. Dr. Dil Bahadur Gurung expressed the vote of thanks, and Mr. Parameshwari Kattel conducted the program.

NMS PhD Fellowship awardees for the year 2019 are:

1) Mr. Ananda Prasad Panta
2) Mrs. Gauri Bhuju
3) Mrs. Kabita Luitel
4) Mr. Raj Kumar Pradhan
5) Mrs. Sharmila Shrestha
6) Mr. Shiv Prakash Gupta
7) Mr. Suresh Ray

NMS MPhil Fellowship awardees for the year 2019 are:

1) Mr. Bhimsen Khadka
2) Mr. Keshav Paudel
3) Mr. Santosh Gautam

NMS Master's Fellowship awardees for the year 2019 are:

1) Mr. Khem Raj Dhakal
2) Ms. Srijana Koirala

Guru Felicitation and Mathematical Sciences Excellence Award - 2019

Mathematical Sciences Trust, Nepal organized Guru Felicitation and Mathematical Sciences Excellence Award - 2019 dated on March 28, 2019 in collaboration with Nepal Mathematical Society. Prof. Dr. Yog Ratna Sthapit, Prof. Dr. Bhadra Man Tuladhar, Prof. Dr. Hom Nath Bhattarai, Kedar Jwalanand Rajopadhyay, Uday Lal Shrestha, Dwarika Nath Gajurel, Lav Chandra Shrestha and Bhai Raja Ranjit were felicitated in the program. Prof. Dr. Bal Chandra Luitel and Dr. Saraswati Acharya were awarded Mathematical Sciences Excellence Award-2019. The first President of Republic Nepal Dr. Ram Baran Yadav, as Chief Guest of the program handed over the felicitations and prizes. The

program was chaired by Prof. Dr. Ram Man Shrestha, the President of Mathematical Sciences Trust, Nepal. The coordinator of the program was Prof. Dr. Siddhi Prasad Koirala, the President of Nepal Mathematics Centre.

Project Work Guiding Program for Bachelor's Level in Mathematics

Nepal Mathematical Society organized "Project Work Guiding program for Bachelor's Level in Mathematics" on Mangsir 25, 2075 in Amrit Campus, Lainchaur, Kathmandu. The program was chaired by NMS President Prof. Dr. Chet Raj Bhatta. The chief guest of the program was Campus Chief of Amrit Campus, Mr. Rajesh Mahaju. In the program, two resource persons Dr. Durga Jang KC and

Dr. Santosh Ghimire delivered their talks on Features of Project work, its Importance, and Way of Writing Project Work respectively. More than hundred students from Amrit Campus, Tri-chandra Campus and Patan Campus were present. This program was basically designed for the faculties of Mathematics and bachelor third/fourth year students of Mathematics.

Celebration of International Day of Mathematics (IDM-2019)

Nepal Mathematical Society celebrated International Day of Mathematics (IDM) on March 14th, 2019 jointly with Department of Mathematics,Tri-Chandra Campus. A large number of senior teachers of mathematics along with young researchers and students participated in the program. The program was chaired by NMS President Prof. Dr. Chet Raj Bhatta.The chief guest of the program was Prof.Dr.Hom Nath Bhattarai, a former President of NMS and also a former Vice Chancellor of NAST.

Prof. Dr. Shankar Raj Pant (a former President of NMS), Prof. Dr. Pradip Kumar Bhattarai (President of Nepal Physical Society), Prof. Dr. Mohan Siwakoti (President of Nepal Botanical Society), Asst. Dean Dr. Khageshwor Mandal, Prof. Dr. Pradip Bahadur Neupane, Campus Chief of Tri-Chandra Campus, Asso. Prof. Nishar Ahamad (HoD of Mathematics) put their remarks.

Prof. Bhattarai emphasized the sole objectives of IDM to meet its sustainable goal for 2030 and wished for the grand success of the program.

Dr. Shree Ram Khadka from CDM delivered a talk on "Mathematics on Disaster Management". Dr. Samir Shrestha from KU delivered a talk on "Mathematics Modeling and Computer Simulation", and Mr. Pawan Bishowkarma delivered a talk on "Convergence of the Ratio of Perimeter of Regular Polygon to the length of its longest diagonal as the Number of sides of Polygon Approches to Infinity". The scientific talk was chaired by Prof. Bhattarai, Prof. Pant and Prof. Koirala.

The program was conducted by Dr. Dinesh Panthi and

welcome speech was delivered by Mr. Mangal Sapkota and vote of thanks by Prof. Sarada Shrestha.

NMS Chitwan Chapter and Council for Mathematics education, Chitwan jointly organized and celebrated International Day of Mathematics (Pi- Day). Chief of Education Development Coordination Committee of Chitwan, Prof. Dr. Prakash Muni Bajracharya, Campus Chiefs of Birendra Multiple Campus, Balkumari Campus, Saptagandaki Multiple Campus, Bhuwanishankar Campus, Presidents PABSON Chitwan, HISSAN Chitwan, Members of Mathematics Education Forum Chitwan, Mathematics teachers of Chitwan district were present in the programme. Similarly, NMS Biratnagar Chapter and NMS Sudurpaschim Chapter and NMS Pokhara Chapter also celebrated IDM arranging various kinds of mathematical activities.

National Mathematical Quiz (NMQ-2019)

Nepal Mathematical Society organized National Level Mathematical Quiz (NMQ-2019) on Magh 10-12, 2075 at Kathmandu World School, Gundu Bhaktpur. The inaugural program was chaired by NMS president Prof. Dr. Chet Raj Bhatta. Prof. Dr. Chandra Mani Poudel, the chairman of NEB, Sanothimi was the Chief guest of the program. The Chairman of HISSAN, Prof. Dr. Ram Man Shrestha, Prof. Dr. Binod Parajuli, Er. Ramesh Shrestha (Principal, Sagarmatha Engineering College), CEO of Kathmandu World School Dr. Rajendra Ghising put their remarks on quiz. Secretary of NMS Dr. Dinesh Panthi expressed welcome speech, Program coordinator Mr. Niraj Sharma put his remaks on rules and regulations of quiz. Mr. Ajay Kumar Chudhary the treasurer of NMS put vote of thanks. Mr. Jeevan Kafle was MC of the program. Sixty-four Higher Secondary Schools from all seven provinces of Nepal participated the quiz program. The program was supported by Kathmandu World School, Sagarmatha Engineering College, Cosmos College of Engineering, Advanced College

of Engineering, Lalitpur Engineering College, Kantipur Engineering College, National College of Engineering, PEA Association Pvt Ltd. and Sukunda Pustak Bhawan . The closing program was chaired by NMS president Prof. Dr. Chet Raj Bhatta. Director General of CDC, Dr. Lekh Nath Poudel was the Chief guest of the program.

The winners of the Quiz were

Champion: Bal Krishna Acharya and Pratik Bhandari of The Times College, Kathmandu

First Runner Up: Rujal Acharya and Manoj Mukhiya of Nepal Mega College, Kathmandu.

Second Runner Up: Birat Duwadi and Samir Shrestha of New Capital College, Chitwan.

Consolation: Bijay Bhattarai and Diwakar Lamichhane of St. Lawrence College, Kathmandu

7th National Conference on Mathematics and Its Applications (NCMA-2019)

Nepal Mathematical Society organized the 7th National Conference on Mathematics and Its Applications (NCMA-2019) which was held from January12-15, 2019 in Butwal. In the conference about 200 participants from Nepal and India were present. Mananiya Sudarsan Baral, the minister of Social Development of Province-5 inaugurated the conference by lighting the lamp and expressed his deep concern in existing teaching and learning environment in Nepal. He illustrated some scientific facts and emphasized on researches that should be carried out for teaching and learning Mathematics in schools and universities. The NMS President, Prof. Dr. Chet Raj Bhatta focused on the importance of research acitivities for the development of nation. In the conference, there were about 80 oral and 20 poster presentations made by researchers from Nepal and

India. More than 15 distinguished guests including mayors of Butwal Sub metropolitan, Mr. Shiv Raj Subedi, Mayor of Siddhartha Municipality Mr. Hari Adhikari, Mayor of Saina Maina municipality Mr. Chitra Bahadur Karki, Vice president of central HISSAN Prof. Dr. Ramchandra Acharya, Chief of Butwal Multiple Campus Dr. Sakhi Sharan Subedi, Chief of Bhairahawa Multiple Campus Mr. Anil Kumar Jha, Head of National Examination Board of Province-5 Mr. Tika Ram Aryal, Head of Department of Education Section of Butwal Sub metropolitan Mr. Lok Raj Panthi, Director of School of Mathematical Sciences Prof. Dr. Prakash Muni Bajracharya, Dean of School of Science Prof. Dr. Kanhaiya Jha, Associate Dean of Institute of Science and Technology T.U. Dr. Khageshwar Mandal, Sub Mayor of Butwal Sub Metropolitan Mrs. Goma Devi Acharya expressed their best wishes for the success of the conference. The program was jointly conducted by Secretary Dr. Dinesh Panthi and Joint Secretary Mr. Jeevan Kafle.

There was a closing ceremony of the conference chaired by Prof. Dr. Chet Raj Bhatta. Mananiya Sudarsan Baral, the Minister of Social Development of Province-5 was the Chief guest. The speech of special guest, the mayor of Waling was really inspiring and motivating. Tokens of Love and certificates were distributed to them who had assisted the conference economically, and physically. The conference concluded with grand success. This was only possible with the combined efforts of subcommittee coordinators, members who put their continuous efforts to make this conference a huge success.

Papers Presented in NCMA-2019

Prof. Dr. Kanhaiya Jha: Mathematics Through Geometry

Dr. Raju Ram Thapa: Stability of the Sitinikov's Restricted Three Body Problem if Primaries are Oblate Spheroid

Tulasi Prasad Nepal: Teaching and Learning Linear Algebra in B.Sc. Second Year of Tribhuvan University

Sharmila Shrestha: Temperature Distribution in Breast Tissue Model with Different Stages of Cancer

Binod Prasad Pant, Dr. Bal Chandra Luitel: Making Mathematics and Science Teaching Live: Prospects of STEAM Education in Nepal

Prof. Dr. R. N. Yadav, S. R. Pathak, S. K. Chakrabarti: An Excursion on Graph Theory

Bijaya Adhikary, **Dr. Samir Shrestha:** A Mathematical Study of Rumor Transmission Dynamics in a Society

Badri Prasad Pangeni: Location-Allocation Models Based on Topological Structures

Basanta Raj Lamichhane: Symbolic Violence in Mathematics Classroom

Kushal Dhakal: Random Number Generation Using the Chaotic Motion of a Double Pendulum

Prof. Dr. Binod Prasad Dhakal: How Non Convergent Series are Summable ?

Dr. K. B. Manadhar: Types of Compatible Mappings and Compatible Mapping of Type (K)

Puskar R. Pokhrel, Prof. Dr. Bhadra Man Tuladhar: Specification of a Generalized Quasi Two-phase Bulk Mixture Mass Flow Model

Pankaj Jain, Prem Bahadur Chand: Derivative Free Highly Efficient Methods of Aitken Type Together with Their Dynamics

Jayanta Acharya: The Binomial Theorem and the Yavadunam Sutra

Jagdish Gnawali: Dynamical Analysis of Lotka-Volterra Predator-Prey Model at Nonhyperbolic Critical Point

Keshab Prasad Adhikari, Prof. Dr. Narayan Prasad Pahari: A Study on Fixed Point Theorems in Partial Metric Space

Chhabi Lal Bhusal: Solution of Differential Equations by Using Laplace Transform

Rabindra Kumar Gupta: Mathematical Modeling of Infectious Disease

Keshab Prasad Parajuli: Math Club for Enhancing Learner Autonomy

Dr. Shree Ram Khadka, Phanindra P Bhandari, Stefan Ruzika: Non-conservation Flow Constraint Aspect of Evacuation Planning Problem

Krishna Kanta Parajuli, Prof. Dr. Kanhaiya Jha, Prof. Dr. Samba Raj Acharya, Prof. Dr. Santosh Man Maskey: Application of the Vedic Sutra "शून्यं सँमयसमुच्चये" for Solving Different Algebraic Equations

Raj Kumar Pradhan, Dr. Samir Shrestha, Prof. Dr. Dil B Gurung: Mathematical Study of Pedestrians and Vehicles Interaction at Crossing the Roads

Laxman Karki: A Study of Dignaga Logic by Means of Fuzzy Logic

Ramesh Khanal, Suraksha Sharma, H.R. Koirala: A Systematic Review to Reduce the Study Anxiety: Sudarshan Kriya Yogic

Segar Dahal, Irina Aryal: Continuous Assessment System (CAS) in Mathematics Classroom in Private Schools: A Narrative Inquiry

Niroj Dahal: Integration of Geogebra in Teaching Mathematics

Krishna Kant Chaudhary, Dr. Raju Ram Thapa: Comparision of Three and Four Body Problem

T. R. Sardar: Topological Injective Tensor Product of Separated Convex Space

Dr. Manish Sharma : Some Results on Fixed Point in Bipolar Metric Spaces

Dr. Samir Shrestha: Monte Carlo Method to Solve Diffusion Equation and Error Analysis

Parameshwari Kattel, **Prof. Dr. Bhadra Man Tuladhar:** Debris Flow Obstructions and Guided Flows Due to Lateral Solid Walls

Shesraj Kumar Sharma: Linear Space and Linear Transformation: An Alternative Approach

Panchdeo Yadav: Fuzzy Soft Sets: Algorithm Design

Bharat Bahadur Thapa, Shiv Prasad Neupane, Dr. Samir Shrestha, Prof. Dr. Dil Bahadur gurung: Deterministic Holling-Tanner Prey-Predator Model

Ganesh Sapkota, Ram Prasad Ghimire: Transient Solution of an M/M(a,b)/c Vacation Queuing Model with a waiting Server and Impatient Customers

Parshu Ram Chaudhary: Counting and Measurement System in Tharu Community

Laxman Bahadur Kunwar: Mathematical Modeling of Population Growth for Single Species

Sharmila Acharya: Application of Mathematics in Economics Basically in the Field of Elasticity

Ram Krishna Panthi: Application of Mathematics for Social Justice: A Theoretical-Philosophical Analysis

Rakesh Satyal: Model: Future Potential of Research in Nepal

Prof. Dr. Naryan Prasad Pahari: On Some Sequence Spaces and Function Spaces Using Summability Theory

Dr. Manoj Kumar Raut, **Dr. Suman Kumar Jha, Dr. Raju Ram Thapa:** Existence of Fuzzy Field

Kamalesh Kr. Lal Karn: Analyzing Fuzzy Rule-Based Expert system for a Health Care Diagnostic System monitoring vital signs of Human Patient

Rudrahari Gyawali, Dr. Eka Ratna Acharya: How to Make Mathematics Easy

Shiva Datta Dawadi: Attitudes Towards Mathematics: An Indicator of Students' Achievement in Mathematics

Nirmal Marahatta, Dr. Samir Shrestha: Mathematical Simulation on Neplease Stock Price

Dr. Jivandhar Jnawali: Some Higher Order Convergent Iterative Methods for solving Nonlinear Equations

Dr. Sushil Chandra Karna, Gita Shrestha: Satellites: The Stability of the Equilibrium Positions of the System

Ramesh Chandra Timsina: Comparison of Finite Difference Schemes for Water Flow in Unsaturated Porous Medium (soil)

Phanindra Prasad Bhandari, Shree Ram Khadka: On Network Contraflow Evacuation Planning Problem

Pawan Shrestha: Regularity of 2D Surface Quasi Geostrophic Equation

Irina Aryal, Sagar Dahal: Mathematics Fun Subject: Perception of Students and Mathematics Teachers

Dr. Khageshwar Mandal: β-change of C-reducible Finsler Space

Ananda Prasad Panta, **Ram Prasad Ghimire:** Performance Evaluation of M/M/s/N Queueing System with Working Breakdowns and Server Vacations

Bhuwan Prasad Ojha, Prof. Dr. Prakash Muni Bajracharaya: Some Particular Cases of Carlsson's Orthogonality on Normed Linear Spaces

Rajendra Pant: Higher Order Newton Type Iterative Methods and their Dynamics

Indra Mani Shrestha, Dr. Bal Chandra Luitel: Touching the Untouchables: Paving The Nonlinear Path of Teaching and Learning of Mathematics

Hari Prasad Gnawali: A Brief Note on Maximal Monotone Operator

Dr. Ajay Singh: Smartphone in Mathematics Teaching and Learning

Dr. Ram Lakhan Sah: Applications of Fuzzy and Soft Sets to Decision Making Problems

Kabita Luitel: Analytical Study of the Effect of Ambient Temperature and Metabolism for Temperature Distribution in Living Tissue during Perspiration

Jhavi Lal Ghimire, Prof. Dr. Narayan Prasad Pahari: On a Space of Entire Vector Sequences and its Generalizations by Orlicz Function

Ajay Kumar Chaudhary: On g- Contraction Condition in Probabilistic Metric Space

Sher Singh Rawat, **Dr. Shashidhar Belbase:** Application of Mathematics in Daily Life: Moving From Concrete to Abstract Thinking

Shiv Prasad Neupane: Evaluation of Seismic Performance of Buildings in Nepal: A Comparative Study for the Pre- and Post-Earthquake Constructions

Indradev Yadav: Diabetes: Partial Differential Equation

Ravi Keshari, Jeevan Kafle: Block Matrix Multiplication

Jeevan Kafle, Jivan Tripathee, Durgesh Ojha: Development of Numbers System and its Impact and Application on Different Human Cultures

Supriya Dhakal, Raj Kumar Pradhan: Interpolation of Discrete Data Points Using Numerical Method

Rodip Datheputhe, Raj Kumar Pradhan: Brachistochrone Problem

Aman Ganeju, Raj Kumar Pradhan: Integration Using Numerical Method

Prof. Dr. Dil B. Gurung: Mathematical Modeling Approach and Some Models

Dr. Gokul KC: Thermal Effects of Air Flow in Human Eye

Buddhi Prasad Sapakota: Effects of Different Window Positions on a Naturally Ventilated Kitchen

Dr. Pavan Kumar Jha, Dr. Dinesh Panthi, Prof. Dr. Kanhaiya Jha: A Common Fixed Point Theorem for Two Pairs of Mappings

Pitamber Tiwari: Fractal Geometry: Mathematics of Natural Shape

Prem Gurung: Estimation of Air Pollutants in an Atmosphere with Variable Dry Deposition and Gravitational Settling Velocity

Janardan Baral: Exploring the Practice of Using Cultural Heritage in Mathematics Teaching: An Ethnographic Inquiry in a Nepali Classroom

Dr. Dinesh Panthi: Some Fixed Point Results in Dislocated Metric Space

Dr. Prem Sagar Bhandari: A Mathematical Model on Dispersion of Air Pollutants

Shyam Sundar Sah, Prof. Dr. R. P. Ghimire: Performance Evaluation of Finite Capacity M/M/1 Queueing Model under Various Server Vacations

Gopal Prasad Acharya: A Comparative Study of the Efficacy of the Column Generation Over Lagrangian Relaxation Approach to Solve Multi commodity Flow Problems

Bharat Raj Wagle: Performance Analysis of Closed Queueing Network Systems with Finite Capacity

Jeevan Kafle, Prof. Dr. Bhadra Man Tuladhar: Mathematical Modeling and Simulation of Two-phase Debris Flow and Submarine Obstacle Interactions

Talk Program

Talk programs organized by Nepal Mathematical Society

Prof. Dr. Bhadra Man Tuladhar: Kathmandu University, on the topic *Summation of Divergent Series* on December 6, 2018 at Central Department of Mathematics, TU Kirtipur.

Prof. Dr. Sylvia Wiegand: University of Nebraska, USA on the topic *Revisiting Nearly Noetherian Domains Inside Power Series Rings* dated October 8, 2018.

Dr. Narayan Thapa: Department of Mathematical Sciences, Cameron University, Oklahoma, USA, on the topic "Research Experiences For Undergraduate in Nepal", in May 7, 2019.

Prof. Dr. Roger Wiegand: University of Nebraska,USA on the topic *Semi-group Modules,* on October 8, 2018

Prof. Dr. Jan Francu: Faculty of Mechanical Engineering Brno University of Technology, Czech Republic on the topic *On Limits of Weakly Converging Sequences* dated on April 15, 2019.

Dr. **Naveen Mahato**: University of Kaiserslautern, Germany on the topic *Numerical methods for macroscopic pedestrian flow models* dated on April 15, 2019.

Interaction with Director General of Curriculum Development Center

Nepal Mathematical society organized a meeting with the director general of CDC Dr. Lakh Nath Poudel. In the program, detailed discussion about existing curriculum syllabus of class XI and XII was made. NMS Secretary Dr. Dinesh Panthi handed over an application for the improvement of structure of the curriculum. Joint secretary Mr. Jeevan Kafle and some EC members actively took part in the discussion.

Interaction Program on Course of Class XI and XII in Mathematics

Nepal Mathematical Society organized an interaction program dated in 2075/08/03, jointly with Council for Mathematics Education, Nepal Mathematics Centre, Mathematical Sciences Trust Nepal and WoNiMS. A rigorous discussion on the curriculum structure of class XI and XII was made. A committee of six members was formed for combined works in future on the issues of course structures of school level curricula in Mathematics. NMS president is the coordinator of committee; presidents of above mentioned organizations are members and NMS secretary is the member secretary. More than 30 senior mathematicians were present in the interaction program.

Well Wish Sharing Program

Nepal Mathematical Society organized the Well Wish Sharing program at IOE, Pulchowk on Aswin 20, 2075 on the occasion of forthcoming Dashain, Tihar, Chhat, Nepal Sambat and some other festivals of Nepal. The program was chaired by NMS President Prof. Dr. Chet Raj Bhatta. More than 100 mathematicians including senior professors were present in the program. All present mathematicians shared

their wishes to each other for the great festivals of Dashain, Tihar, Chhat, Nepal Sambat and some other festivals of Nepal. Some professors delivered their meaningful remarks about their life in mathematical activities. NMS president focused his remarks on the purpose of this program. He mentioned that such type of program will help prosper the relationship among the members of the society and prepare to make combined effort for conducting mathematical activities in coming days.

Provincial Workshop On Technical Writing in Science and Technology (PWTWST):

Nepal Mathematical Society organized Provincial Workshop on Technical Writing in Science and Technology (PWTWST) jointly with Aishwarya Multiple Campus, Dhangadhi. The chief guest of the program was the Chief of the Sudurpaschim Pradesh *Mananiya* Mohan Raj Malla. The chief guest inaugurated the program by lighting the lamp in *panas*. The program was chaired by the President of Nepal Mathematical Society. The special guest *Mananiya* Dilli Raj Pant, former MP Shree Maheshwor Pathak, Shree Narpa Bahadur Oad, Mayor, Dhangadhi submetro Politian city addressed the workshop. About fifty participants from various university campuses participated the workshop. Prof. Dr. Chet Raj Bhatta, Prof. Dr. Prakash Muni Bajacharaya, Prof. Daya Ram Poudel, Dr. Saraswati Acharya, Dr. Dhirendra Thakur, Dr. Jivandhar Jnawali, Dr. Shree Ram Khadaka, Mr. Prem Bahadur Chand delivered their talks on different topics.
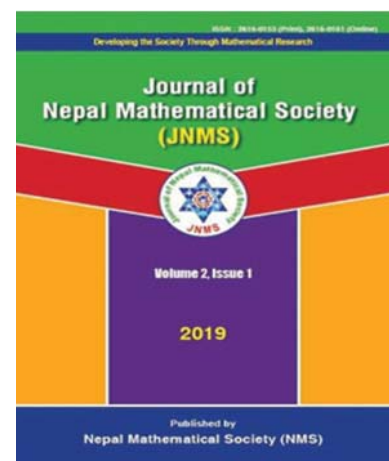

Interaction cum Workshop Program

Nepal Mathematics Centre in association with Nepal Mathematical Society organized an *Interaction cum Workshop Program on Mathematics Curriculum: Grade XI and XII* dated on February 16, 2019 at Kathmandu. MEC

and WoNiMS were also the collaborative organizations of this program. A fruitful debate and discussion on existing and new curriculum of mathematics of grade XI and XII was performed by various mathematicians of Nepal. More than 60 mathematicians participated the program.

Publication of Vol. 2 (1) of Journal of Nepal Mathematical Society (JNMS)

Volume 2 issue 1 of JNMS has been published both in on line and print form. It consists of five research artcles in different fields of pure and applied mathematics. The editorial board of JNMS requests national and international authors/researchers to submit their research/ review articles for its upcoming issues. Nepal Mathematical Society acknowledges and appreciates Mr. Ananda Krishna Shrestha (Sukunda Pustak Bhandar, Kathmandu, Nepal) for his support to publish this issue in print form.

Publication of Proceeding of NCMA-2019

NMS has published the proceedings of the 7th National conference on Mathematics and its Applications-2019 (NCMA-2019) which was held in Butwal Rupandehi in January 2019. Proceeding consists of 19 research and review articles.

Participation Representing NMS in China

Six delegates representing Nepal Mathematical Society participated and presented their works in China. The Silkroad Mathematics Center (SMC), Beijing had organized an International Conference in Mathematical Optimization during April 8-13, 2019. President of NMS Prof. Dr. Chet Raj Bhatta attended the steering committee meeting held on April 11 and also participated the conference. Prof. Bhatta delivered a colloquium talk on the topic *Nepal Mathematical Society for the Development of Nation*. Prof. Dr. Tanka Nath Dhamala and Prof. Ram Prasad Ghimire delivered their invited talks. Research Scholars Mr. Sushil Ghimire, Mr. Shyam Sundar Shah and Mr. Phanindra Prasad Bhandari also participated with their presentations. SMC had organized the 12th International Conference on Numerical Optimization and Numerical Linear Algebra during April 15-18, 2019 in Shangrao, Jianxi, China.

NMS PhD Fellowship awardees of 2018: The following 16 PhD students of different universities of Nepal were awarded the amount Rs 25000/- each with a certificate. The prize was supported by Nick Simons Foundation, USA.

Mr. Bishnu Hari Subedi
Mr. Ishwarmani Adhikari
Mr. Hari Nandan Nath
Mr. Ram Chandra Dhungana
Mr. Phanindra Prasad Bhandari
Mr. Sushil Ghimire
Mr. Shesraj Kumar Sharma
Mr. Parameshwari Kattel
Mr. Puskar Raj Pokhrel
Mr. Jeevan Kafle
Mr. Khim Bahadur Khatri
Mr. Ganga Ram Phaijoo

Mr. Kumar Subedi
Mr. Pavan Kumar Jha
Mr. Shyam Sundar Shah
Mr. Sushil Ghimire

NMS-ANMA Fellowship: Following master's level students received the NMS-ANMA Fellowship for the year 2018.

Mr. Ashok Badaila
Ms. Sanskriti Dhakal

CONGRATULATIONS!

NMS expresses heartfelt congratulations to

Newly elected Executives of NMS Pradesh Chapter -5; Mr. Seshraj Sharma Bhattarai (*President*), Mr. Tulsi Prasad Sapkota (Vice-President), Mr. Gopal Acharya (Secretary), Mr. Thaneshwor Bhandari (Joint Secretary) and Mr. Pitambar Tiwari (Treasurer) and the members Govinda Gautam, Hari Bahadur Thapa, Rabindra Gupta, Parsu Ram Chaudhary, Suman Gautam, Milan Manandhar, Tilak Sapkota.

Newly elected Executives of NMS Chapter Sudurpaschim Pradesh: Mr. Raghubir Bhatta (President), Atma Ram Adhikari (Vice-president), Narayan Datta Bhatta (Secretary), Harsh Bahadur Chand (Joint secretary), Prem Bahadur Chand (Treasurer), and the Members Dr. Dhirendra Thakur, Jay Dev Nath, Rajendra Pant, Dal Bahadur Saud, Hark Bahadur Chand, Lalit Pant.

Dr. K. B. Manandhar: for being appointed as a Chairman of Innovative Academy, Banepa.

NMS expresses heartfelt congratulations for the appointments and promotions of the following Life Members of NMS.

Appointments

Prof. Dr. Kanhaiya Jha: Dean of School of Science, Kathmandu University, Nepal

Mr. Yogendra Shah: Campus Chief of Patan Multiple Campus, Lalitpur

Mr. Kedar Chhatkuli: Assistant Campus Chief of Amrit Campus, Lainchour

Anil Kumar Jha: Campus Chief of Bhairahawa Multiple Campus, Rupandehi

Bhadra Raj Tripathi: Assitant Campus Chief of Gorkha Multiple Campus, Gorkha.

Promotions

Dr. Dil Bahadur Gurung has been promoted in the post of Professor in Mathematics in Kathmandu University, School of Science.

Dr. Ram Prasad Ghimire has been promoted in the post of Professor in Mathematics in Kathmandu University, School of Science.

Dr. Chinta Mani Pokhrel has been promoted in the post of Professor in Mathematics (open) in Institute of Engineering, Pulchowk Campus, Tribhuvan University.

Dr. Raju Ram Thapa has been promoted in the post of Professor in Mathematics in Post Graduate Campus, Tribhuvan University, Biratnagar.

Dr. Gyan Bahadur Thapa has been promoted in the post of Professor in Mathematics in Institute of Engineering, Pulchok Campus, Tribhuvan University.

NMS extends congratulations to

Dr. Saraswati Acharya for receiving Mathematical Sciences Excellence Award awarded by Mathematical Sciences Trust, Nepal

Mrs. Sharmila Shrestha for receiving PhD Fellowship by University Grants Commission, Nepal for the year 2018 under Science and Technology.

Award of PhD Degree

Ganga Ram Phaijoo has completed PhD in Mathematics from Kathmandu University in 2018 on the topic *Study of Dengue Disease Transmission Dynamics by Mathematical Models.*

Pavan Kumar Jha has completed PhD in Mathematics from Nepal Sanskrit University in 2018, on the topic *Historical Developments of Some Fixed Point Results in Metric Space and Its Relation with Vedanta Philosophy.*

Prem Sagar Bhandari has completed PhD degree in Mathematics on the topic *A Study of Mathematical Models for Air Pollution* in the year 2018.

Mr. Jaya Bishnu Pradhan has completed his PhD degree in Mathematics from Tribhuvan University, Faculty of Education on the topic *Cultural Metaphor for Mathematical Understanding in Nepalese Context* in the year 2018.

Mr. Suman Kumar Jha has completed his PhD degree in Mathematics from T. M. Bhagalpur University, India on the topic *On Fuzzy Normed Linear Space* in the year 2018.

Award of MPhil Degree in Mathematics: Following Students received MPhil degree from different universities of Nepal in the year 2018.

1. Anup Tuladhar (Kathmandu University)
2. Bharat Bahadur Thapa (Kathmandu University)
3. Nirmal Marahatta (Kathmandu University)
4. Himalaya Ghimire (Kathmandu University)
5. Ajay Kumar Chaudhary (Kathmandu University)
6. Harish Chandra Bhandari (Kathmandu University)
7. Durga Prasad Khanal (Tribhuwan University)
8. Pushpa Narayan Shrestha (Tribhuwan University)
9. Amar Bahadur Karki (Tribhuwan University)

Activities of NMS Members

Prof. Dr. Kanhaiya Jha participated and delivered an invited talk in an International Conference on Numerical Analysis, Computing & Applications in Science, Engineering & Technology (ICNumACA 2018) organized by Mohandas College of Engineering and Technology (M_CET), at Anad, Trivandrum, Kerala, India from December 17 – 20, 2018. He was also one of the members of the Scientific Advisory committee of this event. Prof. Jha participated and delivered an invited talk in a Conference on Mathematical Sciences and Developments (CMSD 2018) organized by the Department of Mathematics, Dr. Bhimrao Ambedkar University Agra from December 22 – 24, 2018. He chaired a scientific session and gave an interview to National News Paper "Amar Ujala" that was published on December 25, 2018.

Prof. Dr. Ram Prasad Ghimire presented the paper entitled "Dynamic Performance Evaluation of Finite Capacity Multi-Server Queueing System with Vacations" in ICM-2018 in Rio deJanerio, Brazil held from August 1-10, 2018.

Dr. Dinesh Panthi delivered a research talk as a Keynote Speaker on the topic "On Some Fixed Point Results in Dislocated Metric Space" in the 19th International Pure Mathematics Conference -2018 (IPMC-2018) held in August 17- 19, 2018 in Islamabad, Pakistan. He delivered a talk on the topic "Some Fixed Point Results Satisfying Meir- Keeler Type Contractive Conditions in Dislocated Metric Space " in International Conference on Mathematical Studies and Applications-2018 (ICMSA-2018) held in October 4 – 6, 2018 at Karamanoğlu Mehmetbey University, Karaman,Turkey. He also chaired a scientific session of the conference.

Dr. Shree Ram Khadka visited Techinical University of Kaiserslautern, Germany in the capacity of faculty visit under the GraTho collaboration among Tribhuvan University, Nepal, Technical University of Kaiserslautern, Germany and Mindanao University, the Philippines during June 20 - July 20, 2018. He conducted a CIMPA research school on dynamical systems in the Central Department of Mathematics, Tribhuvan University, Nepal in the capacity of local coordinator which was held during 25 October to 5 November, 2018.

Dr. Raju Ram Thapa delivered a talk on Time period of Third body in Sitnikov's restricted three body problem when primaries are sources of radiation, National Seminar on Application of Technical terms in Research and teaching in Computer Science and Mathematics and International conference on Recent advances in Mathematics and Scientific Computing, 18-19 September, 2018, Magadh Univarsity, Bodhgaya, India.

Dr. Saraswati Acharya participated in the workshop on parallel programming and supercomputer, organized by Department of Natural Sciences (Physics), held at Kathmandu University, Dhulikhel, Nepal, during February 10 to 12, 2019. She Participated 7th National Conference on Mathematics and Its Applications, Organized by Nepal Mathematics Society, January 12 to 15, 2019. She also participated on the workshop "Numerical Solutions of Partial Differential Equations" (DUNE PDE Lab), in COMSATS University Islamabad, Pakistan organized by Heidelberg University, Heidelberg, Germany and COMSATS University, Islamabad, Pakistan, October 1 to 5, 2018. Dr. Acharya delivered a talk in Provincial Workshop on Technical Writing in Science and Technology, jointly organized by Nepal Mathematics Society and Aishwarya Multiple Campus, Dhangadhi, Kailali, January 9 to 11, 2019.
She presented a paper in World Meeting for Women Mathematicians, (WM)^2 and International Congress of Mathematicians, ICM 2018 in Rio-de Janeiro, Brazil, July 31 to August, 10, 2018.
She presented a paper in the Annual conference of the Indian Women and Mathematics (IWM-2018) at the Shiv Nadar University (in the National Capital Region), India, June 21 to 23, 2018.

Dr. Kaji Prasad Ghimire presented a paper on the topic Science Students' Beliefs: Effects on Mathematics Learning in 23rd International Conference of International Academy of Physical Sciences (CONIAPS XXXIII) on Advances in Physical Sciences to Achieve Sustainable Development Goals during November 16-18, 2018 organized by Nepal Academy of Science and Technology (NAST) at Kathmandu

Keshav Prasad Parajuli facilitated a training session in Access Intensive Leadership Camp organized by NELTA in collaboration with the US Embassy, Kathmandu in Pokhara, Kaski (May 2018). He participated in the Teaching Excellence and Achievement (TEA) Program: Gender Equity Cohort at Bowling Green State University, Ohio,

USA in 2018. He also presented Paper at the National Conference of NELTA in March 2019. He Participated in International Scrabble Championship in Bangladesh (April 2019)

Hari Nandan Nath presented a paper entitled *Network Flow Approach for Computing Optimal Sink Location in Evacuation Planning* in the 2nd International Conference on Advances in Computational Mathematics, Tribhuvan University, Kathmandu, Nepal during 23-24, 2018. He presented a paper on the topic, *A Path Saving Strategy with Arc Reversals for Evacuation Planning* in the International Conference on Recent Advances in Informatics, Communication, Management, Health & Applied Sciences (RAICMHAS-2019), Brainware University, Kolkata, India February 2 – 4, 2019. He was Support by DAAD IPID4all program for Research Stay at Technical University of Freiberg Germany (April 1 - June 30, 2019)

Mr. Sushil Ghimire attended a workshop-seminar on Graph Theory and Optimization with Applications in Industry and Society (Linear, Integer and Multi-Criteria Optimization) from March 12 – 23, Kathmandu. He presented a paper in international conference organized by Association of Asia Pacific Operational Research Society (APORS) from August 6 – 9, Kathmandu, Nepal.

Mr. Ajay Kumar Chaudhary presented a paper entitled "On Some Contraction Conditions in Probabilistic Metric Space" at the *23rd International Conference of International Academy of Physical Sciences (CONIAPS XXIII)* on Advances in Physical Sciences to Achieve Sustainable Development Goals during November 16-18, 2018 organized by Nepal Academy of Science and Technology (NAST). Mr. Chaudhary participated and presented a paper on the topic "On Contraction Conditions and Fixed-Point Results in Probabilistic Metric Space" in the International *Workshop on Fixed Point Theory and its Applications (IWFTA-2019)* organized by Department of Mathematics, Jamia Millia Islamia, New Delhi, India from March 15-17,2019.

Sharmila Shrestha presented a paper entitled "Effect of Sweat Evaporation on Temperature Distribution Model in Normal and Tumorous Female Breast Tissue" at the *2nd International Conference on Advances in Computational Mathematics (ICACM-2018)*, Kirtipur Nepal from 23-24 December, 2018. She presented a paper on the topic "Comparative Study of One Dimensional Temperature Distribution Model in Breast Tissue with and without Tumor " at *International Conference on New Frontiers in Mathematics and Symposia on I-function and its Applications, Mathematics in Data Science* on the occasion of Silver Jubilee Year of Gwalior Academy of Mathematical Sciences, Jiwaji University, Gwalior (MP), India during December 11-13, 2018. She participated with poster presentation entitled "FEM Approach for Transient Temperature Distribution in Female Breast Tissue with and without Tumor" at Annual Conference of Indian Women

and Mathematics, Shiv Nadar University, India during 21-23 June 2018.

She also participated in CIMPA Research School on Dynamical System at CDM, Kirtipur during October 25 – November 5, 2018. She participated CUI-IWR joint workshop on "Numerical Solution of Partial Differential Equations and open source software DUNE-PDELab" at Islamabad, Pakistan 1–5 October 2018. She participated 2nd International Conference on Advances in Computational Mathematics (ICACM-2018) at CDM, Kirtipur during December 23-24, 2018.

She participated in the International Conference on New Frontiers in Mathematics and Symposia on I-function and its Applications, Mathematics in Data Science at Gwalior (MP), India, December 11-13, 2018.

Mr. Raj Kumar Pradhan presented a paper in International Conference on New Frontiers in Mathematics and Symposia on I-function and its Applications and Mathematics in Data Science, Jiwaji University, Gwalior (M. P.) India in 11-13 December 2018. He participated in CIMPA Research School for Dynamical System at CDM, Kirtipur during October 25 – November 05, 2018 and in Lecturer Training Course at the Royal University of Phnom Penh, Cambodia, October 01- 05, 2018, supported by Heidelberg Graduate School of Mathematical and Computational Methods for the sciences.

Mr. Kumar Subedi delivered a talk on the topic "Some Fixed Point Results in Dislocated Metric Space " in International Conference on Mathematical Studies and Applications-2018 (ICMSA-2018) held in October 4 – 6, 2018 at Karamanoğlu Mehmetbey University, Karaman,Turkey. He participated in the International *Workshop on Fixed Point Theory and its Applications (IWFTA-2019)* organized by Department of Mathematics, Jamia Millia Islamia, New Delhi, India in March 15-17,2019.

Mrs. Kabita Luitel presented a paper on the topic "Sensible and Insensible Perspiration for Temperature Distribution in Cylindrical Living Tissue" at International Conference on New Frontiers in Mathematics and Symposia on I-function and its Applications & Mathematics in Data Science" at Gwalior India during11 – 13 December 2018. She presented a paper entitled "Temperature Distribution on Cylindrical Living Tissue due to Perspiration" at 2nd International Conference on Advances in Computational Mathematics (ICACM- 2018) at Kirtipur, Nepal during 23- 24 December 2018. She participated at CIMPA-Nepal Research School on Aspects of Dynamical System during Oct. 25 – Nov. 6, 2018 at Kirtipur, Nepal . She also participated on Workshop on Graph Theory and Optimization with Application in Industry and Society (Linear, Integer and Multi-criteria Optimization) at CDM Kirtipur during March 12- 23, 2018

Buddhi Prasad Sapkota participated and presented a paper on, Advances in Computational Mathematics (ICACM) in the 2nd International Conference Jointly organized by Central Department of Mathematics Tribhuvan University (TU) and South Asian University (SAU), India in December 23-24, 2018. He presented paper on "Indoor Air Flow Distribution in a Naturally Ventilated Kitchen under Different Ventilation Conditions: A Numerical Simulation. He also participated in international school on Dynamical Systems from Kartik 8-19, 2075 organized jointly by the Central Department of Mathematics, Tribhuvan University and International Centre of Pure and Applied Mathematics (CIMPA). He also bears an academic responsibility of Program Coordinator of Bachelors in Computer Applications Program in R.R. Campus, T.U.

Phanindra Prasad Bhandari presented a paper on the topic *On Non-Conservation Flow Model of Evacuation Planning* Problem" on 11th Triennial Conference of Association of Asia Pacific Operational Research Societies (APORS 2018, August 6-9, Kathmandu). He presented a paper on the topic *"On Maximum Dynamic Flow Problem with Non-Conservation Flow Constraints"* on 2nd International Conference on Advances in Computational Mathematics (ICACM-2018, December 23-24, Kathmandu).
He presented a paper entitled *Evacuation Planning Problem with Non-Conservation Flow Constraints* in the 9th Nepal Geological Congress held at Kathmandu during November 19-21, 2018. He visited University of Kaiserslautern, Germany under GraThO Project during May-July 2018.

Ananda Prasad Panta presented a paper entitled *Performance Evaluation of Finite Capacity Multi-server Queueing System with Vacations* in the International Conference on Mathematical Studies and Applications 2018 organized by Karamanoglu Mehmetbey University, Karaman, Turkey, on October 4-6, 2018.

Mr. Parameshwari Kattel participated in the Lecturer Training at the Royal University of Phnom Penh, Cambodia: Efficient Algorithm and Combinatorial Optimization, on October 01-05, 2018, organized and supported by HGS Math Comp, Germany. He Participated in International Conference on Advances on Computational Mathematics (ICACM-2018) at Kirtipur, Kathmandu, on December 23-24, 2018 and presented a paper entitled *Computational experiments on two-phase debris flow-structure-interaction and flow-obstruction.* He participated on the workshop on Knowledge for Climate at Seewis, Switzerland on February 6-8, 2019, organized and supported by the swissuniversities Development and Cooperation (SUDAC) and presented a paper on the topic *Vulnerability of climate change in Nepal: Local narratives and adaptive strategies.* He participated in European Geosciences Union General Assembly 2019 (EGU-2019), Vienna, Austria on April 7-12, 2019 and presented a paper entitled *A model for three-phase debris flow with novel virtual mass forces (EGU2019-8528).*

Mr. Puskar Raj Pokhrel participated in ICUI-IWR (Interdisciplinary Center for Scientific Computing) Joint

Workshop on Numerical Solution of Partial Differential Equations (DUNE/PDE Lab, 2018), October 1 - 5, 2018, COMSATS University, Islamabad, Pakistan and presented paper a paper entitled *Multiscale Modeling of Quasi Two-Phase Mixture Mass Flow Model.* He participated in International Conference on Advances on Computational Mathematics (ICACM-2018), December 23 - 24, 2018, Tribhuvan University, Kathmandu, Nepal and presented a paper entitled *Description of a New Generalized Quasi Two-Phase Mixture Mass Flow Model.* He participated in European Geosciences Union General Assembly 2019 (EGU-2019), April 7 - 12, 2019, Vienna, Austria and presented a paper entitled *A simple stream function-vorticity formulation of mixture mass flows..*

Mr. Jeevan Kafle participated in International Conference on Advances on Computational Mathematics (ICACM-2018) at Kirtipur, Kathmandu, on December 23-24, 2018 and presented a Paper entitled *Mathematical Modelling and Simulation of Two-phase Debris Flow and Submarine Obstacle Interaction*. He participated in International Conference on Nano-Sciences and High Energy Physics (ICNHEP-2019) organized by Central Department of Physics, Tribhuvan University (TU), Nepal from 4-6 February, 2019 and presented paper entitled Numerical Investigation of the interaction between two-phase landslide and submarine obstacle, and induced tsunami. He participated on CUI-IWR Joint Workshop on Numerical Solutions of Partial Differential Equations (DUNE/PDE Lab) jointly organized by Heidelberg University and COMSATS University in Islamabad, Pakistan from 1-5 October, 2018. and presented a paper entitled *Submarine-flow-obstacle-interaction using two-phase mass flow model*. He participated in European Geosciences Union General Assembly 2019 (EGU-2019), Vienna, Austria on April 7-12, 2019 and presented paper entitled *A two-phase debris flow model with turbulence. European Geophysical Union General Assembly 2019, Vienna, Austria*.

NMS extends best wishes to

Prof. Dr. Ramji Prasad Pandit
Mr. Ram Autar Yadav
Mr. Dilli Raj Neupane
for their retired life from their university job.

Basic Information (The CAS President's International fellowship)

The CAS President's International fellowship Initiative, PIFI, is a specific funding program to attract talented foreigners to CAS for scientific exchanges and research cooperation. It is open to scientific research personnel from around the globe, of the types, distinguished scientists, visiting scientists, postdoctoral researchers, special experts, young staff, PhD student, Master's student. Interested mathematics faculties and young students can visit the website **http:/international-talent.cas.cn**

NMS has become a member society of the Silkroad Mathematics Center, Beijing, China. NMS President Prof. Chet Raj Bhatta has been nominated as one of the members of Streeing Committee of the center.

"Universe deprived of Mathematics is a Black Hole"

Prof. Dr. Bhadra Man Tuladhar

Professor Dr. Bhadra Man Tuladhar is a well-known mathematician of Nepal. He is Founder Member & Professor of Kathmandu University (KU), and the Chair Person of Ananda Kuti Vidya Peeth School Management Committee. He has received various awards and recognitions for his contribution in the field of mathematics. He received National Education Day Medal in 1975; *Mahendra Vidya Bhushan Medal "A"* in 1986, *Supraval Gorkha Dakshin Bahu* in 1994. *RONAST Science & Technology Talent Award* in 2005; *Physics Nobel Laureate Peter Kapitza Centenary Memorial Memento 1994* in Moscow, *Russia. Scientific Award-2016* in China; *Scientific Award* in World Science Congress-2016, New Delhi, India. He was the president of Nepal Mathematical Society for two periods of years, B.S. 2066 and 2069. He was Registrar of Kathmandu University, Dhulikhel during 2007 – 2013 A.D. He has visited more than 45 countries of the world for various academic purposes.

What follows in an interview with Prof. Tuladhar by Dr. Dinesh Panthi about him and current situation of Mathematics in Nepal.

➢ **Prof. Tuladhar, could you please tell us a little bit about your family background ?**

My father, Purna Man, was a religious person who devoted his entire life to the service of Buddhism, especially reciting Buddhist *bhajans*. He served as a manager and member of Executive Committee of Ananda Kuti Vidya Peeth (AKVP), Swoyambhu in its initial period (1951 – 1957) to ease my study. My mother, Hera Devi, was a skillful lady who could also read and write English.

➢ **Could you please tell us also about your school and university education?**

My childhood from 1951, as eight year boy, started in a Buddhist monastery "Ananda Kuti Vihar" located on the north side of Swoyambhu hill. Mr. Nuchhe Bahadur Bajrachaya, who returned from Ceylon with a Cambridge Level education came to stay in the same Vihar and became my first teacher. In course of few months, AKVP came in existence. After six years of study, under the supervision of headmaster Mr. Bhuvan Lal Pradhan, I passed SLC in 1957. I joined Tri-Chandra College and completed ISc in 1961 and BSc in 1964. Completed MSc Mathematics in 1972 from Peoples' Friendship University, Moscow, Russia. I went back to the same university and competed PhD in 1983.

➢ **Prof. Tuladhar may we know a bit more about your teaching career?**

My teaching career matched with academic achievements. After ISc, in 1961, I became a teacher in my own school AKVP teaching Math, Science and Geography at all levels. After BSc in 1964, I became demonstrator cum tutor at Ananda Kuti Science College at AKVP itself. After MSc in 1972, I became a Lecturer at Ananda Kuti Science College for one year and went to Dharan to establish Institute of Applied Science & Technology and teaching math course. After PhD the focus changed to establish institute of higher studies by creating Kathmandu Valley Campus which in six year grew into Kathmandu University where developed and continued to teach various courses of Mathematics to students of varied disciplines like Science, Engineering, Management and Education till this day.

➢ **Could you share us with your team spirit and great achievement while serving two full terms as president of NMS?**

During the first tenure, 2009 – 2012, regular monthly talk program were held, initiated regular biannual National Conference starting from Biratnagar in 2010 followed by Mahendra Nagar in 2012. Organized SIMPA School in 2010 as a Satellite School of ICM2010. Participated at General meeting (GM) of IMU in Bangalore and obtained IMU Associate membership and five member team participated in ICM 2010 in Hydrabad. Obtained Associate membership of South East Asian Mathematical Society (SEAMS) in 2011 after an amendment of a clause in their charter. The Third International Conference on Lie-Admissible Treatment of Irreversible Processes (ICLATIP-3) was held in January 2011. During the second tenure, 2012 – 2015, on April 30, 2012N MS in collaboration with Council for Mathematical Education and Nepal Mathematical Center organized for the first time organized Guru Abhinandan of six senior mathematicians over 75 years. At the same function Mathematics Sciences Trust, Nepal was established. National Conference was held in Surkhet. Participated at GM of IMU 2014 in Gyeongju, Korea and Associate membership of IMU was extended till 2018. A nine member team participated in ICM 2014, Seoul, Korea. During these six year, NMS members were encouraged to pursue MPhil and PhD degree, presentation of research articles in National and International forums. All these activites were possible with the active and cohesive activates of the Executive members and NMS members.

➢ **Prof. Tuladhar, the number of students enrolled in mathematics in Bachelor's as well as Masters level is decreasing every year. What are the measures to be taken to overcome with such type of problems?**

We have to move with time. It is high time that our four year Bachelor level is discipline oriented rather than

choose one discipline after second or third year. Most of the basic mathematics has, now, moved to higher secondary level. Review of the courses is needed and examination pattern need to be modified.

➢ **Even after your retirement, you are still active in academic as well as in professional societies for the betterment of mathematics community. Does existing curriculum of mathematics in undergraduate is most competitive to meet international standards and fulfill the demands of students? What changes should be brought in the curriculum of mathematics in universities?**

New mathematics courses that have more practical applications and which are more close to *World of Work* need to be introduced. Mathematical courses for applied sciences, engineering disciplines, actual science, and biological sciences. Our faculty needs to upgraded themselves with MPhil and PhD degree. Those who already have these degree need to be continuously aware of the recent developments in their related felds.

➢ **How can mathematics be made more popular among young students?**

Some popular programs like seminars, workshops need to be conducted frequently to highlight the application of mathematics. Nepal Mathematical Society, Council for Mathematical Education and Nepal Mathematical Center are focusing in various activities to popularize mathematics. Mathematical Sciences Trust, Nepal is supporting these activities. Participation of Nepal students in International Mathematical Olympiad (IMO) from 2017 has been an added attraction among young students.

➢ **How did you sacrifice some other interests in your life while choosing mathematics as your career?**

In 1966 went to Peoples' Friendship University, Moscow under the scholarship scheme in Mechanical Engineering. During the second semester of the first year preparatory study of Physics, Chemistry, Mathematics and Technical drawing, I realized that in Nepal we leant how to do calculations and not what really mathematics is. So I switched from Mechanical engineering to Mathematics with an intention to bring dramatic changes in mathematics education in Nepal. From that time onward, I have devoted all my life for the popularization of mathematics and encouraging young mathematics to research.

➢ **Which mathematics books have made big impression on you?**

Many books have helped me to understand mathematics more deeply. Few of them are: *Turbulent Times in Mathematics* by Elaine McKinnon and Frances Hoffman; *Interviews with the Abel Prize Laureates* by Martin Raussen and Christian Skau; *Mathematical Thinking* by Masami Ioda and Shigeo Katagiri; *From Zero to Infinity* by Constance Reid; *The Mathematical Traveler* by Calvin C. Clawson; *Mathematical Masterpieces* by Arthur Knoebel, Reinhard Laubendacher, Jerry Lodder and David Pengelley; *Abels's Proof* by Peter Pesic; *Mathematical Understanding of Nature* by V. I. Arnold.

➢ **Mathematics may be challenging subject for some learners. How did you use to make your classes interesting for your students?**

My lectures are mostly power point presentations with animation wherever possible. I use simple examples to illustrate the theory and show its practical aspects. Historic development of the topic and related mathematician are mentioned.

➢ **Finally what advice would you like to give the young mathematics community who choose teaching profession in mathematics?**

Enjoy your teaching job with interesting examples, applications to real world. Prepare your lectures meticulously. Read interesting math related books to supplement your lectures.

Editor's remark: Short biography of Prof. Dr. Bhadra Man Tuladhar was published in NMS Newsletter Issue No. 12, May 2016.

Short Biography

Prof. Dr. Hom Nath Bhattarai

About Family:

Prof. Dr. Hom Nath Bhattarai was born in 1944 in the village Wangla, Patuwathum, of then Gulmi district, and now Sandhikharka Municipality of Arghakhanchi district. His father, Tika Ram Bhattarai worked as a Pandit in an Indian Army and his mother Bhima took care of the household affairs in the village. He was married to Kamala and lives at 593/37 Lakhechaur Marg, Thapagaun, New Baneswar in Kathmandu. He has been blessed with two daughters Mira and Rina and three grandchildren Swastika, Swamik and Eshal.

Education:

When it was time for him to go to school there were not even primary schools in that part of Nepal. So his education on basic Nepali language and some Arithmetic like addition, multiplication etc was informally taught by a village teacher. Being from a Pandit family, he started to study Kaumudi (Sanskrit Grammar) with a local Pandit. At the age of eleven he moved to Calcutta with his father. This move gave him the opportunity to go to a school and get start in modern education. Since he did not have any education in English, he learned the language through

private tutoring for a whole year before he was admitted to an English Medium School. After about more than two years in Calcutta, he left for Banaras where he completed Purva Madhyama in Sanskrit and ISc in Science. Right after his ISc examination, his father passed away. In 1965, he went back to Banaras for his Bachelor's degree. With his Bachelor's degree completed, he went back to his village and worked as the headmaster in a local high school. After about two years in the village, he came to Kathmandu for better career opportunities. Prof. Bhattarai completed MSc in Mathematics privately. Dr. Bhattarai then applied for the Fulbright Scholarship to pursue his PhD in the US. He was selected and in 1972, went to the University of Oregon USA and completed his PhD in Mathematics in 1977.

Academic Service and Contributions:

He worked as a demonstrator in a government college, Patan College, while also pursuing his MSc in Mathematics privately. After completing MSc in 1970, he was selected to be a permanent lecturer by the Lok Seva Ayog and was posted in Patan College itself as It was a government college then. With his PhD degree completed, he returned to his home country and started teaching first at PN Campus in Pokhara. After one and half years in Pokhara, he eventually joined the Central Department of Mathematics, Tribhuvan University, Kirtipur. He taught various courses like Algebra, Topology, Analysis, Complex Variables etc and guided research/term papers. He was promoted to **Reader** in 1986 and **Professor** in 1993. He resigned from Tribhuvan University in 2002 while he was working at UGC.

Awards, Involvement and Participation:

In 1994, Prof. Bhattarai was appointed as the Member-Secretary of the University Grants Commission (UGC). After 12 years in UGC he was appointed as the **Vice Chancellor** of Nepal Academy of Science And Technology (NAST) in 2006, where he served until 2010. "The four-year term at NAST as executive head have been quite enjoyable and I take it as successful" - he says.

Prof. Bhattarai has visited International Center for Theoretical Physics (ICTP, Italy) several times as a participant in seminars, as a **Visiting Mathematician**, as an **Associate** and as a **Senior Associate** to promote his research in Mathematics. He attended **International Congress of Mathematicians** in various locations: Kyoto, Japan (1990); Beijing, China (2002) and Madrid, Spain (2006) and made research presentations. Moreover, he participated in many international seminars, conferences in areas like Algebraic Geometry, Lie groups, Fibre Bundles and Geometry, Mathematical Ecology etc. He has published more than a dozen research papers in national and international journals including **Pacific Journal of Mathematics, Journal of Algebra, Journal of**

Geometry, Geom. dedicata etc. He has been a **reviewer of Mathematical Reviews, USA where several articles has been reviewed by him**. Besides research papers in Mathematics, he has published dozens of articles and presented working papers in subjects related to Education and Science. He has also edited some text books from school to university level.

He was nominated as a Member of American Mathematical Society by the Department of Mathematics, University of Oregon, USA. He is a lifetime member of Nepal Mathematical Society as well as Indian Mathematical Society.

He has been awarded with **Mahendra Vidhya Bhusan KA and KHA**, **Suprabal Gorkha Dakshin Bahu (National Award) and Shikshya Puraskar (Ministry of Education)**. Currently, he serves as the Chairman of Nepal Mega College, Babar Mahal.

He was president of Nepal Mathematical Society in 2006-2009, Vice-President (1994-1999) and Secretary (1988-1994). He has worked in many academic/ professional and social organizations in different capacity. He has also attended International seminars/conferences in fields other than mathematics.

Country Visited:

In the context of education and attending seminars/ conferences, he has made professional visits to more than 2 dozen countries of the world.

His Vision on Mathematics Teaching:

"I did not have class-wise formal education of mathematics in schools until high school. For high school exam, I learned mathematics with the help of colleagues and roommates in Banaras and yet obtained good marks in the exam. I liked the logic used in proving theorems of geometry. In fact, I did not have science subject in high school either. Yet, I started studying science in Intermediate level. I did well in mathematics in every examination partly because I used to have relatively good memory when I was young. I feel that Mathematics is not as difficult as it has been portrayed to be. The problem is to concentrate and follow strictly the mathematical logic behind it. Mathematical logic is such that if the hypothesis is true, any conclusion reached on the basis of this logic is necessarily true. That is why many philosophers were impressed by mathematical reasoning and tried to use arguments similar to mathematics in order to reach a valid conclusion. In particular, Rene Descarte, a French mathematician as well as philosopher, used mathematical argument in philosophy and tried to prove many statements including the existence of God. To make teaching effective, introduction of any mathematical concept must be associated with proper examples so that a student may relate the concept to a situation interesting and enjoyable."

1	Abatar Subedi	55	Prof. Dr. Bhadra ManTuladhar (Advisor, 2072; Vice-President, 2044; President, 2066, 2069)
2	Agni Datta Joshi	56	Bhadra Raj Tripathy
3	Ajana Bhandari	57	Bhai Raja Ranjit (EC Member, 2050)
4	Ajay Kumar Chaudhary (Treasurer, 2075)	58	Prof. Dr. Bhanu Chandra Bajracharya
5	Ajaya Basnet	59	Bharat Bahadur Thapa
6	Asso. Prof. Dr. Ajaya Singh (EC Member, 2075)	60	Bharat Prasad Aryal
7	Amar Bahadur Karki	61	Bharat Raj Wagle
8	Asso. Prof. Amarendra Kumar Singh	62	Bhavanand Chaudhary
9	Amar Nath Shah	63	Bhim Prasad Kafle
10	Amba Dutta Joshi	64	Bhimsen Khadka
11	Amir Raj Adhikari	65	Asso. Prof. Bhola Nath Bhattrai
12	Amresh Man Singh	66	Dr. Bhupendra Paudel
13	Amrit Gautam	67	Bhuvan Bhatt
14	Ananda Krishna Shrestha	68	Bhuwan Acharya
15	Asso. Prof. Ananda Prasad Pant	69	Bhuwan Prasad Ojha
16	Ananta Acharya	70	Bibek Acharya
17	Ananta Upreti	71	Bibhab Neupane
18	Anil Chandra Jha	72	Bijaya Adhikari
19	Asso. Prof. Anil Kumar Jha	73	Bijaya Nath Mishra
20	Anjana Pokharel	74	Bijaya Prasad Pokharel
21	Anjit Kumar Jha	75	Bikalpa Baniya
22	Anup Raj Lamichhane	76	Bikram Bhusal
23	Anup Tuladhar	77	Bikram BK
24	Archana Timsina	78	Bikram Rai
25	Arjan Kumar Sunar	79	Bimala Mishra
26	Dr. Arjun Acharya	80	Prof. Dr. Bina Ranjan Baral
27	Asso. Prof. Arjun Adhikari (EC Member, 2066)	81	Bindeshwor Mahato
28	Arjun Neupane	82	Prof. Dr. Binod Prasad Dhakal
29	Arun Kumar Bhandari	83	Prof. Dr. Binod Kaphle
30	Ashok Kumar Chaudhary	84	Binod Khand Timilsana
31	Atma Ram Adhikari	85	Prof. Dr. Binod Parajuli
32	Babu Ram Chapagain (EC Member, 2063)	86	Binod Prasad Lamsal
33	Babu Ram Gurangain	87	Binod Rimal
34	Baburam Neupane	88	Binod Shaha
35	Baburam Suyal	89	Binshu Prasad Pandey
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37	Badri Prasad Pageni	91	Bir Bdr. Thapa
38	Baikuntha Sharma	92	Birendra Jaiswal
39	Bal Bahadur Saud	93	Birendra K. Jha
40	Bal Bahadur Tamang	94	Birmani Dhakal
41	Bal Dev Adhikari	95	Bisaw Bahadur Shahi
42	Bal Kumar Khadaka	96	Bishnu Bahadur Parajuli
43	Bal Kumari Lamsal	97	Bishnu Hari Subedi
44	Bal Ram Khatri Ghimire	98	Bishnu Kumar Giri
45	Bam Bdr. Thapa	99	Bishnu Pd. Chapagai
46	Asso. Prof. Bam Dev Jha (Vice-President, 2069)	100	Bishnu Prasad Bhandari
47	Basant Kumar Basnet	101	Prof. Dr. Bishnu Prasad Dhungana
48	Prof. Dr. Basant Raj Adhikari (EC Member, 2063)	102	Bishnu Prasad Upadhaya
49	Basanta Rai	103	Bishwa Raj Adhikari
50	Basu Dev Ghimire	104	Brinda Devi Shakya
51	Prof. Dr. Basu Dev Uprety	105	Buddhi Prasad Sapkota
52	Bechan Yadav	106	Buddhi Raj Pantha
53	Bekha Ratna Dongol	107	Chakra Bahadur Bista
54	Bhabani Lamsal	108	Chakra Dumre

109	Chakra Singh Pwali
110	Chandra Limbu
111	Chet Nath Tiwari
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113	Chhabi Dhungana
114	Chhabi Siwakoti
115	Chhabilal Bhusal
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118	Prof. Dr. Choodamani Joshi (Advisor, 2072)
119	Chudamani Paudel
120	Chudamani Pokharel
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123	Daya Raj Acharya
124	Prof. Daya Ram Paudyal
125	Deb Raj Poudel
126	Debiram Poudel
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128	Dr. Deepak Basyal
129	Dev Bhakta Pandey
130	Dev Chandra Shrestha
131	Dev Raj Joshi
132	Dev Ratna Kansakar
133	Dhak Bahadur Thapa
134	Dhaka Mohan Basnet
135	Dhan Kumar K.C.
136	Dhan Raj Char
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153	Prof. Dinesh Raj Pant
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155	Dipendra Baral
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158	Domodar Khanal
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164	Dwarika Prasad Gautam
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174	Ganesh Kamansingh Rawal
175	Ganesh Kumar Dhakal
176	Ganesh Prasad Adhikari
177	Ganesh Prasad Pandey
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179	Ganesh Shiwakoti
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181	Ganga Ram Phaijoo
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195	Gopal Neupane
196	Gopal Prasad Acharya
197	Gopal Raj Kandel
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199	Guha Nath Poudel
200	Guru Datta Poudel
201	Guru Datta Sharma
202	Guru Prasad Dhakal
203	Guru Prasad Rijal
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205	Asso. Prof. Gyan Man Bajracharya
206	Gyan Prasad Poudel
207	Gyanendra Gurung
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209	Gyanendra Shrestha
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212	Asso. Prof. Hari Dev Chaudhary
213	Hari Dutta Pandey
214	Hari Nandan Nath
215	Hari Pd. Sitaula
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218	Hari Prasad Gnawali
219	Hari Prasad Jamarkattel
220	Hari Prasad Srawali
221	Prof. Dr. Hari Prasad Upadhhaya

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223	Prof. Dr. Harihar Khanal
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225	Harish Chandra Dhakal
226	Dr. Harish Prasad Bhatt
227	Harka Shrestha
228	Hark Bdr. Jora
229	Harsh Bahadur Chand
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231	Hem Raj Pandey
232	Hem Raj Sigdel
233	Him Lal Parajuli
234	Himal Chandra Belbase
235	Himalaya Ghimire
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238	Hiranaya Lal Karmacharya
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244	Ishwor Gharti
245	Dr. Ishwori Prasad Upadhayaya
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250	Dr. Jaya Bishnu Pradhan
251	Jaya Ram Subedi
252	Jayadev Nath
253	Jayanta Acharya
254	Jedu Ram Poudel
255	Jeetendra Thapa
256	Jeevan Kafle (EC Member 2072, Joint-Secretary 2075)
257	Jeevan Sharma
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259	Jhalak Nath Khanal
260	Jhaneshwor Chalise
261	Jhavi Lal Ghimire
262	Jiban Singh Limbu
263	Jiblal Upadhaya
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267	Juju Bhai Manandhar
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273	Kamal P. Gautam
274	Kamal Prasad Aryal
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286	Keshab Raj Phulara
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290	Keshav Lal Shrestha
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297	Dr. Khim Raj Shrestha
298	Khum Bahadur Basnet
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305	Dr. Krishna Bahadur Chand
306	Krishna Bhurtel
307	Asso. Prof. Krishna Dev Bhagat
308	Asso. Prof. Krishna Kanta Parajuli
309	Krishna Khanal
310	Prof. Dr. Krishna Kumar Shrestha (EC Member, 2060; Advisor, 2072)
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312	Krishna Mani Joshi
313	Krishna Pd. Bhatt
314	Krishna Prasad Aryal
315	Krishna Prasad Dhakal
316	Krishna Prasad Jnawali
317	Krishna Prasad Joshi
318	Krishna Prasad Kandel
319	Dr. Krishna Prasad Pokhrel
320	Krishna Prasad Tiwari
321	Krishna Raj Dhakal
322	Krishna Raj Pandey
323	Krishna Subedi
324	Kula Nand Chaudhary
325	Kumar Subedi
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328	Late Prof. Dr. Lalata Prasad Jaiswal
329	Late Tirthananda Vaidya (Joint Secretary, 2044)
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331	Laxman Bahadur Kunwar
332	Laxman Basnet
333	Laxman Karki

334	Laxmi Mahato
335	Dr. Laxmi Prasad Paudel
336	Lila Bahadur K.C.
337	Liladhar Neupane
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339	Lok Nath Bhattarai
340	Dr. Lokendra Prasad Paudel
341	Madan Bhandari
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343	Madhav Sigdel
344	Madhu Krishna Shrestha
345	Madhusudan Prasad Mandal
346	Prof. Dr. Mahendra Panthee
347	Prof. Maheshwor Pd. Upadhayaya
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349	Mali Prasad Giri
350	Man Bahadur Basnet
351	Man Bahadur Bhujel (EC Member 2075)
352	Prof. Dr. Mana Raj Joshi (EC Member, 2035)
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354	Mani Prasad Sigdel
355	Manju Kumari Deo
356	Manoj Gyawali
357	Dr. Manoj Karki
358	Manoj Kumar Gupta
359	Manoj Kumar Mahato
360	Asso. Prof. Dr. Manoj Kumar Raut
361	Manoj Prasad Sigdel
362	Meena Machamasi
363	Megh Raj Acharya
364	Merina Sthapit
365	Milan Haladik
366	Milan Lal Manandhar
367	Mina Gumanju
368	Mithilesh Kumar Lal
369	Mohan Bahadur Chand
370	Mohon Chandra Adhikari
371	Molhu Prasad Jaiswal
372	Mukhi Lal Chaudhary
373	Dr. Mukta Bahadur Bhandari
374	Mukunda Bahadur Shrestha
375	Prof. Dr. Mukunda Gajurel
376	Mukunda Prasad Rijal
377	Murari Pandey
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380	Nabonaryan Jha
381	Nandu Prasad Koiri
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384	Narayan Kumar Karki
385	Narayan Pandey
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387	Asso. Prof. Dr. Narendra Narayan Jha
388	Naresh Pant
389	Naryan Prasad Adhikari
390	Nathmal Agrawal
391	Nava Raj Bhandari
392	Navaraj Kandel
393	Navaraj Neupane
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397	Dr. Netra Khanal
398	Netra Prasad Bastola
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400	Nilam Shrestha
401	Niraj Sharma
402	Nirmal Kumar Darlami
403	Nirmal Marahatta
404	Nirul Tuldham
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408	Prof. Dr. Om Prakash Niraula
409	Om Prasad Sharma
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411	Padam Raj Ghimire
412	Padma Thapa
413	Pahalman Shrestha
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415	Pant Kumar Sah
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417	Pardip Paudel
418	Parishwar Acharya
419	Parmeshor Rijal
420	Parsuram Chaudhary
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422	Asso. Prof. Dr. Pawan Kumar Karn
423	Pawan Kumar Shah
424	Pawan Shrestha
425	Phan Bahadur G.C.
426	Phanindra Prasad Bhandari
427	Pharsu Ram Bhandari
428	Pitambar Acharaya
429	Pitambar Tiwari
430	Piyush Raj Gosain
431	Pradeep Godar Chhetri
432	Pradip Bagale
433	Pradip Bahadur Thapa
434	Pradip Pandel
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441	Pramod Kumar Chaudhary
442	Prem Bahadur Chand
443	Prem Bahadur Mahat
444	Prem Bahadur Rana
445	Prem Gurung

446	Prem Narayan Khanal	503	Ram Uday Shah
447	Prem Narayan Pokharel	504	Raman Kumar Karn
448	Prem Prakash Kaphle	505	Ramchandra Dhungana
449	Asso. Prof. Dr. Prem Sagar Bhandari	506	Ramesh Chandra Timsina
450	Asso. Prof. Prem Shah	507	Ramesh Gautam (EC Member 2075)
451	Prem Shrama	508	Ramesh K.C.
452	Purna Prasad Sharma	509	Ramesh Karki
453	Purushottam Parajuli	510	Dr. Ramesh Karki
454	Pushpa Nidi Gautam	511	Ramesh Khanal
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458	Rabi Shankar Kumar Singh	515	Dr. Ramlakhan Sah
459	Rabindra Nath Gajurel	516	Ramrohit Dhawal
460	Asso. Prof. Dr. Rabindra Prasad Kayastha	517	Dr. Ranjan Kumar Singh
461	Rafi Bhandari	518	Ravi Shankar Kumar Singh
462	Raghu Bir Bhatta	519	Ravindra Mishra
463	Raghu Raj Prasad Singh	520	Resham Prasad Poudel
466	Dr. Raj Deo Prasad Kushwaha	521	Asso. Prof. Dr. Riddhi Jung Shah
466	Raj Kumar Badal	522	Rinitzin Namgyel (Bhutan)
467	Asso. Prof. Raj Kumar Mahato	523	Rishi Kesh Nepal
468	Raj Kumar Pradhan	524	Rishi Ram Bagale
469	Raj Kumar Shah	525	Rishi Ram Gaire
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472	Rajan Thapa	528	Ritu Basnet Thapa (EC Member 2075)
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474	Rajendra Bhattarai	530	Roshan Lamichhane
475	Rajendra K.C.	531	Rudra Bahadur Pradhan (EC Member, 2035)
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477	Rajendra Paudel	533	Ruka Nath Dhamala
478	Rajendra Prasad Neupane	534	Rukma Nath Poudyal
479	Rajendra Singh Madai	535	Ruma Manandhar
480	Asso. Prof. Rajesh Kumar Thagurathi	536	Dr. S. Balasubra Manian (India)
481	Rajesh Prasad Shrestha	537	Sabindra Giri
482	Raju Augi	538	Sabita Bashyal
483	Prof. Dr. Raju Ram Thapa	539	Sahadeb Upretee
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485	Ram Chandra Sigdel	541	Dr. Samir Shrestha (EC Member, 2072)
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487	Ram Datta Joshi	543	Sanat Kumar Acharya
488	Ram Avatar Yadav	544	Sangam Pangeni
489	Ram Bahadur Thapa	545	Sanjay Gopal Shrestha
490	Prof. Ram Biswas Prasad Shah	546	Sanjaya Basnet
491	Ram Chandra Dhungana	547	Sanjaya Kumar Karna
492	Ram Chandra Dhungana	548	Dr. Santosh Bhattarai
493	Dr. Ram Chandra Neupane	549	Santosh Gautam
494	Ram Krishna Lamichhane	550	Dr. Santosh Ghimire (EC Member, 2069)
495	Ram Krishna Regmi	551	Santosh Gnawali
496	Prof. Dr. Ram Man Shrestha (Advisor, 2063, 2060; President, 2044; EC Member, 2050; Secretary, 2035)	552	Dr. Santosh Kandel
497	Asso. Prof. Dr. Ram Prasad Ghimire (EC Member, 2060)	553	Prof. Dr. Santosh Man Maskey (Advisor 2063, 2066)
498	Ram Prasad Niraula	554	Sanu Maharjan
499	Ram Prasad Poudel	555	Sarak Dangel
500	Ram Prasad Subedi	556	Sarala Luitel
501	Ram Prasad Subedi	557	Dr. Saraswoti Acharya
502	Ram Prit Ray	557	Satya Narayan Rajbhandari (Joint Secretary 2035)

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559	Shambhu Gautam
560	Shankar Pariyar
561	Prof. Dr. Shankar Raj Pant (EC Member, 2063; President, 2060; Secretary, 2050; Advisor 2066)
562	Prof. Dr. Shanti Bajracharya
563	Shanti Ram Adhikari
564	Prof. Sharada Shrestha (Vice President, 2066; EC Member 2069)
565	Sharmila Acharya
566	Sharmila Kasula
567	Sharmila Shrestha
568	Shatrughna Prasad Gupta
569	Sher Bahadur Chettri
570	Sher Singh Raikhola (EC Member, 2069)
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572	Shiva Bahadur Karki
573	Shiva Hari Subedi
574	Shiva Neupane
575	Shiva Prakash Gupta
576	Shiva Prasad Bastola
577	Prof. Dr. Shiva Prasad Pudasaini
578	Shiva Prasad Sapkota
579	Shiva Raj Bartaula
580	Shova Adhikari
581	Shrawan Kumar Chaudhary
582	Shrawan Kumar Karn
583	Shree Krishna Dahal
584	Shree Prasad Dhakal
585	Shree Prasad Ghimire
586	Asso. Prof. Dr. Shree Ram Khadka (EC Member, 2060; Treasurer, 2063)
587	Shuva Bakash Gupta
588	Shyam Singh Mauni
589	Shyam Sundar Sah
590	Prof. Dr. Siddhi Prasad Koirala (EC Member, 2066; Advisor, 2069)
591	Siddhi Prasad Pradhananga
592	Sitaram Ghimire
593	Som Kanta Khanal
594	Srijana Ghimire
595	Subas Acharya
596	Subash Chandra Jha
597	Subash Dhakal
598	Subhash Subedi
599	Sudeep Neupane
600	Sudip Kumar Upadhayay
601	Sukra Lohani
602	Suman Gautam
603	Dr. Suman Kumar Jha
604	Sundar Tamang
605	Sunil Karna
606	Sunil Khanal
607	Sunil Kumar Jha
608	Surendra Basnet
609	Surendra Paudel
610	Surendra Prasad Singh
611	Surendra Raj Pathak
612	Surendra Roy

613	Suresh Kumar
614	Suresh Kumar Sah
615	Suresh Kumar Yadav
616	Dr. Suresh Sahani
617	Dr. Surya Bahadur Thapa Magar
618	Surya Kumar Yadav
619	Surya Prasad Chapagain
620	Surya Prasad Ghirhe
621	Surya Raj Lamichhane
622	Sushant Dahal
623	Asso. Prof. Dr. Sushil Chandra Karna
624	Sushil Ghimire
625	Sushil Khadka
626	Suyog Dahal
627	Prof. T.N. Pandey
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629	Prof. Dr. Tanka Nath Dhamala (Secretary 2063, President 2072, Advisor 2075)
630	Tara Datta Badu
631	Tauleshwor Prasad Chaudhary
632	Tej Bahadur Shrestha
633	Tek Bahadur Budhathoki
634	Thaneswor Bhandari
635	Thinley Namgyel (Bhutan)
636	Tika Panthi
637	Asso. Prof. Dr. Tika Ram Bhusal (EC Member, 2063)
638	Tikaram Ghimire
639	Asso. Prof. Tilak Ram Sardar
640	Tirtha Raj Bhandari
641	Toya Narayan Poudyal
642	Asso. Prof. Dr. Tribhuvan Sharma
643	Tuk Bahadur Rana
644	Asso. Prof. Tulasi Prasad Nepal (Treasurer, 2072)
645	Tulsi Prasad Sapkota
646	Tulsi Raj Poudyal
647	Dr. Tulsi Upadhaya
648	Uday Karn (EC Member 2075)
649	Uday Kumar Karn
650	Udaya Chandra Prasad
651	Uddhab Raj Neupane
652	Uddhab Raj Pandey
653	Uma Shankar Deo
654	Umesh Bhattarai
655	Dr. Umesh Rajopadhyaya
656	Dr. Urmila Pyakurel (Treasurer, 2069)
657	Uttam Pokhrel
658	Vidyadhar Sharma
659	Vigyan Shrestha
660	Yadab Kumari Karki
661	Prof. Yadav Prasad Koirala (Vice-President, 2063; Secretary, 2060; Advisor, 2066)
662	Yagya Raj Pant
663	Prof. Dr. Yoga Ratna Sthapit (Advisor 2063)
664	Yogendra Dev Khanal
665	Yogendra Pandit
666	Yogendra Pradhan
667	Yogendra Prasad Shah
668	Youb Raj Gaire