



Newsletter

नेपाल गणित समाज
NEPAL MATHEMATICAL SOCIETY
Established in 2035 BS (1979 AD)
www.nms.org.np

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Editorial

First of all, though a little late, let us take this opportunity for wishing you all a happy and prosperous new year 2073 BS marked by good health and humour, as well as by some innovative ideas for uplifting the Nepal Mathematical Society (NMS).

NMS is a professional organization established by Nepali Mathematicians, which regularly conducts various activities such as seminars, talk programs, national and international conferences and symposia focusing on the different aspects of mathematics such as subject matters, recent trends of teaching and learning, and research results.

We are very much delighted to bring out the 12th issue of the NMS newsletter on the auspicious occasion of its 38th anniversary. This newsletter highlights the activities of the Society and its members during Ashad 2072-Baishakh 2073 BS. In this issue of the newsletter, we have included an interview of Prof. Dr. Dharani Dhar Regmi and a brief biography of Prof. Dr. Bhadra Man Tuladhar.

From the past few decades, NMS is actively involved in various activities for the upliftment of Mathematics in Nepalese context. The main challenge for the stakeholders of Mathematics is to revive Mathematics as a popular discipline. So, each life member of NMS has to be active, sincere and convinced to strengthen the capacity of NMS to transfer the knowledge and to build the strong foundation of Mathematics.

We are grateful to our valued life members, executive committee (EC) members, members of all the sub-committees, well wishers and other organizations who have supported us in many ways and also for their kind cooperation to strengthen the activities of NMS. At the same time, we would like to thank all those organizations who have expressed their best wishes on our 38th anniversary through this newsletter. We hope that similar support and cooperation will continue in the days to come.

Editorial Board

Chief Editor : Prof. Dr. Narayan Prasad Pahari

Editors : Prof. Dr. Kanhaiya Jha
: Mr. Parameshwari Kattel
: Mr. Tulasi Prasad Nepal
: Prof. Dr. Chintamani Pokharel
: Dr. Samir Shrestha
: Mr. Ganesh Bahadur Basnet
: Mr. Jeevan Kafle

Message from the President

It is a special honor and privilege to undertake my responsibility since August 2015 as the president of the NMS. I would like to thank our valued NMS members for electing me and the NMS Executive Committee (EC). On behalf of the NMS and its EC, I would like to highly acknowledge the tremendous efforts of our predecessor presidents (D.R. Bajracharya, R.M. Shrestha, R.P. Manandhar, S.R. Pant, H.N. Bhattarai and B.M. Tuladhar) and EC members and all bona fide NMS life members for bringing diversified academic activities and collaborations to the society. The NMS has been dedicated for achieving the academic excellence in study, teaching, research and applications in mathematics. Promotion of the professional ethics, rights, welfare and increasing popularity of mathematics are the additional goals of NMS. NMS has been working in establishing academic links nationwide and abroad.

The NMS has been organizing talk programs, seminars, workshops, conferences on relevant topics with its own initiations and in collaborations with other institutions of Nepal and abroad. The NMS, also a member of AMS and an associate member of IMU and SEAMS, welcomes the experts from abroad. It also celebrates its anniversary every year and publishes its newsletter highlighting the achievements. We feel the need to organize more programs on some crucial issues such as the role of mathematics in society, industry and various fields, developing students' interest in mathematics and simplification of mathematical concepts in teaching and learning. The NMS, ANMA and the mathematics departments of Tribhuvan and Kathmandu Universities are jointly organizing the international conference AMNS-2016. I would like to heartily appreciate the great efforts by all members and wish a grand success of the event on May 26-29 in Kathmandu. This energetic NMS EC team has a vision that, there is a lot more that NMS needs to do and hence targets to increase its activities. The society is open and believes that it will get stronger and more efficient through the feedbacks and contributions of its members and well wishers.

Sincerely yours,

Prof. Dr. Tanka Nath Dhamala
President, NMS

**A GLIMPSE OF THE ACTIVITIES OF
NEPAL MATHEMATICAL SOCIETY (NMS)
JULY 2015 – APRIL 2016**

NMS 37th Anniversary

Opening Session:

- Date: August 1, 2015 (16 Shrawan, 2072)
- Venue: Central Department of Mathematics, TU
- Chief Guest: Prof. Dr. Hira Bahadur Maharjan, Vice-Chancellor, TU
- Chair Person: Prof. Dr. Bhadra Man Tuladhar, President NMS
- Welcome Speech: Mr. Bam Dev Jha
- Vote of Thanks: Dr. Dil Bahadur Gurung

During this session, Prof. Dr. Ram Man Shrestha, Prof. Dr. Shankar Raj Pant, Prof. Dr. Hom Nath Bhattarai, Prof. Dr. Santosh Man Maskey, Prof. Dr. Hira Bahadur Maharjan and Prof. Dr. Gajendra Bahadur Thapa also expressed their opinions on mathematics curriculum, teaching, development and the role of NMS in these matters.



Prof. Dr. Hira Bahadur Maharjan inaugurating the 37th Anniversary

Felicitations:

The following senior mathematicians were felicitated on the occasion of 37th Anniversary of NMS:

1. Prof. Dr. Gajendra Bahadur Thapa
2. Associate Prof. Mr. Gyan Man Bajracharya
3. Associate Prof. Mrs. Nirmala Shrestha
4. Associate Prof. Mr. Surendra Prasad Singh
5. Prof. Dr. Dinesh Raj Pant

General Body Meeting:

The General Body adopted the following Reports:

1. Annual Report presented by NMS Secretary Prof. Dr. Kedar Nath Uprety
2. Financial Report presented by NMS Treasurer Dr. Urmila Pyakurel.

An Election commission was formed as follows to elect the new Executive Committee:

Prof. Dr. Santosh Man Maskey	Coordinator
Mr. Baburam Chapagai	Member
Mr. Ramesh Gautam	Member

With the free election among the candidates, the general body elected the new executive committee of NMS for the coming three years (2072- 2075). The portfolio of the newly elected executive committee is as follows:

Prof. Dr. Tanka Nath Dhamala	President
Prof. Dr. Narayan Prasad Pahari	Vice President
Prof. Dr. Kanhaiya Jha	Secretary
Mr. Parameshwari Kattel	Joint Secretary
Mr. Tulasi Prasad Nepal	Treasure
Prof. Dr. Raj Narayan Yadav	Member
Mrs. Gita Shrestha	Member
Mr. Ganesh Bahadur Basnet	Member
Dr. Samir Shrestha	Member
Mr. Khagendra Adhikari	Member
Mr. Jeevan Kafle	Member

The following two members were nominated to complete the executive committee.

Prof. Keshab Sitoula	Member
Prof. Dr. Chinta Mani Pokharel	Member



New executive committee members, 2015-2018



Handover program

Advisory Committee of NMS

By the decision of the executive committee, an advisory committee was formed as follows:

Prof. Dr. Bhadra Man Tuladhar
Prof. Dr. Krishna Kumar Shrestha
Prof. Dr. Shailendra Kumar Mishra
Prof. Dr. Chooda Mani Joshi
Prof. Dr. Kedar Nath Uprety

Sub-committees of NMS

By the decision of executive committee, FIVE sub-committees have been formed as follows:

Sub-committee: Talk Program

Prof. Dr. Narayan Prasad Pahari (Coordinator)
Asso. Prof. Dr. Dinesh Panthi
Asso. Prof. Dhan Kumari Thapa
Mr. Puskar Raj Pokharel
Dr. Santosh Ghimire

Sub-committee: Technical Aspect

Dr. Samir Shrestha (Coordinator)
Asso. Prof. Dr. Gyan Bahadur Thapa
Ms. Urmila Paykurel
Mr. Gokul K.C.
Mr. Ganga Ram Phaijoo

Sub-committee: Profile Collection of Mathematicians

Mr. Ganesh Bahadur Basnet (Coordinator)
Mr. Ananta Acharya
Mr. Sher Singh Raikholra
Mr. Bishnu Giri
Mr. Navraj Adhikari

Sub-committee: Collecting and Updating the Contact Details

Mr. Jeevan Kafle (Coordinator)
Asso. Prof. Dr. Raju Ram Thapa
Mr. Ishwar Mani Adhikari
Dr. Deepak Basyal
Mr. Rajendra Pant

Sub-committee: NMS Activities

Asso. Prof. Gita Shrestha (Coordinator)
Asso. Prof. Dr. Ajaya Singh
Asso. Prof. Kabita Luitel
Mr. Parishwar Acharya
Ms. Saraswati Acharya

The Central Department of Mathematics, Tribhuvan University in collaboration with Nepal Mathematical Society organized a two-day seminar on **Recent Developments in Mathematics and its Applications** on September 21-22, 2015 (Asoj 4-5, 2072) on the auspicious occasion of 57th Anniversary of the Central Department of Mathematics. The main objective of the seminar was to provide a common forum for presentations and discussions of recent developments in the fields of Pure and Applied Mathematics as well as Application Oriented Mathematical Sciences among MPhil students, PhD Research Scholars, Faculty Members and Scientists. The program was divided into inaugural session, four scientific sessions and the closing ceremony.



Felicitated Personality Prof. Dr. Ram Man Shrestha

In September 21, the former Vice-Chancellor of Tribhuvan University, Prof. Dr. Hira Bahadur Maharjan inaugurated the seminar and Prof. Dr. Kedar Nath Uprety, the Head of the Central Department of Mathematics chaired the program. In the program, the two senior professors Prof. Dr. Ram Man Shrestha and Prof. Dr. Gajendra Bahadur Thapa (the Former Head of Central Department of Mathematics) were felicitated for their uninterrupted contributions in Mathematics. In the program, Prof. Dr. Prakash Muni Bajracharya and Prof. Dr. Hom Nath Bhattarai expressed some remarks about the present situation of teaching, learning and research in Mathematics. The felicitated personality Prof. Dr. Ram Man Shrestha expressed his view about the present status of Mathematics and its application in the global context.

According to Prof. N. P. Pahari (the Program Coordinator), a total of 150 participants including senior professors, mathematics teachers, PhD



Prof. Dr. P.M. Bajracharya addressing at the Math Day

research scholars, MPhil students and Master's students registered themselves in the seminar. Total 46 papers in the different areas of pure and applied Mathematics: 10 in Operation Research, 19 in Modeling and Differential Equations, 4 in Fluid Dynamics and 13 in Analysis were presented in four scientific sessions with two key note speeches.

The following is the details of the paper presentation.

September 21, 2015

Keynote Speech: Prof. Dr. Tanka Nath Dhamala

Topic: *Relevance of Operations Research Models on Evacuation Optimization*

Paper Presentation:

- *Reliability Evaluation of Time Dependent Semi-repairable System* - Shyam Sundar Sah and Ram Prasad Ghimire
- *Cost Analysis of $E1/E2/1/m$ Queueing System with Sinusoidal Arrival Rate Function Subject to Server Breakdown* - Ami Raj Adhikari and Ram Prasad Ghimire
- *The Universally Quickest Transshipment Contraflow Problem in Grid Network* - Ram Chandra Dhungana and Tanka Nath Dhamala
- *Sweating Effect on Males and Females Body Temperature Variation* - Saraswati Acharya, Dil Bahadur Gurung and V. P. Saxena
- *A Mathematical Study of Malaria Disease Dynamics* - Bekha Ratna Dangol and Dil Bahadur Gurung
- *Bounds for the Product Rate Variation Problem* - Shree Ram Khadka
- *A Study on Pattern-Based Evacuation Model for Urban Areas* - Parishwar Acharya and Shree Ram Khadka

- *Earliest Arrival of Evacuees with Contraflow Approach* - Shiva Prakash Gupta and Shree Ram Khadka
- *On Maximum Dynamic Network Contraflow Problem in Continuous Time Setting* - Phanindra P. Bhandari and Shree Ram Khadka
- *Formulation of the Multicommodity Urban Evacuation Planning* - Gopal Prasad Acharya and Shree Ram Khadka
- *Earliest Arrival Flow in Single Source and Single Sink* - Ram Uday Sah
- *Optimization of $M/M/R/N$ Queueing System with Multi-Additional Servers* - Sushil Ghimire, Ram Prasad Ghimire and Gyan B. Thapa
- *Weak Derivatives and Sobolev Space* - Chet Nath Tiwari, Dhruva Raj Adhikari and Dil B. Gurung
- *Mathematical Study of Temperature Distribution in Human Dermal Part During Physical Exercise* - Dev Chandra Shrestha and Dil B. Gurung
- *Modeling of Indoor Air Flow Distribution in a Naturally Ventillated Kitchen* - Buddhi Prasad Sapkota and Kedar Nath Uprety
- *Discrete Maximum Principle for Laplacian Schemes* - Ganesh Bahadur Basnet and Durga Jang K.C.
- *Chemostat Model Analysis for Growth of two and three Different Microorganisms in Limiting Substrate* - Ramesh Chandra Timsina
- *Mathematical Study of Dengue Disease Transmission with the Mobility of Host Population Between two Cities* - Ganga Ram Phaijoo and Dil B. Gurung.
- *Finite Difference and Stability Analysis in 1-D Heat Equation* - Sharmila Shrestha
- *Shallow Water Modeling* - Anup Tuladhar

September 22, 2015

Keynote Speech : Prof. Dr. Bhadra Man Tuladhar

Topic: *The GPY Argument*

Paper Presentation:

- *Stability Analysis of SIR Model of Infectious Disease and its Validation* - Arjun Adhikari
- *Solution of One Dimensional Elliptic Equations*

- by Finite Point Method* - Bharat Bahadur Thapa
- *Galerkin FEM in Second Order Linear ODE* - Raj Kumar Pradhan
 - *Debris Flood Down a Discrete, Meandering, Rectangular Conduit* - Parameshwari Kattel, Jeevan Kafle, Bhadra Man Tuladhar and Shiva P. Pudasaini
 - *Coupling of Full Dimensional and Depth-averaged Two-phase Models for Mass Flows in Channels* - Puskar R. Pokhrel, Khim B. Khattri, Bhadra Man Tuladhar and Shiva P. Pudasaini
 - *Impact of a Sudden Slope Change in the Dynamics of Landslide Generated Tsunami and Submarine Mass Flows* - Jeevan Kafle, Parameshwari Kattel, Bhadra Man Tuladhar and Shiva P. Pudasaini
 - *A Structurally New, Full Two-dimensional and Two-phase Mass Flow Model Down a Channel* Khim B. Khattri, Puskar R. Pokhrel, Bhadra Man Tuladhar and Shiva P. Pudasaini
 - *Stability Analysis of May's Prey-Predator Model for $n = 2$* - Shiv P. Neupane and Dil B. Gurung
 - *Solution of Two Dimensional Elliptic Equation by Finite Point Method* - Nirmal Marahatta
 - *Sensitivity Analysis in Linear Optimization* - Himalaya Ghimire
 - *Variational Iteration Method* - Arun K. Bhandari and Dil B. Gurung
 - *Delay Differential Equation in Logistic Population Model* - Bal Dev Adhikari
 - *FEM Solution of Pennes Bio-heat Equation in Human Eye* - Gokul K.C., Dil B. Gurung and Puspa Raj Adhikary
 - *Compatible Mappings and Some Common Fixed Results on Compatible Mappings of Type (K)*- K. B. Manandhar and Kanhaiya Jha
 - *New Iterative Methods for Solving Nonlinear Equations* -Jivandhar Jnawali, P. K. Jain and Chet Raj Bhatta
 - *Orthogonality in Normed Linear Spaces* - Bhuwan Prasad Ojha and P. M. Bajracharya
 - *Law of Iterated Logarithm in Analysis*- Ananta Acharya and Santosh Ghimire
 - *Fixed Point Theorem and System of Nonlinear Equation* - Gauri Bhuj
 - *Diophantine Approximation and Advances on Hurwitz Theorem For Irrationals* - Ramesh Gautam and Ajaya Singh
 - *A Note on Maximal Monotone Operator* - Hari Prasad Gnawali, Dhurba Raj Adhikari and Dil Bahadur Gurung
 - *Poisson Equation in Five Point Stencil* - Mina Gumanju
 - *Spider's Web Structure of Escaping Set and Fast Escaping Set* - Bishnu Hari Subedi and Ajaya Singh
 - *On Dynamics of Semi-conjugate Functions* - Dhana Kumari Thapa and Ajaya Singh
 - *Recent Developments in d -metric Space* - Dinesh Panthi
 - *Distribution of Primes and Twin Prime Conjecture* - Khagendra Adhikari and Ajaya Singh
 - *Development of Fixed Point Theorems in Semi-metric Space* - Umesh Rajopadhyaya and Kanhaiya Jha
 - *Short Biography of Rene Augene Gateaux*- Ram Adhikari and Laxman Adhikari.

Talk Programs Organized by NMS

Altogether the following four scientific talks have been delivered. The venue was the Central Department of Mathematics, Kirtipur.

1. **Prof. Dr. Shiva P. Pudasaini**, Faculty of Mathematical and Natural Sciences, University of Bonn, Germany.

Date: August 19, 2015

Topic: A novel mechanical model for phase-separation and mixing: With applications in Natural Sciences and Engineering

2. **Prof. Steven James Pearce**, School of Computing Science, Simon Fraser University, British Columbia, Canada.

Date: December 18, 2015

Topic: A solution to the Lane–Emden equation in the theory of stellar structure utilizing the Tau Method.

3. **Prof. Dr. Harihar Khanal**, Department of Mathematics, Embry-Riddle Aeronautical University, Florida, USA.

Date: March 14, 2016

Topic: Computational models of spatio-temporal signalling in rod phototransduction.

4. **Prof. Dr. Sergey Tikhonov**, ICREA, Centre de Recerca Matemàtica (CRM), Spain.

Date: April 6, 2016

Topic: A general monotonicity concept and its applications.



Prof. Dr. Sergey Tikhonov making a presentation

CONGRATULATIONS !!!

Appointments

Prof. Dr. T. N. Dhamala for being appointed as the chairman of Mathematics Subject Committee, Higher Secondary Education Board (HSEB), Nepal.

Promoted to Professors

The following Associate Professors are recently promoted to the post of Professor of Mathematics in Tribhuvan University as recommended by TU Service Commission on July 29, 2015:

1. Dr. Raj Narayan Yadav
2. Dr. Narayan Prasad Pahari
3. Daya Ram Poudel
4. Nagendra Prasad Shah
5. Dr. Bidyanand Prasad
6. Dilaram Bhattarai
7. Sharda Shrestha
8. Ram Bishwash Prasad Shah

Promoted to Associate Professors

The following Lecturers have been promoted to Associate Professor of Mathematics in Tribhuvan

University as recommended by TU Service Commission on October 10, 2015.

1. Dr. Sushil Chandra Karna
2. Mr. Bishnu Prasad Gnawali
3. Mr. Tulasi Prasad Nepal
4. Mr. Krishna Dev Bhagat
5. Mr. Bala Ram Prasad Yadav
6. Mr. Jivan Dhar Jnawali
7. Mr. Manoj Kumar Raut
8. Mr. Badri Baniyan
9. Mr. Kripa Sindu Prasad
10. Mr. Ananda Prasad Panta
11. Mr. Mithilesh Kumar Yadav
12. Dr. Shree Ram Khadka
13. Mr. Anil Kumar Jha
14. Mr. Khageshwar Mandal
15. Mr. Dev Narayan Majhi
16. Mr. Raja Ram Acharya
17. Mr. Bam Dev Jha
18. Dr. Raj Dev Prasad Kushawaha
19. Mrs. Kabita Luitel
20. Mr. Ganesh Kumar Karki
21. Mr. Kishor Pokhrel
22. Mr. Raj Kumar Mahato
23. Mr. Prem Sagar Bhandari

Mahendra Panthi has been promoted to Associate Professor at the State University of Campinas, São Paulo, Brazil since October 2015.

Phanindra Prasad Bhandari has been promoted to Senior-Lecturer at Khwopa Engineering College, Libali-2, Bhaktapur, Nepal.

Deepak Basyal has started a Tenure-Track position in University of Wisconsin-Marinette beginning August 2015

AWARDS

Award of PhD Degree

1. **Dr. Saraswati Acharya**, PhD degree from School of Science, Kathmandu University. The title of her research work is *A Study on the Mathematical Model of Temperature Distribution in Human Males and Females Dermal Part*.



2. **Dr. Urmila Pyakurel**, PhD degree from CDM, Tribhuvan University. The title of her research work is *Evacuation Planning Problem with Contraflow Approach*.
3. **Dr. Gokul K.C.**, PhD degree from School of Science, Kathmandu University. The title of his research work is *Mathematical Model for Temperature Distribution in Human Eye*.
4. **Dr. Kanchha Bhai Manandhar**, PhD degree from School of Science, Kathmandu University. The title of his research work is *Some Fixed Point Results in Fuzzy Metric Space*.
5. **Dr. Umesh Rajopadhyaya (Subedi)**, PhD degree from School of Science, Kathmandu University. The title of his research work is *Some Fixed Point Results in Semi-Metric Space*.
6. **Dr. Raju Ram Thapa**, PhD degree from T. M. Bhagalpur University, India. The title of his research work is *Solutions of Sitnikov's restricted problem of three bodies when primaries are triaxial rigid bodies*.



Award of MPhil Degree from KU:

1. Bekha Ratna Dangol
2. Bal Dev Adhikari
3. Dev Chandra Shrestha
4. Ramesh Chandra Timsina
5. Arjun Adhikari

MPhil from CDM, TU

The following students have completed their MPhil in Mathematics

1. Ananta Acharya
2. Bhuwan Kumar Ojha
3. Ganesh Bahadur Basnet
4. Anjana Pokhrel
5. Dhan Kumari Thapa
6. Dhak Bahadur Thapa
7. Shiva Prakash Gupta
8. Keshav Raj Phulara

FELLOWSHIPS

Prof. Dr. Kanhaiya Jha

An Erasmus Mundus Fellow with fellowship from European Union at University of Oradea, Oradea, ROMANIA from October – November 2015.

Dr. Shree Ram Khadka

An Erasmus Mundus Post Doc Research Fellow to work at the University of Bremen, Bremen, Germany from September 2015 to July 2016 for ten months.

Nepal UGC Fellowships Program to NMS members:

For PhD Program:

1. Mr. Puskar Raj Pokhrel
2. Mr. Parameshwari Kattel
3. Mr. Prem Sagar Bhandari

For MPhil Program:

1. Mr. Ganga Ram D. C.
2. Mr. Nabaraj Adhikari
3. Mr. Ananta Upreti
4. Mrs. Bimala Mishra
5. Mr. Kedar Nath Chhatkuli
6. Mr. Krishna Datta Pant

CONFERENCE / WORKSHOPS

Nepali Mathematicians at ICIAM 2015

The following three mathematicians from Nepal participated the 8th International Congress on Industrial and Applied Mathematics (Beijing ICIAM 2015) organized by the International Council of Industrial and Applied Mathematics at Beijing, China from August 10-14, 2015.

1. Prof. Dr. Kanhaiya Jha (KU)
2. Prof. Dr. Raj Narayan Yadav (TU)
3. Mr. Jivandhar Jnawali (TU)



Nepali Mathematicians at ICIAM 2015, China

Nepalese Participants in SEAMS School 2015

The following eleven NMS members attended the South East Asian Mathematical Society (SEAMS) School 2015 on *Number Theory and Applications in Cryptography and Coding Theory* organized at University of Science, Ho Chi Minh, Vietnam from August 31-September 8, 2015:

1. Prof. Dr. Bhadra Man Tuladhar (KU)
2. Prof. Dr. Kedar Nath Uprety (TU)
3. Prof. Dr. Prakash Muni Bajracharya (TU)
4. Prof. Dr. Kanhaiya Jha (KU)
5. Prof. Sharada Shrestha (TU)
6. Dr. Ajaya Singh (TU)
7. Mrs Anjana Pokharel (TU)
8. Mrs Dhana Thapa (TU)
9. Mr. Ramesh Gautam (TU)
10. Mr. Bishnu Hari Subedi (TU)
11. Mr. Abatar Subedi (TU)

5. Mr. Jivandhar Jnawali (TU)
6. Mr. Shyam Sundar Sah (KU)



Nepali Mathematicians at SAU Conference 2015, India

Nepali Mathematicians at NAST Conference 2016

The following seventeen mathematicians from Nepal participated in the 7th National conference on Science and Technology organized by Nepal Academy of Science and Technology (NAST) at Kathmandu, Nepal from March 29-31, 2016:

1. Prof. Dr. Ram Man Shrestha (NAST)
2. Prof. Dr. Bhadra Man Tuladhar (KU)
3. Prof. Dr. Raj Narayan Yadav (TU)
4. Prof. Dr. Kanhaiya Jha (KU)
5. Dr. Dinesh Panthi (NSU)
6. Dr. Umesh Rajopadhyaya (Subedi) (KU)
7. Dr. Kanchha Bhai Manandhar (KU)
8. Mr. Jeevandhar Gnawali (TU)
9. Mr. Buddhi P. Sapkota (TU)
10. Mr. Ganga Ram Phaijoo (KU)
11. Mr. Shyam Sundar Sah (KU)
12. Mr. Raj Kumar Pradhan (KU)
13. Mrs Gauri Bhuju (KU)
14. Mrs Sharmila Shrestha (KU)
15. Mr. Anup Tuladhar (KU)
16. Mr. Bharat Bahadur Thapa (KU)
17. Mr. Nirmal Marahatta (KU)



Nepali Mathematicians at SEAMS 2015, Vietnam

Nepali Mathematicians at SAU Conference 2015

The following six mathematicians from Nepal participated in the International Conference on Function Spaces and Inequalities (ICFSI 2015) organized by the Department of Mathematics, Faculty of Mathematics and Computer Sciences, South Asian University, New Delhi, INDIA from December 08-12, 2015:

1. Prof. Dr. Kanhaiya Jha (KU)
2. Prof. Dr. Raj Narayan Yadav (TU)
3. Dr. Dinesh Panthi (NSU)
4. Mr. Pawan Kumar Karna (TU)



Nepali Mathematicians at NAST Conference 2016, Nepal



ACTIVITIES OF NMS MEMBERS

Prof. Dr. Bhadra Man Tuladhar

- Participated in SEAMS School 2015 on *Number Theory and Applications in Cryptography and Coding Theory* at Ho Chi Ming, Vietnam from August 31 to September 8, 2015. The School is related with support from CDC IMU to 11 Nepalese mathematicians, which allowed them to regroup and make plans from moving forward, as well as sharing the needs of the Nepalese math community with their colleagues from other countries within the region. Prof. Tuladhar also visited Institute of Mathematics Hanoi (IMH) at Vietnam Academy of Science & Technology in Hanoi from September 7-9, 2015 at the invitation of its director Prof. Le Tuan Hoa, Director, IMH and President of Vietnam Mathematical Society.
- Participated in the *International Conference on Gravitation, Cosmology and Continuum Mechanics* held at Bauman Moscow State Technical University, Moscow on March 3-4, 2016. Prof. Tuladhar was one among the three foreign members of the organizing Committee of this conference. The two other members were: Prof. A. P. Fournier-Sikr, European Space Agency, France and Prof. G. M. Webb, Commercial Space Technologies Ltd., London, UK. During this trip, Prof. Tuladhar also visited Moscow Institute of Physics and Technology located in the Moscow Region. He also visited Institute of Numerical Mathematics, Russian Academy of Sciences.

Prof. Dr. Tanka Nath Dhamala

- Visited Colombo Sri Lanka to present a paper at ICCPP-2015. He delivered different presentations at conferences, including Humboldt-Kolleg in Kathmandu and published papers in the international journals of repute. Professor Dhamala organized different meetings with DAAD and AvH representatives in Kathmandu and initiated for the establishment of a departmental partnership between Tribhuvan University- Central Department of Mathematics, University of Kaiserslautern- Department of Mathematics, Germany and Mindanao State University- Iligan Institute of Technology, Philippines.

Prof. Dr. Kanhaiya Jha

- Presented a paper entitled *Fixed Point Results and its Applied Aspects in Generalized Metric Spaces* in the 8th International Congress on Industrial and Applied Mathematics (*Beijing ICIAM 2015*) organized by the International Council of Industrial and Applied Mathematics at Beijing, China from August 10-14, 2015.
- Presented a paper entitled *Fixed Point Results and its Applied Aspects in Generalized Metric* in an International Conference on Mathematics and Applications (*ICMA 2015*) at Polytechnic University of Timisoara, Timisoara, Romania from November 05 – 06, 2015.
- Participated and delivered a talk on *Generalized Banach Contraction Principle in Metric Space with Some Applications* in the International Conference on Function Spaces and Inequalities (*ICFSI 2015*) organized by the Department of Mathematics, South Asian

University, New Delhi, INDIA from December 08-12, 2015. He was one of the International Scientific Committee members of this conference and chaired the scientific session on December 12, 2015. Also, he was one of the scientific advisory committee members of the International Conference on Current Trends in PDEs: Theory & Computers organized by SAU, New Delhi, India from December 28-30, 2015.

- Presented a paper entitled *On Some Generalized Forms of Metric Space and Fixed Point* in the 7th National Conference on Science and technology organized by Nepal Academy of Science and Technology (NAST) at Kathmandu, Nepal from March 29-31, 2016.
- Scientific talk at Mathematics and Applied Mathematics Division, School of Education, Culture and Communication, Malardalen University, Vasteras, Sweden on October 14, 2015. Also, participated as a member of the committee for PhD defense of this division.
- Scientific talk at Institute of Informatics, Faculty of Business and Management, Brno University of Technology, Brno, Czeck Republic on November 25, 2015.
- Scientific talk at Institute for Research and Applications of Fuzzy Modeling, University of Ostrava, Ostrava, Czeck Republic on November 19, 2015.
- Scientific talk at the Department of Mathematics & Informatics, Faculty of Science, University of Oradea, Oradea, Romania on November 09, 2015. Also, visited the Department of Mathematics, University of Babes-Bolyai, Cluj-Napoca, Romania on October 29, 2015 and interacted with fixed point research team led by Prof. Ioan A. Rus and other faculty members of the department.
- Scientific talk at the Mechatronics Department, Faculty of Management and Technological Engineering, University of Oradea, Oradea, Romania on October 30, 2015. Visited Uppsala University, Uppsala, Sweden on October 13, 2015 and interacted with Prof. Dr. Leif Abrahamsson, the director of the program in Mathematical Sciences at International Science Program (ISP), Sweden about possible support for promoting mathematics in Nepal. He also visited the Center of Interdisciplinary

Mathematics (CIM), Aalto University, Helsinki, Finland on October 16, 2015.

- Attended the South East Asian Mathematical Society (SEAMS) School 2015 on *Number Theory and Applications in Cryptography and Coding Theory* organized at University of Science, Ho Chi Minh, VIETNAM from August 31-September 08, 2015. Also, presented a talk on *Robustness Analysis of Zero-Knowledge Proof* at this school.
- Attended a talk program on “*Global Market, Global Technology and Global Students*” by Prof. Dr. Ulrich L. Rohde from University of Florida, USA organized by the Mechatronics Department, University of Oradea, ROMANIA October 10, 2015

Prof. Dr. Raj Narayan Yadav

- Attended the 8th International Conference on Industrial and Applied Mathematics held from August 10-14, 2015. ICIAM is organised by the International Council for Industrial and Applied Mathematics once in four years. In the ICIAM 2015 held at Beijing, China, Prof. Yadav made a poster presentation.
- Participated in the International Conference on Function Spaces and Inequalities held at New Delhi, India, during December 8-12, 2015. It was organised by the South Asian University to celebrate the SAARC Charter Day. In this course Prof. Yadav also attended the panel discussion run by eminent scholars of the SAARC nations and raised question on contemporary issue of Nepal. In the conference he made an oral presentation of his research paper.

Dr. Dil Bahadur Gurung

- Participated as a resource person on Mathematical Modeling week held from November 16-20, 2015 at the Research and Development center for Mathematical modeling department of mathematics, University of Colombo, Sri Lanka on the topic – *Mathematical Model for Temperature Distribution in Human Body due to Physical Exercises*. Also, delivered an invited talk on *Computational Study of Thermoregulation in Human Body* at University of Colombo, Sri Lanka on DAAD partnership program held from November 9-20, 2015.

Dr. Dinesh Panthi

- Delivered a talk entitled *Meir-Keeler Type Common Fixed Point Theorems in Dislocated Metric Space* in the International Conference in Function Spaces and Inequalities organized by South Asian University, New Delhi, India, during December 08 -12, 2015.
- Presented a paper entitled *Some Fixed Point Theorems in Dislocated Metric Space* in the 7th National conference on Science and Technology organized by Nepal Academy of Science and Technology during March 29-31, 2016.

Mr. Kaji Prasad Ghimire

- Presented the paper entitled *The Effects of Learning Styles and Students Views on Achievement in Mathematics* at the 8th International Conference of Education, Research and Innovation (ICERI 2015) which was held in Seville, Spain on 16th-18th of November, 2015.

Ms. Urmila Pykurel

- Presented her papers in international conferences including international conference - Humboldt Kolleg on *Living Under Threat of Earthquake at Kathmandu from February 19-22, 2016*

Mr. Jivandhar Jnawali

- Participated and presented a paper entitled *Combination of Modified Newton's and Secant Method for Solving Nonlinear Equations with Order of Convergence* on the 8th International Congress on Industrial and Applied Mathematics (ICIAM 2015) held during August 10-14, 2015 in Beijing, China.
- Participated and presented a paper entitled *Newton Type Iterative Methods with High Efficiency* on International Conference on Function Spaces and Inequalities during December 8-12, 2015 organized by Department of Mathematics, South Asian University, New Delhi, India.
- Participated and presented a paper entitled *A new Variant of Newton's Method with Fourth- Order Convergence* in the 7th National Conference on Science and Technology during March 29-31, 2016 organised by Nepal

Academy of Science and Technology.

Dr. Shree Ram Khadka

- Participated in the 5th International Conference on Dynamics in Logistics Bremen, Germany, February 22-25, 2016 where he presented a paper entitled *On Upper Bound for the Bottleneck Product Rate Variation Problem*. Also, he was awarded by "Commended Award" during the conference for the excellent paper and impressive talk.

Dr. Raju Ram Thapa

- Participated in the National Seminar on Relevance of Physical Sciences in Social Science, December 27-28, 2015, India.
- Participated in an International Conference on Celestial Mechanics & Dynamical Astronomy, December 15-17, 2015, MANUU, Hyderabad, India.
- Attended a national seminar on *Application of Mathematics in Different Disciplines*, December 19-20, 2015 TMBU, Bhagalpur, India.

Dr. Gyan Bahadur Thapa

- Visited and interacted with some faculties and students in Uppsala University, Sweden and Aalto University, Finland regarding further collaborations. Also, he participated in the 9th International Conference on Software, Knowledge, Information Management and Applications (SKIMA 2015), December 15-17, 2015, Kathmandu, Nepal; who was one of the members of the conference organizing committee as well.
- He received his Second PhD degree from Division of Applied Mathematics, Malardalen University, Sweden. The title of his research work is *Optimization of Just-in-Time Sequencing Problems and Supply Chain Logistics*.

Dr. Umesh Rajopadhyaya (Subedi)

- Attended the 7th National conference on Science and Technology organized by Nepal Academy of Science and Technology (NAST) as a presenter. Title of Presentation: *A Common Fixed Point Theorem in Semi-Metric Space Using E.A property*.

Khagendra Adhikari

- Participated on CIMPA-NIMS Research School

on Dynamical Systems: from May 25-June 3, 2015 at Daejeon, South Korea.

- Participated on CIMPA-IRAN Research School on Tailings and Tessellations from August 24-September 4, 2015 at Isfahan University of Technology and Isfahan Mathematics House, Isfahan, Iran.

Mr. Nabaraj Adhikari, Mr. Khagendra Adhikari and Mr. Nilam Kharel

- Participated on SEAMS School 2015 on *Some Aspects of Representation Theory* at Universitas Gadjah Mada, Yogyakarta, Indonesia, 9-17 November 2015.

Dr. Kanchha Bhai Manandhar

- Participated and presented a paper entitled *A Comparative Study of Compatible Mappings in Metric and Fuzzy Metric Space* in the 7th national conference on science and technology organized by NAST at Kathmandu from March 29-31, 2016.

Mr. Buddhi Prasad Sapkota.

- Participated and presented at 7th National Conference on Science and Technology, organized by NAST at Kathmandu on March 29-31, 2016.

Mr. Shyam Sundar Sah

- Attended at International Conference on 'Functional Space and Inequalities' from December 8-12, 2015 held in South Asian University, New Delhi, India and delivered a talk on *Reliability Evaluation of Time Dependent Semi Repairable System*.
- Participated in two days seminar organized by ISET NEPAL and UNESCO NEPAL on the topic *Climatic Change and Development: Knowledge, Skills and Enhancement* on January 14-15, 2016.
- Participated and presented paper on the occasion of the 7th National Conference on Science & Technology, NEPAL, March 29-31, 2016.

Ms. Sharmila Shrestha

- Presented a paper in two weeks workshop on International Forum for Mathematical Modeling (IFMM - 2015) *Mathematical Modeling for the Advancement of Interdisciplinary Sciences* from November 9-20, 2015 entitled *Temperature Distribution Model in Breast Cancer*.

- Presented a paper on the topic *Mathematical Study of One Dimensional Temperature Distribution on Breast Tumor* at the 7th National conference on Science and Technology (NAST), March 29-31, 2016

Mr. Raj Kumar Pradhan

- Presented a paper *Theory and Numerical Solution of Microscopic and Macroscopic Pedestrian Movement* on the 7th National Conference on Science and Technology, Kathmandu, March 29-31, 2016.

Phanindra Prasad Bhandari

- Conference: Living under Threat of Earthquake -International Conference Humboldt Kolleg-Kathmandu, February 19-22, 2016 with title *Network Optimization for Post Earthquake Disaster Mitigation*.

Ms. Gauri Bhujii

- Presented a paper entitled *Mathematical Study of Temperature Variations on Dynamics on Malaria Diseases*, Oral presentation on Seventh National Conference on Science and Technology, Nepal Academy of Science and Technology (NAST), March 29-31, 2016.

Mr. Ganga Ram Phaijoo

- Presented a paper entitled *Mathematical study of travel rates of humans in the study of dengue disease transmission*, in the 7th National Conference in Science and Technology - 2016, NAST, Kathmandu, March 29-31, 2016.
- Presented a paper entitled *Dynamics of Dengue Disease Transmission between Patches* at an International Forum for Mathematical Modeling (IFMM -2015), Colombo, Srilanka, November 9 -20, 2015.

DAAD Partnership Program

Central Department of Mathematics, Institute of Science and Technology, Tribhuvan University has established a DAAD supported partnership program on "*Graph Theory and Optimization with Applications in Industry and Society (GraThO)*". The partner institutions are the Department of Mathematics, University of Kaiserslautern, Germany and Mindanao State University-Iligan Institute of Technology (IIT), Philippines. Professors Dr. Tanka Nath Dhamala, Horst W. Hamacher and Ferdinand Jamil at the



DAAD South-Asia-Regional-Director Mrs. Heike Mock at information session



Humboldt Fellow Prof. R. M. Shrestha wishing Dr. Anne Kremer and Ms. Anja Kerna from Humboldt Foundation

corresponding mathematics departments are the contact persons of this program. The program includes the student exchanges, faculty exchanges, organizing of the workshops and seminars and the updating of curriculum at the partner institutions. The main goal of this network is to strengthen the mathematical education in graph theory and optimization at the mathematics departments of the partner institutions.

Japan Nepal Joint Workshop

Central Department of Mathematics, Institute of Science and Technology, Tribhuvan University, Kirtipur, Kathmandu, Nepal organized the Second Japan-Nepal Joint Workshop on *Some Aspects of Fundamental Mathematics and Applications* during November 23-26, 2015. For that event Professor Shunsuke Morosawa (Kochi University), Professor Toshiyuki Katsura (University of Tokyo), Professor Tomohiro Takata, Professor Kenji Ueno (Yokkaich University), Professor Hironori Shiga (Chiba University) visited Tribhuvan University for one week.

During that time the following courses were given:



Inaugural session of the workshop

- i) An introduction to complex dynamics
- ii) Theory of algebraic-geometric codes
- iii) Smart grid from a mathematical viewpoint
- iv) TBA
- v) Japanese temple mathematics and the K3 surface with this program 30 students and young teachers and faculty members are benefited.

Forthcoming International Conference

International Conference on Applications of Mathematics to Nonlinear Sciences (AMNS-2016)

Venue: Nepal Academy of Tourism & Hotel Management (NATHM)

The Nepal Mathematical Society, the Association of Nepalese Mathematicians in America, the Central Department of Mathematics at Tribhuvan University, and Mathematics Division at Kathmandu University are jointly organizing an international conference in Kathmandu on May 26-29, 2016. The conference provides a forum to a diverse group of scientists in applications of mathematics to natural and health sciences, engineering and finance. Specific areas include analysis, topology, mathematics education, statistics, big data, optimization, operations research, quantitative finance, mathematical biology, biomedical science, biophysics, geophysics and public health. To date, 21 posters, 97 invited and contributed, 16 plenary and special invited and 5 principal speakers have been confirmed from worldwide including from Nepal (50), USA (29), India (34), Sri Lanka (5), Germany, UK, Korea, Portugal, Taiwan, Malaysia, South Africa, Turkey, Portugal, Hongkong ,

International Conference on
Applications of Mathematics to Nonlinear Sciences
(AMNS-2016)
May 26-29, 2016
Kathmandu, Nepal
<http://anmaweb.org/AMNS-2016>



Conference venue-
National Academy of Tourism and
Hotel Management

Bangladesh and Czech. The principal speakers include Dongho Chae (Korea), Gerhard Pfister (Germany), Ratnasingham Shivaji (USA), Lindi M. Wahl (Canada) and Jiahong Wu (USA). Around 200 mathematicians from Nepal and abroad are participating the conference. Please visit <http://anmaweb.org/AMNS-2016> and www.nms.org.np for details.

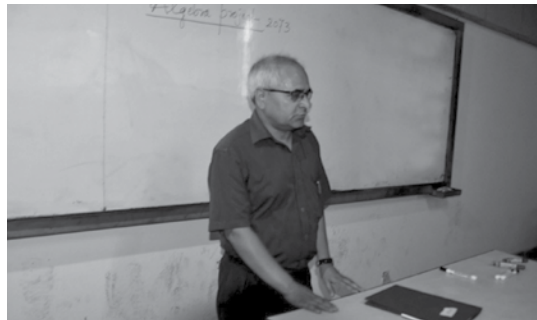
Nepal Algebra Project (NAP)

Fields and Galois Theory Course in Nepal 2016 - 2021

Central Department of Mathematics, Tribhuvan University in collaboration of International Mathematics Union is organizing Nepal Algebra Project from 2016 to 2021. During this period, MPhil scholars, young researchers and mathematicians will be given extensive courses on Fields and Galois Theory at Tribhuvan University, Kirtipur, Kathmandu, Nepal.

In each of the six years, one course of 50 hours will be offered at Tribhuvan University by several lecturers from developed countries. The course will last for 10 weeks (five hours each week) starting from the second week of May to the end of July. It will be divided into five modules, each of two weeks. The lecturers of first edition of the course in 2016, will follow the following Schedule:

1. Roger Wiegand and Sylvia Wiegand- USA (May 08-20, 2016)



Prof. Dr. Kedar Nath Uprety addressing the participants



Prof. Roger Wiegand and Sylvia Wiegand

2. Hironori Shiga -Japan (May 22-June 3, 2016)
3. Nick Gill-UK (June 5-17, 2016)
4. Michel Waldschmidt-France (June 26-July 8, 2016)
5. Kalyan Chakraborty-India (July 10-22, 2016)

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"A successful teacher should take every day as a new day with new experiences. Each day he learns something new, be it from his students, from other teachers, books and even from his own mistakes."

Prof. Dr. Dharani Dhar Regmi



Prof. Dr. Dharani Dhar Regmi, a well-known Mathematician of Nepal, was born in 20th Poush, 2008 in Janakpur. He had started his teaching career from Prithivi Narayan Campus Pokhara since 2031 BS. He passed the SLC examination in 13 years of his age and completed MSc in Mathematics from TU in 2028. Prof. Regmi has received various awards and recognitions for his outstanding performances and contributions in Mathematics including Chancellor Gold Medal (BS 2028), Mahendra Vidya Bhushan Kha (BS 2029), Mahendra Vidya Bhushan Ka (BS 2045), National Education Prize (BS 2049) by Ministry of Education, Third World Academy of Sciences (TWAS) award (BS 2049), Life Time Achievement Certificate by Council for Mathematics Education, Kaski. He remained the Head of Department (HoD) in several tenures in Prithvi Narayan (PN) Campus, Pokhara, Vice President of Nepal Mathematical Society and Senate Member of Pokhara University. Currently, he is the HoD of Mathematics in Nepal Engineering College, Bhaktapur. What follows is an interview with Prof. Regmi by Prof. N. P. Pahari for the Newsletter of Nepal Mathematical Society.

☞ **Prof. Regmi, where are you from? Could you tell us a little bit about your academic background?**

- Let me begin with my personal background. I was born and grown up in Janakpur and completed my schooling from Saraswati High School, Janakpur at the age of 13 years. I did my Intermediate and Bachelor's Degree from R. R. Campus Janakpur. Then I completed my Master's Degree from the Central Department of Mathematics, T.U in 2028 BS. After this, I started my teaching career from PN Campus, Pokhara in 2031 BS. Thirteen years later, I completed my PhD from Banaras Hindu University (BHU), India in 2044 BS.

☞ **Would you share us about your experiences at the Central Department as a Master's Level student?**

- I had joined the Department in 2026 as a Master's level student. At that time, we were 66 students and few of teachers including Prof. R. P. Choudhary, Prof. R. M. Shrestha, Prof. R. P. Manandhar and Prof. S. R. Pant. So far I can recall, there was a very disciplined, friendly and academic environment in teaching learning activities.

☞ **It is a reality that the enrollment of students in Mathematics is declining day by day in universities. How is it possible to improve the situation?**

- That's sort of a hard question to reply. The sharp drop in the enrollment in Mathematics in the Bachelor's and Master's level is the major issue of the current situation. Job opportunity is not available for passed out students except in teaching sector, which is not the priority of current graduates. Mathematics should be simplified and popularized. New employment sectors besides teaching should be explored with the focus on research and new trends.

☞ **Prof. Regmi, you are still actively involved in teaching Mathematics even today. What is your opinion regarding the improvement of Mathematics Curriculum and Evaluation System in the University level?**

- Mathematics is used in every discipline of social and natural sciences. It should be applicable to real life situations as far as possible. The curriculum, especially of Bachelor's and Master's level of TU, focuses on more theoretical part and lacks application aspects. The curriculum is highly ambitious in objective and overloaded in content. It is not the priority of high scoring students. The students may not receive conceptual knowledge of the subject even in higher level. The evaluation process is based on mugging up rather than conceptual learning and application.

☞ **Prof. Regmi, how can Mathematics be made more popular among younger generations?**

- The curriculum should be reviewed and updated regularly to make Mathematics more students friendly including the recent trends and findings. Practical classes should be incorporated in school and higher level, and extra-curricular activities like Mathematical quiz, Math Olympiad should be conducted from school to university to create more interest towards Mathematics. Students should be convinced that Mathematics is a beautiful literature that should be studied with enjoyment like other disciplines of arts.

☞ **Have you sacrificed some other interests while choosing Mathematics as your career?**

- It is well known that Mathematics is difficult and time consuming subject and Mathematicians are working essentially all the times. This comes at the expense of sometimes sacrificing quality time with one's family, relatives and society.

☞ **Which books have made big impression on you?**

- I have read many books. Among them, the enormous impressive book for me is "Topics in Algebra" by I.N.Herstein, for its presentation of the enriching subject matter in an exceptional and interesting way.

☞ **Prof. Regmi, what role should Mathematicians play in the Society?**

- (Smiling) I think that Mathematicians should have new and important roles to play in the society. There are lots of career options available after a degree in Mathematics and Mathematicians need to show students how to challenge various social and political vulgarizations to shape the society. As it is the study of fact and accuracy, we should contribute the society with these values.

☞ **How important is teaching to you?**

- Teaching is very important for me. Still I am involved in teaching with very warm response and goodwill from the side of students as well.

☞ **Prof. Regmi, what aspects of your job do you find most challenging, and how do you overcome them?**

- Being a Math teacher, I think the most challenging part is finding applicable relations of the curriculum that is relevant to student's career. Students quite often ask in my class - "When are we going to use this in real life?" Real life applications of the subject can give students insight, knowledge and respect for their interests. Hence, I always try to focus in the application part.

☞ **Mathematics can be a challenging subject for some learners. How do you make your lessons interesting for students?**

- Absolutely, Mathematics is considered as a hard subject. But, we should motivate with different approaches to ensure students that learning Mathematics is essential and is really a fun.

☞ **In spite of challenges in teaching, what do you most enjoy about being a teacher?**

- A successful teacher should take every day as a new day with new experiences. Each day he learns something new, be it from his students, from other teachers, books and even from his own mistakes.

☞ **Finally, what advice will you like to give to the new Math teachers who are just starting their career?**

- A Mathematics teacher or the one aspiring to become Mathematics teacher should be a sincere learner. One should take this as a career rather than a job. S/he should give extra hours regularly to excel in the knowledge of the subject matter.

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SHORT BIOGRAPHY

About Family: Some Ups and Downs

Bhadra Man Tuladhar was born in 2000 BS (1943 AD) at Tebahal, Kathmandu, and got his name 'Bhadra' from the name of the month he was born in by Nepali calendar. His father, Purna Man 'Upasak' first worked as a clerk in Cottage Industry and later in Bata Shoe shop. Though a housewife, his mother, Hera Devi was a very intelligent lady and she could read and write better than his father, and she would beautifully recite the Buddhist religious verses. Bhadra Man Tuladhar was married to Bimala in 1972, who died of cancer in 1996. They have a son-Daniel Tuladhar, PhD in Auto-Mobile Engineering and is an Associate Professor of Kathmandu University. In 1997 Bhadra Man married Nirula Tamrakar.

Education and Profession: A Wonderful Management

Prof. Tuladhar admits that he was mischievous and arrogant in his childhood. This made him stay away from joining school in his early childhood. He would rather go and play in Tundikhel than attend school. His father was a Buddhist devotee and used to visit Ananda Kuti Vihar in Swayambhu. In the process of exploring a good school for his son he happened to meet Mr. Nhuchhe Bahadur Bajracharya, who has just returned from study in Ceylon and staying at Ananda Kuti Vihar. The school was later named Ananda Kuti Vidyapeeth, making Bhadra Man its first student. After 6 years of his formal education, and at the age of 14, Bhadra Man became the first batch of students to pass School Leaving Certificate (SLC) in 1957. He had already proved his capability during the school years when he was selected to welcome as well as give welcome speech to the then President of India, Rajendra Prasad and the Chinese Prime Minister, Chau En Lai during their Nepal visit. After school, he joined ISc at Tri-Chandra Campus (TC), Ghantaghar. Unfortunately he had to drop his study for a year to take care of his sick mother. In the mean time, he volunteered to teach at Ananda Kuti Vidyapeeth and later in 1961, he was appointed as a teacher in the school, and became financially independent, which helped him to pursue BSc at TC. He attended the classes in the morning and continued his teaching career in the day time. He worked hard to manage both his responsibilities, and in 1964 he completed his BSc. In 1965, he worked as a lab assistant/demonstrator



Prof. Dr. Bhadra Man Tuladhar

in Ananda Kuti Science College. In 1966, he got the conformation to study Mechanical Engineering at Peoples' Friendship University of Russia. Later, he was fascinated by beauty of Mathematics and decided to switch to the study of Mathematics. Russian Mathematics was the best in the world and at the same time, he was planning on coming back to Nepal with the vision to transform the Ananda Kuti Science College into a Polytechnic Institute and work there as a Director. This dream was not fulfilled due to the education policy of that time.

In 1972, he completed MSc in Mathematics and came back to Nepal. He started working as an Assistant Lecturer at the Institute of Science and Technology, TU in Dharan in 1973. He became the Chief of the Institute in 1976. Again, he went to Russia for further study. He completed his advance course from the same university in 1980 and completed his PhD in 1983. Though the duration of PhD research was of 3 years, he completed it in 2 years and 9 months with the specialized in Stability of Motion in Inverse problems of Newtonian Mechanics. Later on he published his PhD research in the form of a book 'An Introduction to Stability in Motion', which was launched by the then Prime Minister Krishna Prasad Bhattarai in the World Mathematics Year 2000.

Services: Very Special Contribution for the Education Sector

He continued to work in Dharan till 1985. Besides teaching, he took the responsibility of improving the Institute's conditions and in two years' time the college had its own building. He then focused on planning and development of the college. He had not abandoned the dream of establishing a college yet, and with Dr. Suresh Raj Sharma, Member Secretary of National Education Committee in

1985, he planned to establish a science college. They got permission from TU to run PCL in Science in Kathmandu Valley College in the morning at the premises of Institute of Engineering's building Pulchowk.

With great effort and dedication, the college took the form of today's reputed Kathmandu University (KU) in 1992 where Prof. Dr. Tuladhar became one of the founder members. At KU, he worked in various designations, namely the first Dean, the first Controller of Examination and the second Registrar, thereby bringing his dream into a reality. He has already supervised two national and one international PhD students. As the President of Nepal Mathematical Society (NMS) for the last six years (2009 -2015), he worked hard to uplift the organization. NMS became Associate Member of International Mathematical Union (IMU) in 2010 and Associate Member of South-East Asian Mathematical Society (SEAMS) in 2011.

At the age of 72, he is equally active as a supervisor for several PhD students of applied Mathematics. He is also the Chairperson of Ananda Kuti Vidyapeeth School Management Committee, where he spent his entire school years. He is working on the revival and development of the school which was once one of the best schools in Nepal.

Awards, Involvements and Representations

Awards

- ❖ National Education Day Medal in 1975 (starting year).
- ❖ Mahendra Vidya Bhushan Medal 'A' in 1986 for academic achievement.
- ❖ Supraval Gorkha Dakshin Bahu in 1994.
- ❖ RONAST Science and Technology Talent Award in 2005 for Institutional Development of Mathematics Curriculum and Higher Education in Nepal.
- ❖ Physics Nobel Laureate (1978) Peter Kapitza Centenary Memorial Memento (1994).

Involvements

- ❖ Vice president of Nepal Mathematical Society, 2044.
- ❖ President of Nepal Mathematical Society 2066, 2069.
- ❖ Advisor of Nepal Mathematical Society, 2072.
- ❖ Conducted international conferences in

Nepal twice.

- ❖ Life member of American Mathematical Society.
- ❖ Founder member of Theoretical Physics and Advanced Mathematics (IFM) Einstein-Galileo, Italy.

Participations

- ❖ World Mathematics Year Conference 2000. Macau.
- ❖ International Congress on Teaching of Mathematical Modelling and Applications 2001, Beijing, China.
- ❖ International Congress of Mathematicians 2002, Beijing, China.
- ❖ International Congress on Industrial and Applied mathematics 2003, Sydney, Australia.
- ❖ International Congress on Mathematical Education 2004, Copenhagen, Denmark.
- ❖ International Congress on Teaching of Mathematical Modelling and Applications 2005, London, UK.
- ❖ Abel Prize Ceremonies, 2005 and 2007, Oslo, Norway.
- ❖ International Mathematical Union General Assembly 2010, Bangalore, India.
- ❖ International Congress of Mathematicians 2010, Hyderabad, India.
- ❖ Asian Mathematical Conference 2013, Busan, South Korea.
- ❖ International Mathematical Union General Assembly 2014, Gyuonju, South Korea.
- ❖ International Congress of Mathematicians 2014, Seoul, South Korea.
- ❖ International Conference on Gravitation, Cosmology and Continuum Mechanics 2016, Moscow, Russia.

Countries Visited

Austria, Australia, Bangladesh, Bhutan, Belgium, Bulgaria, Cambodia, Canada, China, Denmark, Greece, Finland, France, Germany, Hong Kong, Hungary, India, Indonesia, Italy, Japan, Korea, Macau, Malaysia, Myanmar, New Zealand, Norway, Philippines, Poland, Republic of San Marino, Qatar, Romania, Singapore, Sri Lanka, Sweden, Switzerland, Thailand, UK, USA, USSR, Vietnam.

(Prepared by **Parameshwari Kattel**)

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17. Anup Tuladhar
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27. Baburam Neupane
28. Baburam Suyal
29. Badri Laxmi Vaidya
(Treasurer, 2063; EC Member, 2050)
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