

CURRICULUM VITAE

Name: RITU BASNET THAPA
Father's Name: Mr. Suresh Basnet
Date of Birth: 26th December, 1981 (Poush 11, 2038)
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Nationality: Nepali
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Work Affiliation: Assistant Professor, Department of Mathematics, Tri-Chandra Multiple Campus, Tribhuvan University, Nepal

ACADEMIC QUALIFICATIONS:

PhD (running), Department of Mathematics, Kathmandu University, Dhulikhel.
M.Phil. (Mathematics), School of Science, Kathmandu University, Dhulikhel, **Nepal (2009)**.
M.Sc. (Mathematics), Rani Durgavati Vishwavidyala, Jabalpur, M.P., **India (2004)**.
B.Sc., Rani Durgavati Vishwavidyala, Jabalpur, M.P., **India (2002)**.
I. Sc., Madhyamik Shiksha Mandal, M.P., Bhopal, **India (1999)**.
School Leaving Certificate, Madhyamik Shiksha Mandal, M.P., Bhopal, **India (1997)**.

TEACHING EXPERIENCES

- Assistant Professor at **Tri-Chandra Multiple Campus, Tribhuvan University**, Kathmandu since 2074-10-19 (B.S.).
- Teaching experience in various institutions as follows:
 - 1) **Kantipur City College, Putalisadak, Kathmandu**
 - 2) **Himalayan White House International College, Putalisadak, Kathmandu**
 - 3) **Diyva Gyan College, Putalisadak, Kathmandu**
- Received Teaching Assistantship in the **Department of Natural Science, School of Science, Kathmandu University** during my M.Phil. Program from **2006 to 2009**.

PUBLICATIONS

- **Tandem Queue and Its Applications in the Production of Bi-layer Tablets** published in Journal of Nepal Mathematical Society, Vol. 7, Issue 1, July 2024 pp.100-107.
- **Finite Capacity Queueing System with Vacations and Server Breakdown** published in International Journal of Engineering, Vol. 24, No.4, November 2011 pp.387-394.
- **A Study on Teaching Applicable Mathematics in the University of Nepal** published in Kathmandu University Journal of Science, Engineering and Technology Vol. 1, No. V, September 2008 pp. 86-94.

SEMINAR AND CONFERENCE (National and International)

- Participated in AESIM School 2024 on “**Differential Equations, Numerical Methods and their Applications with Scientific Computing**” supported by CIMPA and organized by Central Department of Mathematics, Tribhuvan University from **June 12-23, 2023**.
- Participated in a Two-day workshop on “**Quantum Computing and Post Quantum Cryptography**” organized by Kathmandu University Computational Mathematics Club on **March 26-27, 2023**.
- Presented a paper on “**Utilization of Tandem Queue System in the Manufacturing of Bilayer Tablets**” at “**WoNiMS Annual Conference(WAC-2023)**”, organized by Women of Nepal in Mathematical Sciences from **November 3-5, 2023**.
- Presented a paper on “**Application of Tandem Queue in the Production of Bi-Layer Tablets**” at “**International Conference on Technologies for Computer, Electrical, Electronics & Communication (ICT-CEEL 2023)**”, organized by Khwopa Engineering College & Khwopa College of Engineering, Bhaktapur, Nepal from **October 11-13, 2023**. (Abstract P. 136)
- Participated in “**Capacity Building Workshop for Mathematics Faculties (CBWMF-2021)**” organized by Nepal Mathematical Society from **June 19-26, 2021**.
- Participated in “**International Conference on Analysis and its Application-2021**” organized by Nepal Mathematical Society from **April 9-11, 2021**.
- Participated in 1 Day Webinar on “**Symbolic Computation in Mathematica 2020**” organized by Siksha ‘O’ Anusandhan (Deemed to be University), Bhubaneswar, Odisha, India on **27th December 2020**.

- Participated in the “**National Workshop on Project Work in Mathematics**” organized by Nepal Mathematical Society from **September 13-16, 2019**.
- Presented a paper on "**Review on Mathematics Teaching for Applied Courses in Nepal**" at "**The Fifth National Conference on Science and Technology**", organized by Nepal Academy of Science and Technology from **November 10-12, 2008**. (Abstract P. 387)
- Participated in "**Third South Asian Universities Youth Festival (SAUFEST 2008)**" organized by Kathmandu University in collaboration with the Association of Indian University (AIU) from **February 07-11, 2008** held at Kathmandu University.
- Presented a paper on “**Teaching Applicable Mathematics in Universities of Nepal**” at an International Conference on the “**Mathematical Modeling and Applications (ICTMA 13)**”, organized by Kathmandu University, Dhulikhel, Kavre, Nepal from **June 24 – 29, 2007**. (Abstract P. 47)
- A two-day seminar on “**Teaching Methods, Materials and Evaluation Techniques in Mathematics**” in Kirtipur, Kathmandu **September 21-22, 2007** organized by Central Department of Mathematics, T.U. Kirtipur and Nepal Mathematics Society.

FELLOWSHIP

- Scholarship by the University Grant Commission (UGC), Nepal for M.Phil. in Mathematics.
- Fellowship by the University Grant Commission (UGC), Nepal for PhD in Mathematics.

RESEARCH INTERESTS

- Operation Research
- History of Mathematics and Mathematics Education