*Department of Mathematics*

**Faculty of Science / University of Peradeniya**



# Dr. Niluka Rodrigo

*B.Sc., M.Phil (Perad.), Ph.D. (Perad.)*

**Senior Lecturer**


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## About Me

Dr. Niluka Rodrigo is a Senior Lecturer attached to the Department of Mathematics, Faculty of Science, the University of Peradeniya since 2014. She graduated with a Ph.D. in Mathematics and MPhil from the Postgraduate Institute of Science, the University of Peradeniya under the supervision of Prof. W. B. Daundasekara and Prof. A. A. I. Perera. Niluka received her B.Sc. Special Degree in Mathematics from the University of Peradeniya in 2005. She has great knowledge in the field of Operations Research. In addition, she is familiar with several software; Matlab, Python, Lingo, Excel, and Mathematica. Her research interests are mainly focused on Mathematical Modelling with applications. Also, she is working as the Senior Treasurer of the Statistics and Operations Research Society.

## Higher Education Qualifications

**B.Sc. (Special) in mathematics.**

University of Peradeniya
(2005)

**MPhil**

University of Peradeniya
(2014)

**BSc**

University of Peradeniya
Sri Lanka
(2005)



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## Awards, Scholarships, Memberships & Fellowships



Nothing to show under this subheading !!!

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## Positions Held

- Senior Lecturer Gr. II- (December 2014 – to date)
- Probationary Lecturer.- (March 2007- December 2014)
- Temporary Assistant Lecturer- (June 2005 – March 2007)


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## My Teachings

- MT108: Operations Research I
- MT109: Linear Programming
- MT1092: Introduction to Mathematical Computing
- MT210: Advanced Linear Programmin
- MT212: Operations Research II
- MT311: Linear Programming
- MT314: Network Optimization
- MT410: Optimization for Engineering Design

## Research Interests (Research Fields/ Projects)

Operations Research
Network Modeling
Cutting Stock Problems

## Ongoing Research and Projects



Nothing to show under this subheading !!!


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## Key Publications

Nothing to show under this subheading !!!

## Conferences

**Postgraduate Institute of Science Research Congress**

**HELD AT :** Sri Lanka - (October 2014)
**TOPIC :** *Optimum Arrangement in Two-Dimensional Cutting Stock of Circular Items*

**Research Session**

**HELD AT :** University of Peradeniya, Peradeniya, Sri Lanka - (Nov. 2011)
**TOPIC :** *Pattern Generation for One-Dimensional Cutting Stock Problem*

**Research Session**

**HELD AT :** University of Peradeniya, Peradeniya, Sri Lanka - (Nov. 2005)
**TOPIC :** *An Application of Traveling Salesman Problem*

## My Publications

Please goto the website.

https://sci.pdn.ac.lk/maths/staff/Niluka-Rodrigo


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