

My interest in Mathematics arose during my high school days. There I excelled in Applied Math, Pure Math, Chemistry and physics. Having passed the competitive national examination, the GCE Advanced Level successfully in 1999, I was selected to the Faculty of Science, University of Peradeniya, Sri Lanka in year 2001 to read for my undergraduate degree. Due to limited placements, only 1% of eligible students are able to gain entrance to a University in Sri Lanka.

During the first year at the University of Peradeniya, Sri Lanka I followed Mathematics (Applied Math and Pure Math) and Physics. In the second year, in addition to Mathematics and Statistics, I followed Science Education as a supplementary subject. Based on my excellent performance at the end of second year examination, I was selected to specialize in Mathematics. I was one of only eleven students, selected for this special degree program from a pool of around 100 students. After all, I graduated with *SECOND CLASS HONOURS* (Upper Division) having 3.39 GPA in 2005.

In the final year as partial fulfillment of the requirement of the degree I successfully completed a project on *Operational Research*, titled “*An Application of the Traveling Salesmen Problem*”. Object of my project was to find shortest path within the specified cities in Colombo city in Sri Lanka and I used *Eastman Algorithm, Assignment Problem and Hungarian Algorithm*. I got an opportunity to present my project in the Peradeniya University Research Session (PURSE) in 2005.

After I received B.Sc Special degree in Mathematics, I was appointed as a *Temporary Assistant Lecturer* in the Department of Mathematics, Faculty of Science, University of Peradeniya, Sri Lanka from 06/2005 to 03/2007. During that period, I conducted lectures (Subjects: *Numerical Analysis, Classical Mechanics, Complex Analysis etc.*) and practical classes using *Matlab, Microsoft Excel, Lingo, TORA* etc. After then, I attached to the Department of Mathematics, University of Peradeniya as a *Probationary Lecturer*. I conducted lectures, *Statistics and Operational Research, Complex analysis and practical classes using, LINGO, MicroSoft Excel, TORA* etc.

Within the probationary period, I pursued my higher studies and I acquired *Master of Philosophy* (M.Phil) in 2014 from *Post Graduate Institute of Science, University of Peradeniya, Sri Lanka*.

Then, I was appointed as a Lecturer in the Department of Mathematics, Faculty of Science, University of Peradeniya, Sri Lanka from 03/2007 to 12/2014. After then, I was promoted to the *Senior Lecturer Grade II* in the Department of Mathematics, Faculty of Science, University of Peradeniya, Sri Lanka with effect from 12/2014.

At present, I am working in the Department of Mathematics, Faculty of Science, University of Peradeniya, Sri Lanka as a *Senior Lecturer Grade II* and I am conducting research with undergraduate and postgraduate students.

My Publications:

- 2015 W. N. P. Rodrigo, W. B. Daundasekara and A. A. I. Perera
 “*Modified Method for One-Dimensional Cutting Stock Problem*”.
- 2014 W. N. P. Rodrigo, W. B. Daundasekara and A. A. I. Perera
 “*Optimum Arrangement in Two-Dimensional Cutting Stock of
Circular Items*”, Postgraduate Institute of Science Research
Congress, Sri Lanka, October 2014.
- 2013 W. N. P. Rodrigo, W. B. Daundasekara and A. A. I. Perera “*A
Method for Two-Dimensional Cutting Stock Problem with Triangular
Shape Items*”, British Journal of Mathematics & Computer Science
(BJMCS), 3(4), 750-771, 2013.
- 2012 W. N. P. Rodrigo, W. B. Daundasekara and A. A. I. Perera
 “*Pattern Generation for Two-Dimensional Cutting Stock Problem with
Location*”, Indian Journal of Computer Science and Engineering
(IJCSE), Vol. 3, No 2, April-May 2012, 354-368.
- 2012 W. N. P. Rodrigo, W. B. Daundasekara and A. A. I. Perera
 “*Pattern Generation for Two-Dimensional Cutting Stock Problem*”,

International Journal of Mathematics Trends and Technology, Vol. 3, Issue 2, 2012, 54-62.

- 2011 W. N. P. Rodrigo, W. B. Daundasekara and A. A. I. Perera
“Pattern Generation for One-Dimensional Cutting Stock Problem”,
Peradeniya University Research Session, Nov. 2011.
- 2005 W.N.P Rodrigo and W.B. Daundasekara, *“An Application of Traveling Salesman Problem”*, Peradeniya University Research Session, Nov. 2005