

Mr. N.S. Rathnayaka

No: 336/A-2,
Posonwatta Road,
Wanawasala,
Kelaniya,
Sri Lanka.

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Curriculum Vitae

❖ Personal Details

Name	:	Nimal Shantha Rathnayaka
Address	:	No: 336/A-2, Posonwatta Road, Wanawasala, Kelaniya
Date of Birth	:	24-08-1975
National ID card No	:	197523710020
Marital status	:	Married
Gender	:	Male
Nationality	:	Sri Lankan
Religion	:	Buddhism

❖ Educational Qualification

➤ University Education

M.Phil in Mathematics, University of Colombo (2016)

**B.Sc (Special) Degree in Mathematics with Second Class Upper (HONOURS),
University of Ruhuna, Matara, Sri Lanka. (2003)**

			<u>Grade</u>
1 st year		Mathematics	B
		Further Mathematics	C
		Physics	B
2 nd year		Mathematics	B
		Further Mathematics	B
		Physics	A
3 rd year:	Principle subjects	Statistics	B
		Algebra	C
		Computational Fluid Dynamics	C
		Analysis	B
4 th year:	Principle subjects	Statistics	B
		Algebra	A
		Computational Fluid Dynamics	A
		Analysis	B
Project report (Survey of Numerical Solution of Linear Equations Systems)			A

➤ **School Education**

G.C.E. Advance Level, H/Vijayaba Central College, Hungama, Sri Lanka.(1996)

Pure Mathematics (C), Applied Mathematics (S), Chemistry (S), Physics (S)

G.C.E. Ordinary Level, H/Yodakandiya Central College, Yodakandiya, Tissa, Sri Lanka.(1992)

Science (S), Mathematics (C), Social Study (C), Sinhala (C), Agriculture (D),
Optional English (D), Buddhism (S), English (S), Art (S).

❖ **Professional Qualifications**

Certificate in Teaching in Higher Education, University of Colombo, Sri Lanka (2011)

❖ **Publications**

Mendis M.K.S, Predeep B.G.S.A, Rathnayaka N.S. “Stability analysis of a double delayed HIV-I Dynamics model with nonlinear functional response and absorption effect”, Proceeding of 5th Ruhuna international Science and Technology Conference, University of Ruhuna, Sri Lanka, February 15, 2018, ISSN: 1391-8796. pp 63.

S.D. Pavithra Jayasundara, S.S.N. Perera, N. S. Rathnayaka, “Developing a Decision Support Testing Algorithm to Detect Severity Level of Dengue” European Scientific Journal March 2017 edition vol.13, No.9 ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431.

N.S. Rathnayaka, J.K.Wijerathna, “Modification of information gain measure to select the best group of attributes in a data set for a binary decision tree inducer”, *Proceedings of the Research Symposium on Value Addition for Sustainable Development*, Uva Wellassa University, Sri Lanka, January 29-30,2015, ISBN 978-955-0481-08-8. pp 14-16.

N.S. Rathnayaka, J.K.Wijerathna, “Modification of ID3 Algorithm to explore student performance with their attributes”, Proceedings of the International Research Conference on *Expanding Developmental Horizons through Education, Research and Innovation*, General Sir John Kotelawala Defence University, Sri Lanka, December-22, 2014.

Bandara R M P S & Rathnayaka N S, "Modelling of Conventional Swing of the Cricket Ball using Computational Fluid Dynamics", Outcomes of the International *Symposium on Ensuring National Security Through Reconciliation & Sustainable Development*, General Sir John Kotelawala Defence University, Sri Lanka, 22nd-23rd August, 2012, ISBN 978-955-0301-05-8, pp. 447-457.

N.S. Rathnayaka, "A Survey of Numerical Solutions of Linear Equations Systems", Unpublished Thesis, Department of Mathematics, University of Ruhuna, Sri Lanka, 2003.

❖ **Career Information**

UNDERGRADUATE TEACHING EXPERIENCES

- **Senior Lecturer Gr II** at department of Mathematics, Sir John Kotelawala Defence University, Ratmalana, Sri Lanka. (2016 onward)
- **Lecture** at the Department of mathematics Faculty of Engineering, Sir John Kotelawala Defence University, Ratmalana, Sri Lanka (2014- 2016)
- **Lecturer** at the Department of Computer science and Mathematics, Faculty of Engineering, Sir John Kotelawala Defence University, Ratmalana, Sri Lanka. (2009 - 2015)

- **Assistant Lecturer** at the Department of Mathematics, University of Ruhuna, Matara, Sri Lanka. (Nov 2004-Nov 2007)
- **Tutorial Instructor** at the Department of Mathematics, University of Ruhuna, Matara, Sri Lanka. (Nov.2003-Nov 2004)

VISITING APPOINTMENTS

- **Visiting Lecturer** at Pioneer Institute of Business and Technology (*PIBT*), 51, Flower road, Colombo-07, Sri Lanka. (August 2012 to 2015 August)
- **Visiting Lecturer** at Asian Aviation Centre (PVT) Limited, Colombo Airport, Ratmalana, Sri Lanka. (April 2013 to January 2014)
- **Visiting Lecturer** at Department of Mathematics & Phil. Of Eng., Open University of Sri Lanka, Matara. Sri Lanka. (July 2007 to July 2008)

❖ Skills

▪ Language

	Reading	Writing	Spoken
Sinhala	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

- Successfully completed the proficiency in English examination (of three years duration) conducted by the University of Ruhuna

▪ Computing

- Working experience with windows and Linux operating systems
- Programming in Matlab and Mathematica
- Unix/Linux Commands & Utilities
- Programming in C on Linux
- Microsoft office Application, internet & E-Mail

❖ Workshop / Seminars

- Workshop on Financial Risk Management in Research and development Center for mathematical Modeling, Department of mathematics, University of Colombo, Sri Lanka, 11th January 2014.
- Participation/Present in DAAD partnership workshop organized by Department of Natural Sciences, School of Science, Kathmandu University, on “ Numerical Methods for Ordinary and Partial Differential Equations” held during September 2 – 13, 2013 at Kathmandu University, Dhulikhel, Nepal.
- Participated in the workshop on **Open Source in Education** on 10th October 2006 at the Main Library Auditorium, University of Ruhuna, Sri Lanka.
- Participated in the workshop on **TEACHING AND LEARNING PROCESS** organized by the Staff Development Committee Members of the Faculty of Science, University of Ruhuna with the support of **Quality Assurance and Accreditation Council** of the University Grants Commission, Ministry of Education on 21st September 2006 at the University of Ruhuna, Sri Lanka.

- Participated in the **Ruhuna International School on Computational and Mathematical Physics (RISCMAF)** held at the Department of Mathematics, University of Ruhuna, Sri Lanka, from 20th to 25th December 2004. The followed courses had been offered at the school – Computational Physics, IT Security, Grids and Security, Objects, Components and Grids, Computational Chemistry, Density-matrix renormalization, Modeling Traffic and other Complex System, Large Deviation Techniques for Disordered Systems.

❖ Others

- **Team work**

- Working as an active member of the Educational Support Foundation Ruhuna Mathematics (ESFoRuM) and supported to the students who lost their mother, father or both by the Tsunami, giving scholarships about four hundred (400) students
- Participated in the exhibition held at the University of Ruhuna to celebrate its 25th Anniversary by conducting a stall

- **Interests and Extra-Curricular Activities**

- **Spots**

- Member of the volleyball team of the Faculty of Science, University of Ruhuna
- Active member of school sports council
- More than three-year experience about KUNG-FU course

❖ Referees

1. Dr. B.G.Sampath A Predeep
Dept of Mathematics,
University of Ruhuna,
Matara, Sri Lanka.

Mobile: +94(0)715335106
E-Mail: sampath@maths.ruh.ac.lk

2. Dr.J. K Wijerathna,
Senior Lecturer (Grade I),
Dept of Mathematics,
University of Colombo,
Colombo, Sri Lanka.

Mobile: +94(0) 714421491
E-Mail: Jagath@sci.cmb.ac.lk

I do hereby confirm that the above stated details are true and correct to the best of my knowledge.

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Date

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(N.S. Rathnayaka)

