

## CURRICULUM VITAE

### HERATH MUDIYANSELAGE INDUPAMA UMayANGI HERATH

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#### PERSONAL INFORMATION

- Name in full : Herath MudiyanseLage Indupama Umayangi Herath
- Date of Birth : 25<sup>th</sup> January 1991
- Age : 25 years
- Civil Status : Married
- Nationality : Sri Lanka
- Schools attended :Swarnamali Girls' Collage, Kandy, Sri lanka (1996-2000),  
Girls' High School, Kandy, Sri Lanka (2001-2009).
- NIC : 915253164v
- Passport no : N5499650

#### EDUCATIONAL QUALIFICATION

##### ➤ University Level

2017/18 Currently reading for **Ph. D. Mathematics** at Ohio University, OH, USA.

2017 **M.Sc. in Industrial Mathematics** at Postgraduate Institute of Science (PGIS),  
University of Peradeniya, Sri Lanka.

2015 **B. Sc (Special) degree in Mathematics** (4 years) with **first class honors**  
University of Peradeniya, Sri Lanka.

Major : Mathematics

Minor : Physics

GPA : 3.97/4.00

Research : Final year project regarding the application of Multi-Objective  
Fuzzy Linear Programming in Agricultural Production Planning.  
(Obtained 'A' grade)

➤ **Other Educational Qualifications**

- Graduate Record Examination (**GRE**) - **Computer based**, 15/08/2016, Score of 305/340 (Verbal Reasoning – 141, Quantitative Reasoning – 164, Analytical writing – 3.0)
- **IELTS** exam 26/11/2016, Overall Score 7.5, Speaking -6.5, Writing -7, Reading – 7.5, Listening -8.5
- Successfully passed the certificate course conducted by English Language Teaching Unit, Faculty of Science, University of Peradeniya. (2012).
- Certificate Course in Computer Science at National Institute of Business Management- Sri Lanka. (NIBM) – (2010).
- Successfully completed the graded examinations in **Spoken English** conducted by the Institute of Western Music and speech.  
Passed the elementary grade (1998).  
Passed the initial grade with honors (1997).

**RESEARCH INTEREST**

My principal research interests lie in the field of Computational Mathematics, Numerical Analysis, Mathematical Modelling as well as optimization techniques such as Linear and Combinatorial. My future research plans are to build on the foundations of my PhD to further investigate the application of Numerical methods into modern day situations.

➤ **Research Publications**

- **Abstract**  
**H.M.I.U. Herath**, Dr. D.M. Samarathunga, MULTI-OBJECTIVE FUZZY LINEAR PROGRAMMING IN AGRICULTURAL PRODUCTION PLANNING, *Research Congress 2015*, Postgraduate Institute of Science, Volume 2, October 2015.
- **Full paper**  
**H.M.I.U. Herath**, Dr. D.M. Samarathunga, MULTI-OBJECTIVE FUZZY LINEAR PROGRAMMING IN AGRICULTURAL PRODUCTION PLANNING, *International Journal of Scientific & Technology Research (IJSTR)*, Volume 4, Issue 10, October 2015, ISSN 2277-8616.

➤ **Conferences attended**

“Manufacturing and Industrial Engineering Symposium” in Sri Lanka – **MIES**, Colombo, Sri Lanka, October 22, 2016.

**ACADEMIC DISTINCTIONS, AWARDS, SCHOLARSHIPS, PRIZES, MEDALS**

▪ **Awards**

Awarded by the University award for **academic excellence** (2015).

Received an **achievement award** for good results in G.C.E. Ordinary Level Examination (2006).

Received an **achievement award** for good results in G.C.E. Advanced Level Examination (2009).

▪ **Scholarships**

**Eramudugolla Dunuwila scholarship** for **academic excellence** presented by Alumni Association of the University of Peradeniya, Sri Lanka – Colombo Chapter.

▪ **Prizes**

Won prizes for **General Proficiency** in 1996 and 1997.

Received prizes for **Mathematics** in 1996 and 2006.

Received a Certificate of Merit for **All Island inter school Table Tennis Team Championship** under 18 organized by Sri Lanka Schools Table Tennis Association in 2003.

**WORKING EXPERIENCE**

➤ **Probationary Lecturer**, Department of Mathematics, University of Peradeniya. (2016 February to present)

➤ **Temporary Lecturer**, Department of Mathematics, University of Peradeniya. (2016 January to February)

➤ **Temporary Tutor**, Department of Mathematics, University of Peradeniya. (2015 January to December)

Course titles:

- MT 402 - Measure Theory (3 Credits)
- MT 307 - Complex Analysis I (2 Credits)
- MT 312 - Numerical Analysis II (3 Credits)

- MT 204 – Mathematical Methods (3 Credits)
- MT 206 – Mathematical Modelling (3 credits)
- MT 100 – Mathematics for Biological Sciences (2 Credits)
- MT 103 - Differential Equations (2 Credits)

Course responsibilities:

- Organize tutorial discussions.
- Provide guidance to students experiencing difficulties in the course.
- Mark term papers and student tutorial participations.
- Assist academic staff with organizing and delivering their teaching material to students.
- Organize lecture notes under the supervision of senior academic staff.
- Delivering lectures to undergraduate students.
- Make term papers and grading.

### **PERSONAL SKILLS**

- Build up communication abilities and leadership skills.
- Developed handling responsibilities.
- Possess a fine written and oral communication in English with interpretation and presentation.
- Computer skills.
  - Microsoft Office package.
  - Application software packages (MATLAB, Lingo, Spreadsheet, COMSOL).

### **EXTRA-CURRICULAR ACTIVITIES**

- Active member of the Mathematical society of University of Peradeniya.
- Worked as a member of the organizing committee of a series of quiz competitions of the Mathematical society.
- Participated and contributed for various social events as a university student.

### **PROFESSIONAL MEMBERSHIPS**

- Member of the Mathematical Society of Faculty of Science, University of Peradeniya.

**NON RELATED REFEREES**

Prof. W.B. Daundasekara  
Head,  
Department of Mathematics,  
Faculty of Science,  
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I hereby declare, to the best of my knowledge that the information provided above is true and accurate.

H.M.I.U. Herath

11/11/2017