



**Department of Statistics & Computer Science
Faculty of Science / University of Peradeniya**



Dr. Ruwan D. Nawarathna

B.Sc. (Perad.), M.Sc., Ph.D. (North Texas, USA)

Senior Lecturer

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Higher Education Qualifications

🎓 **PhD**

University of North Texas - USA
(2013)

🎓 **MSc**

University of North Texas - USA
(2011)

🎓 **BSc**

University of Peradeniya - Sri Lanka
(2005)

Awards, Scholarships, Memberships & Fellowships



Member of Phi Kappa Phi Honor Society



Member of Alpha Chi Honor Society



UNT scholarship from University of North Texas (2009-2012)



Texas public education grant (TPEG) (2009-2011)



General academic scholarship from University of North Texas (2008-2010)



University award for academic excellence from University of Peradeniya (2005)

Positions Held



Senior Lecturer, Department of Statistics and Computer Science, UoP - (Sept 2014 – Date)



Co-coordinator, M.Sc. Programme in Computer Science, PGIS,UoP - (May 2016-Date)



Assistant Secretary of the University of Peradeniya Science Teachers' Association (UP-STA)- (May 2016 – July 2019)



Researcher, Multimedia Information Group, University of North Texas- (Aug 2008 to Aug 2014)







Head of the Department of Statistics and Computer Science, Faculty of Science- (April 2019 - Date)



Secretary, BoS in Statistics & Computer Science, Postgraduate Institute of Science- (April 2017 - Date)





My Teachings

-  CS315: Design and Analysis of Algorithms
-  CS401: Artificial Intelligence
-  CS409: Neural Networks
-  RA2202: Medical Image Processing II (Faculty of Allied Health Sciences)

Research Interests (Research Fields/ Projects)

Deep Learning and Machine Learning
Computer Vision and Image Processing
Natural Language Processing

Ongoing Research and Projects

-  **A step towards well-informed public: creating health awareness through social media analytics**
-  **Sri Lanka Crime Investigation Decision Support System (SL-CIDSS) - A Comprehensive crime data storage and analysis software (Phase II)**
-  **Intelligent Transportation through the Integration of IoT : Commercialization of Cargo Monitoring and Theft Prevention Platform**
Funded by AHEAD/RA3/ICE/PDN/SCI
-  **Advanced Food Recognition System**
Funded by QBits Lab, CodeGen International

Key Publications



Neurocomputing - (2014)

Abnormal Image Detection in Colonoscopy Videos using a Filter Bank and Local Binary patterns.



Computer Methods and Programs in Biomedicine - (2013)

SAPPHIRE: A toolkit for building efficient stream programs for medical video analysis

Conferences



Nothing to show under this subheading !!!

My Publications

Please goto the website.

<https://sci.pdn.ac.lk/scs/staff/Ruwan-Nawarathna>