

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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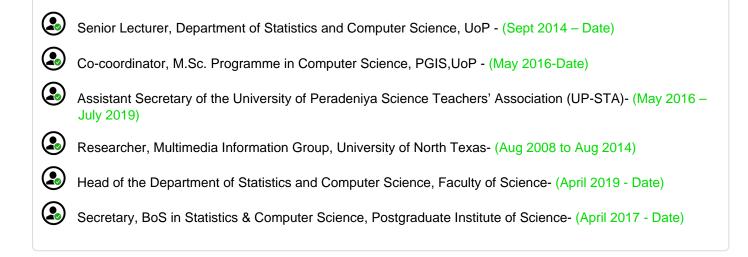
Higher Education Qualifications

📚 PhD	📚 MSc	😂 BSc	
University of North Texas - USA (2013)	University of North Texas - USA (2011)	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)
 Iniversity award for academic excellence from University of Peradeniya (2005)

Positions Held



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

9	A step towards well-informed public: creating health awareness through social media analytics
9	Sri Lanka Crime Investigation Decision Support System (SL-CIDSS) - A Comprehensive crime data storage and analysis software (Phase II)
9	Intelligent Transportation through the Integration of IoT : Commercialization of Cargo Monitoring and Theft Prevention Platform
	Funded by AHEAD/RA3/ICE/PDN/SCI
9	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