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)

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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)

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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)

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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

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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

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