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



Prof. Roshan D. Yapa

B.Sc. (SJP), M.Sc. (CMB), D.Eng. (Hiroshima, Japan)

Professor in Statistics & Computer Science

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Higher Education Qualifications

PhD

Graduate School of Engineering, Hiroshima University - Japan
(2008)

MSc

University of Colombo School of Computing (UCSC) - Sri Lanka
(2005)

BSc

University of Sri Jayewadenepura - Sri Lanka
(2001)

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Awards, Scholarships, Memberships & Fellowships

- Member, Institute of Applied Statistics, Sri Lanka
- Full Scholarship for the Second International Conference on Industrial and Information Systems (ICIIS-2007) towards the registration fees for the conference
- Japanese Government (MONBUKAGAKUSHO) Scholarship for Postgraduate Research Studies in 2005.
- ADB Scholarship for M.Sc. studies in Computer Science at University of Colombo, School of Computing in 2002.

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Positions Held

- Visiting Fellow: School of Computing, Engineering and Mathematics, Western Sydney University, Australia - (2015 - 2016)
- Director, Science Industry Interaction Cell, Faculty of Science, University of Peradeniya - (2011-2013 & 2016-todate)
- Head, Department of Statistics & Computer Science- (2013-2015)
- Secretary, Board of Study in Statistics & Computer Science, PGIS- (2009-2012)
- Member, Board of Study in Statistics & Computer Science, PGIS- (2009-2015 & 2016-todate)
- Senior Student Councilor- (2009-2011)
- Senior Treasurer, Statistics Circle, University of Peradeniya (2011/2012, 2012/2013) Senior Treasurer, Buddhist Brotherhood Society, Faculty of Science, University of Peradeniya - (2009/2010, 2010/2011, 2011/2012)
- Senior Treasurer, Statistics Circle, University of Peradeniya - (2011/2012, 2012/2013)
- Editorial Board Member – Institute of Applied Statistics of Sri Lanka - (2012/2013, 2013/2014)
- Assistant Secretary – Institute of Applied Statistics of Sri Lanka - (2011, Dec – to 2012, Dec)
- Executive Committee Member – Institute of Applied Statistics of Sri Lanka - (2011, 2012, 2013)
- Organizing Committee Member & Editorial Board Member – Conference on Sri Lanka Japan Collaborative Research- (2012, 2013, 2014, 2017)
- Local Organizing Committee Member – International Statistics Conference, Sri Lanka- (2011)
- Member – Course Unit Committee, Faculty of Science – University of Peradeniya- (2010/2011)
- Member – Ragging Prevention Committee, Faculty of Science – University of Peradeniya- (2010)
- Member – Audio and Visual Committee, Peradeniya University Research Sessions (PURSE)- (2010, 2011, 2017)
- Member – Organizing Committee, Paradeniya University Research Sessions (PURSE)- (2009)

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My Teachings

Nothing to show under this subheading !!!

Research Interests (Research Fields/ Projects)

Crime Investigation
supporting tools and Crime pattern analysis, Data Science & Big Data
Analytics, Spatial Analysis, Social Network Analysis, Medical Image Processing

Ongoing Research and Projects

SL-CIDSS: Sri Lanka -Crime Investigation Decision Support System

Design, Development and Implementation of decision support system for the Sri Lanka Police.

Development of CAD tool for screening digital mammograms for early detection cancer cells.

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Key Publications

PeerJ Computer Science - (2016)

Fuzzy based binary feature profiling for modus operandi analysis

International Journal of Soft Computing and Engineering - (2012)

SL-SecureNet: Intelligent Policing using Data Mining Techniques

Conferences

Nothing to show under this subheading !!!

My Publications

Please goto the website.

https://sci.pdn.ac.lk/scs/staff/Roshan-Yapa

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