

## RUVAN PATHUM SANATHANA KATHRIARACHCHI

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### SUMMARY

- ✚ *IELTS overall 6.0 (G) band score*
- ✚ *MSc in Information Technology Management (ITM) with Merit*
- ✚ *BSc (Hons) Degree in Computer Networks with First Class*
- ✚ *Obtained IT Essentials Instructor Certification*
- ✚ *Obtained CCNA version 5.0 Instructor Training certification*
- ✚ *International Advanced Diploma in Computer Studies*
- ✚ *International Diploma in Computer Studies*
- ✚ *International Computer Driving License*
- ✚ *Experience as an IT Systems Manager*
- ✚ *More than 18 year experiences in IT and Computer networking environment*
- ✚ *In-depth knowledge and experience in enterprise network systems planning, design, configuration, and management*
- ✚ *Effective network troubleshooting and problem solving skills with software, server, and hardware devices*
- ✚ *Solid skills in desktop applications and other software*
- ✚ *Experience in network security and firewall configuration*
- ✚ *Strong interpersonal communication skills and user support experience*

## EDUCATION

<b>Year</b>	<b>Qualification</b>
2014 - 2012	<b>MSc in Information Technology Management (ITM)</b> UK University of Wolverhampton
2010 – 2012	<b>Bachelor of Science with Honors in Computer Networks</b> UK University of Wolverhampton
2008	<b>International Advanced Diploma in Computer Studies</b> (Equivalent to the second year of the B.sc. Degree in computing & Business Information Systems awarded by the London Metropolitan University and Equivalent to BCS diploma level) UK NCC Education (Pvt.) LTD
2003	<b>International Diploma in Computer Studies</b> (Equivalent to the first year of the B.sc. Degree in computing & Business Information Systems awarded by the London Metropolitan University) UK NCC Education (Pvt.) LTD
2016	<b>Completed Certificate in Teaching in Higer Education (CTHE) programme</b> General Sir John Kotelawala Defence University (KDU)
2015	<b>CCNA version 5.0 Instructor Training</b> Sri Lanka Institute of Information Technology (SLIIT)
2020	<b>Obtained IT Essentials Instructor</b> University of Moratuwa
	<b>Windows 2000 &amp; 2003 Administration certificate</b> IDM computer studies (Pvt) Ltd
	<b>International Computer Driving License</b> IDM computer studies (Pvt) Ltd
	<b>Diploma in Computer Studies</b> IDM computer studies (Pvt) Ltd
	<b>Mobility Fundamentals Series: Wireless Technology and Standards</b> Certification course at Cisco Networking Academy
	<b>Mobility Fundamentals Series: Wireless Router and Clients Configuration</b> Certification course at Cisco Networking Academy

**WORK RELATED EXPERIENCE**

<b>Year</b>	<b>Role and organization</b>
2018 – up to date	Head of Department – Information technology/ Information Systems
2018 – up to date	Senior Lecturer Grd II at General Sir John Kotelawala Defence University (KDU)
2013 – 2018	Lecturer at General Sir John Kotelawala Defence University (KDU)
2012 - 2014	Network Administrator at General Sir John Kotelawala Defence University (KDU)
2012 – 2012/8	IT Systems Manager at IDM Nations campus
2010 - 2012	Network Administrator at IDM Nations campus
2010 - 2011	Tutor and program coordinator
2007 - 2010	Acting tutor and program coordinator
2002 - 2007	Instructor and Shiftleader

**RESEARCH RELATED WORKS**

- ❖ Ranasinghe, G.G.A, Kumarasinghe, K.H.N.K, Somasiri, A.H.M.D, Wehella, R.T, Kathriarachchi, R.P.S(2020) Use of Distance Learning Technologies Efficiently in a Crisis/Pandemic Situation. 13 International Research Conference KDU 2020, October 2020, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka
- ❖ Narasinghe, N, Kathriarachchi, R.P.S, Maduranga, M.W.P (2020) IoT based Health Monitoring and Activity Detection for Elderly Care. 13 International Research Conference KDU 2020, October 2020, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka
- ❖ Thalawattha, T.A.S.T, Rodrigo, P.H.W.K.T.R, Dissanayake, D.M.D.I, Jayasinghe, K.N, Kathriarachchi, R.P.S (2020) A comprehensive overview on fortification of IoT (Internet-of-Things): Recent Advancements and Challenges . 13 International

Research Conference KDU 2020, October 2020, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka

- ❖ Weerasinghe, W.P.H.N, Vidanagama, D.U, Kathriarachchi, R.P.S (2020) Probabilistic model for predicting the probability of no -show in appointments of beauty parlors . 13 International Research Conference KDU 2020, October 2020, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka
- ❖ Senevirathne, L.B.L, Kathriarachchi, R.P.S (2020) IoT Based Learning Enhanced Smart Parking Management System: A Smart City Initiative . 13 International Research Conference KDU 2020, October 2020, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka
- ❖ Abesooriya, M.L, Ramanayake, M, Dissanayake, U, Hashani, K, Kathriarachchi, R.P.S (2020) The internet of things for health care a comprehensive survey for state-of-the-art architecture. 13 International Research Conference KDU 2020, October 2020, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka
- ❖ Ekanayake, N.K, Weerasinghe, H.N, Karunarathne, H.M, Perera, P.L and Kathriarachchi, R.P.S (2020) Secure Online Families: A Study on The Safety of Children within Cyberspace. The Ninth International Conference on Advancement of Development Administration 2020 Social Sciences and Interdisciplinary Studies (The 9th ICADA 2020 SSIS) Theme: "Development toward Asianization in the Digital Era."Bangkok, Thailand.
- ❖ Ekanayake, N.K, Weerasinghe, H.N, Karunarathne, H.M, Perera, P.L and Kathriarachchi, R.P.S (2020) Updated Framework for a Smart, Secure and Convenient Online Banking in Sri Lanka. The Ninth International Conference on Advancement of Development Administration 2020 Social Sciences and Interdisciplinary Studies (The 9th ICADA 2020 SSIS) Theme: "Development toward Asianization in the Digital Era."Bangkok, Thailand.
- ❖ Anuradha, K, Lakshan D.P.M, Kathriarachchi, R.P.S (2020) Identification of Ayurveda Herbaria by Image Processing of Leaf samples. The Ninth International Conference on Advancement of Development Administration 2020 Social Sciences and Interdisciplinary Studies (The 9th ICADA 2020 SSIS) Theme: "Development toward Asianization in the Digital Era." Bangkok, Thailand
- ❖ WPHN Weerasinghe, WWMNSB Ekanayake, EMNK Wijekoon, RPS Kathriarachchi, WAAM Wanniarachchi, WMSRB Wijayarathna (2019) A Comparative Study of Private and Public Sector E-Banking in Sri Lanka: Analysis of Critical Success Factors. 12 International Research Conference KDU 2019, September 2019, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka
- ❖ WAAM Fernando, RPS Kathriarachchi (2019) IoT Based Smart Solution for Waste Collection and Recycle. 12 International Research Conference KDU 2019, September 2019, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka
- ❖ SF Shanaka, RPS Kathriarachchi (2019) Hand Gesture Recognition and Voice Conversation System for Dumb People: Sri Lanka Military. 12 International

Research Conference KDU 2019, September 2019, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka

- ❖ Abeykoon, R.M.K.D.L.B, Udara, T, Ganepola, A.D, Fernando, W.A.A.M, Kathriarachchi, R.P.S, Vidanagama, D.U (2018) Impact of Adoption of Homomorphic Encryption: Security Enhance Guideline for Sri Lankan Military System. Eleventh International Research Conference KDU 2018, September 2018, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka
- ❖ Anjana, K.K.V.S, Kathriarachchi, R.P.S, Kulasekara, D.M.R (2018) Internet of Things based Falls Detection and Heart Attack Detection System for Adults : SMART Wearable. Eleventh International Research Conference KDU 2018, September 2018, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka.
- ❖ Galahitiyawa, V.O, Kathriarachchi, R.P.S (2018) A Review of Mobile Technology for Teaching and Learning Mathematics. Eleventh International Research Conference KDU 2018, September 2018, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka.
- ❖ Halwatura, H.A, Kathriarachchi, R.P.S (2017) An infrastructure service suggestion system for data communication network : Local area network. Tenth International Research Conference KDU 2017, August 2017, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka.
- ❖ Halwatura, H.A, Kathriarachchi, R.P.S (2016) Mental Attitude of Ransomware among BYOD users: Awareness Framework in Sri Lanka. Ninth International Research Conference KDU 2016, 08-09 Sep 2016, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka.
- ❖ Mithrasena, A.H, Senaviratne, S.J, Kathriarachchi, R.P.S (2016) Low cost mobile embedded hybrid solution for help blind to see: the development of i can see. Ninth International Research Conference KDU 2016, 08-09 Sep 2016, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka.
- ❖ Kathriarachchi, R.P.S (2016) Internet of Everything: Unlock the Potential fear of Sri Lankan Government Sectors. Ninth International Research Conference KDU 2016, 08-09 Sep 2016, General Sir John Kotelawala Defence University. Rathmalana , Sri Lanka.
- ❖ Weerasinghe, L.D,Hettige, B, Kathriarachchi, R.P.S (2016) ITray: Multi-agent Solution for LAN Based File Sharing. Ninth International Research Conference KDU 2016, 08-09 Sep 2016, General Sir John Kotelawala Defence University. Rathmalana, Sri Lanka.
- ❖ K Chandrasiri, K, Kathriarachchi, R.P.S , Wanniarachchi, A (2016) Class room management system for effective teaching and learning environment. Ninth International Research Conference KDU 2016, 08-09 Sep 2016, General Sir John Kotelawala Defence University. Rathmalana, Sri Lanka.
- ❖ Kathriarachchi, R.P.S (2015) Smart Entrance Tracking Using Artificial Neural Network Technology: A Meta-Analysis on universities in Sri Lanka. ICADA National Institute of Development Administration, Thailand 2015, 28 – 30 May 2015, National Institute of Development Administration (NAIDA), Bangkok, Thailand.

- ❖ Silva, G.G, Kathriarachchi, R.P.S (2015) Developing a web based model for tailor management system. ICADA National Institute of Development Administration, Thailand 2015, 28 – 30 May 2015, National Institute of Development Administration (NAIDA), Bangkok, Thailand.
- ❖ Wijewardena, S, Silva, L.H.S, Jayasuriya, J.A, Gunasekara, A.D.A.I, Kathriarachchi, R.P.S (2015) Automated system to integrate the phases of scientific research methodology. ICADA National Institute of Development Administration, Thailand 2015, 28 – 30 May 2015, National Institute of Development Administration (NAIDA), Bangkok, Thailand.
- ❖ Gunasekara, G.G , Gunasekara, A.D.A.I, Kathriarachchi, R.P.S (2015) A smart vehicle parking management solution. Eighth International conference KDU 2015, 22 - 23 2015, General Sir John Kotelawala Defence University, Rathmalana, Sri Lanka.
- ❖ Kathriarachchi, R.P.S (2013) Towards a Feasible IS/IT Architecture for Business by Using Cloud and Green Computing: Set of Guidelines for Strategic Management. Unpublished Thesis :University of Wolverhampton, 2013

## RESEARCH INTERESTS

- ❖ Internet of Things (IoT)
- ❖ Usable security
- ❖ Sensor Networks
- ❖ Computer Networks and Security
- ❖ Cloud computing
- ❖ Hospital Information System (HIS)

## AWARDS AND ACHIEVEMENTS

Year	Award
2019	Advanced Level instructor excellence CISCO Networking academy
2018	Star performer CISCO Networking academy
2017	Star performer CISCO Networking academy
2017	Curriculum specialist CISCO Networking academy

2016	Star performer CISCO Networking academy
2014	Advanced Level instructor excellence CISCO Networking academy
2014	MSc in ITM Merit award UK - UoW
2012	BSc in Computer Network 1 <sup>st</sup> Class UK - UoW
2012	BSc in Computer Network Batch top UK - UoW
2008	IADCS Regional Higher Achiever UK - NCC Education
2008	IADCS Roll of Honour Award UK - NCC Education

### REFEREE

Mr. Adrian Priest FHEA MBCS CITP MInstLM  
Mathematics and Computer Science  
FSE UCU Representative  
Staff Wellbeing Committee Representative  
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University of Wolverhampton,  
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