

RATHNAYAKE MUDIYANSELAGE MANJULA PRADEEP



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@ResearchGate https://www.researchgate.net/profile/Rmm_Pradeep

@Google Scholar <https://scholar.google.com/citations?user=G1GzrEgAAAAJ&hl=en>

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EDUCATION

General Sir John Kothalawala Defence University

Reading for Ph.D. (Supervision under Snr. Prof. NTS Wijesekera, University of Moratuwa)

Since 2013

Research : "Determination of Stakeholder Role in HydroGIS Model Development Framework for Urban Flood Management"

University of Moratuwa, Sri Lanka

M.Sc (Major Component Research)

2012

Research : "Tool Development for Dynamic GIS Application for Watershed Management : Case study of the Thimbirigasyaya ward of the Colombo Municipal Area"

University of Ireland

B.Sc. (Hons) In MIS

2007

1st Class Honours , 2nd in order of Merit

National Institute of Business Management, Sri Lanka

Diploma in Computer Systems Design

1997

Australian Computer Society

Qualified in All Examinations

1997

K/Taxila Central College – Horana, Sri Lanka

GCE (A/L) –Bio Sciences

1993

TRAININGS

Certificate in Student Councillor's Skills Development

2018

Staff Development Centre, General Sir John Kothalawala Defence University

Certification of Teaching in Higher Education

2018

Staff Development Centre, General Sir John Kothalawala Defence University

Indian Institute of Science – Bengaluru, India

Monsoon School on Urban Flood

2015

Postgraduate Institute of Science - University of Peradeniya, Sri Lanka

Advanced GIS and Applications Certificate

2009

University of Moratuwa , Sri Lanka

Training Program on GIS and Terrain Models for Advances Spatial Analysis

2008

Military College of Telecommunication Engineering - Mhow, India

Automated Data Processing (SAP)

2007

University of Moratuwa, Sri Lanka

Introduction to Geographic Information System for Military Resource Planning and Management

2006

Sri Lanka Military Academy

6 Months Officer Cadet Training

1999

AWARDS

Best Performer - Certification of Teaching in Higher Education 2017/2018, General Sir John Kothalawala Defence University, Sri Lanka

Best research paper of National Conference on Geoinformatics Application -2008 conducted by Arthur C Clarke Institute for Modern Technologies (ACCIIMT), Sri Lanka

S Kumar's Medal for the Best Project - Automated Data Processing (SAP) 2007, Military College of Telecommunication Engineering - Mhow, India

The World's Third place for system analysis and design subject in Australian Computer Society examinations – 1997

PUBLICATIONS AND PAPERS

- Development of Customized Tools for GIS Modeling to Incorporate Flexible Decision Making*
RMM Pradeep and NTS Wijesekera
'Engineer', Journal of the Institution of Engineers of Sri Lanka, Vol. XXXXI 2008
- Development of a GIS Tool to Capture Changing Land Allotment Parameters for Urban Runoff Computation*
RMM Pradeep and NTS Wijesekera
16th ERU Symposium: Faculty of Engineering, University of Moratuwa, Sri Lanka 2010
- GIS Tool to Mitigate Urban Flash Floods Through Capturing Land Allotment Modifications and Incorporating Conceptual Detention Pit*
RMM Pradeep and NTS Wijesekera
ITRU Symposium, University of Moratuwa, Sri Lanka 2012
- Selecting a Usability Evaluation User Group – A Case Study the Development of a Hydro-GIS Tool Aiming Urban Flood Mitigation*
RMM Pradeep and NTS Wijesekera
CERIS 2012, University of Moratuwa, Sri Lanka 2012
- Development of Security Stamp for Desktop Spatial Data Modification in Unrestricted Access Platform*
RMM Pradeep and NTS Wijesekera
IRC 2015, Sir John Kotelawala Defence University, Sri Lanka 2015
- Modification of User Friendliness in to a HydroGIS Tool*
RMM Pradeep and NTS Wijesekera
IRC 2015, Sir John Kotelawala Defence University, Sri Lanka 2015
- HydroGIS Tool Structure: Neogeography Application Model*
RMM Pradeep and NTS Wijesekera
IRC 2016, Sir John Kotelawala Defence University, Sri Lanka 2016
- Predictive cum Adaptive Systems Development Methodology for HydroGIS Tool Development*
RMM Pradeep and NTS Wijesekera
IRC 2017, Sir John Kotelawala Defence University, Sri Lanka 2017
- Software for complex process automation and stakeholder relationship: State-of-art in HydroGIS tool for Urban Flood Management*
RMM Pradeep and NTS Wijesekera
IRC 2018, Sir John Kotelawala Defence University, Sri Lanka 2018
- Automating Urban Hydrology Models: What Hydrologists expect?*
RMM Pradeep and NTS Wijesekera
IRC 2019, Sir John Kotelawala Defence University, Sri Lanka 2019
- Journal Publication – Accepted and under review**
- Incorporating Stakeholder Concerns in Land Information Systems for Urban Flood Management*
RMM Pradeep and NTS Wijesekera
Array, Publication of Elsevier via ScienceDirect 2020

RESEARCH SUPERVISION PUBLICATION

<i>Application of Client Server Architecture for Automate Vehicle Allocation in Military Domain</i> RMSB Rathnayake, AMCK Gunathilaka, RMM Pradeep IRC 2015, Sir John Kotelawala Defence University, Sri Lanka	2015
<i>Kryptext- A Secure Communication Tool for Intelligence Operations</i> HMT Paranagama, AR Ranwalage, KADKS Athukorala, DWHI De Silva, RMM Pradeep IRC 2016, Sir John Kotelawala Defence University, Sri Lanka	2016

TEACHING AREA**General Sir John Kothalawala Defence University**

System Analysis and Design
 Geographic Information System
 Software Process
 Software Modelling
 IT Risk Management
 Project Management
 Operating System
 Requirement Engineering
 Fundamental of Information Technology

EXPERIENCE

General Sir John Kothalawala Defence University Senior Lecturer (Grade II) Since 2018 Training Engineer - Faculty of Computing Since 2015 Lecturer (Probationary) 2015-2018	Since 2015
Directorate of Operations - Sri Lanka Army Information Technology Officer - I	2010 - 2015
Center For Research and Development, Ministry of Defence, Sri Lanka GIS Experts / IT Experts	2007 - 2010
Military Secretary Branch- Sri Lanka Army Information Technology Officer	2004 - 2007
Security Forces Headquarters (Jaffna) – Sri Lanka Army Information Technology Officer	2001-2004
Directorate of Pay and Records – Sri Lanka Army Information Technology Officer	2000-2001
Anti-Malaria Campaign, Sri Lanka Entomological Assistant – A research officer in vector bone disease investigations	1997-1999