10TH INTERNATIONAL RESEARCH CONFERENCE

GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY

“Changing Dynamics in the Global Environment: Challengers and Opportunities”

Programme Book

General Sir John Kotelawala Defence University
Ratmalana 10390
Sri Lanka
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## PROGRAMME GUIDE

### Day 1: 03 August 2017

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### Day 2: 04 August 2017

Oral Presentation Sessions

*Defence and Strategic Studies, Engineering, Built Environment and Spatial Sciences, Computing, Medicine, Basic and Applied Sciences, Allied Health Sciences, Law, Management Social Sciences and Humanities*

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1430-1500 hrs       Refreshments
1500-1630 hrs       Session 4
1630 – 1645 hrs     Announcement of best Oral and Poster presentation awards
INAUGURAL SESSION

Venue: Auditorium – Faculty of Graduate Studies (FGS)

0730 – 0815 hrs  Conference Registration

0830 - 0900 hrs  Inauguration

0900 - 0910 hrs  Welcome Address
JJ Ranasinghe USP psc MSc(DS)Mgt Rear Admiral
Vice Chancellor – General Sir John Kotelawala Defence University

0910 - 0920hrs  Speech of the Chief Guest
Hon. Susil Pemajayantha
Minister – Ministry of Science, Technology and Research

0920 - 0940hrs  Keynote Speech
Vidyajyothi Dr. Bandula Wija
Ambassador - Science Technology and Innovation Sri Lanka
Texas, USA

0940 - 1000hrs  Guest Speech
Prof. Chandra Wickramasinghe
Director - Buckingham Centre for Astrobiology, University of Buckingham

1000 - 1015hrs  Awarding of Honorary Professorships

1015-1025 hrs  Vote of Thanks
Dr. Prasanna Pramadasa
Conference Chair

1025-1035  Group portrait

1035-1100 hrs  Refreshments
PLENARY SESSIONS
DEFENCE AND STRATEGIC STUDIES – I

Theme: Changing Dynamics in the Global Environment: Challenges and Opportunities

Venue: Auditorium, Faculty of Graduate Studies

Chairperson

Professor Shantha Hennayake
Senior Professor, Department of Geography,
University of Peradeniya

1115-1120hrs	Introduction of the Chair
1120-1130hrs Preliminary Remarks and Introduction of
Presenters by the Chair

1130 -1145hrs Strengthening Regional Maritime Cooperation in the Indian Ocean: The Role of Australia-Sri Lanka Bilateral Relations
Dr Mary Ann Palma-Robles
Honorary Senior Fellow, University of Wollongong
Australia

1145-1200hrs The Establishment of Defence Science and Technology in Sri Lanka
Professor Martin Renilson
President, The Royal Institution of Naval Architects
Australian Division

1200-1215hrs Changing Dynamics in the Global Environment: The Story of Pakistan
Major General Muhammad Shamrez Salik, HI (M)
Director General, Institute for Strategic Studies, Research and Analysis,
National Defence University, Pakistan

1215-1230hrs The Human Element in Autonomous Shipping
Professor Margareta Lutzhoft
Professor of Nautical Operations,
Western Norway University of Applied Sciences, Norway

1230-1250hrs Question & Answer Session
1250-1300hrs Summing up by the Session Chair
1300-1400hrs Lunch

DEFENCE AND STRATEGIC STUDIES –II

Theme: Changing Dynamics in the Global Environment: Challenges and Opportunities

Venue: Auditorium, Faculty of Graduate Studies

Chairperson

Mr HMGS Palihakkara
Former Foreign Secretary and Former Governor of the Northern Province
1400 -1405hrs Introduction of the Chair
1405 -1415hrs Preliminary Remarks and Introduction of Presenters by the Chair

1415-1430hrs *Malaysia’s Role in Peacebuilding in Southern Philippines and its Impact on the Region*
Major General Dato’ Abdul Rahim bin Hj. Mohd Yusuff (Retired)
First Holder of the Leadership Chair, Leadership Chair Office, National Defence University, Malaysia

1430-1445hrs *Changing Dynamics in the Maritime Domain: Special Emphasis on the Indian Ocean*
Rear Admiral William C. McQuilkin (Retired)
Former Director, U.S. Navy Strategy and Policy Division, U.S. Navy, USA

1445-1500hrs *Changing Dynamics in the Global Environment: Challenges and Opportunities faced by Bangladesh*
Major General A K M Abdur Rahman NDC, psc
Directorate General, Bangladesh Institute of International and Strategic Studies, Bangladesh

1500-1515hrs *New World Order Trends in Nuclear Politics: Challenges and Opportunities*
Professor Feroz Hassan Khan, BG (Retired)
Lecturer, Naval Postgraduate School, USA

1515- 1530hrs Question & Answer Session

1530-1555hrs Refreshments

1555-1605hrs Introduction of Presenters by the Chair

1605-1620hrs *Changing Dynamics in the Global Environment: Challenges and Opportunities in the Chinese Perspective*
Senior Colonel Cai Jinsong
Deputy Director of Teaching and Interpretation Division of the College of Defense Studies of National Defense University, People’s Liberation Army, China

1620-1635hrs *Changing Dynamics in the Global Environment: The Story of Maldives*
Brigadier General Wais Waheed psc
Commanding Officer, College of Defence and Security Studies, Maldives National Defence Force, Maldives

1635-1650hrs *Dynamics in the Korean Peninsula and its Implications for Global Security*
Dr M Mayilvaganan
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ENGINEERING

Theme: Facing the dynamics in the global environment through engineering solution

Venue: FOE 6-1 – 6th floor Faculty of Engineering

Chairperson: Prof AKW Jayawardane
Vice Chancellor, University of Moratuwa

1400 - 1425 hrs
Floating Hydrocarbon Storage and Bunker Facility
Prof Ang Kok Keng
Department of Civil and Environmental Engineering, National University of Singapore

1425 - 1450 hrs
Prof Rohan Munasinghe
Department of Electronic and Telecommunication Engineering, Faculty of Engineering, University of Moratuwa

1450 – 1515 hrs
Effects of Appendages on Underwater Vehicles
Prof. Dev Ranmuthugala
Defence Science and Technology Group, University of Tasmania, Australia

1515 - 1540 hrs
Human-centred Design of Ships
Prof. Margereta Lutzhof
Professor of Nautical Studies, Deputy Director NCPS Seafaring, University of Tasmania, Australia

1540 – 1600 hrs
Summing up by the Chair
1600 – 1630 hrs
Refreshments
1630 – 1730 hrs
Evaluation of Poster Presentations
BUILT ENVIRONMENT AND SPATIAL SCIENCES

Theme: Global space, Local place – Protocols for a new world order

Venue: LT01 - 3rd floor Faculty of Medicine

Chairperson
Archt Prof Chitra Weddikkara
Immediate Past President, Sri Lanka Institute of Architects. Professor - Department of Building Economics, University of Moratuwa

1400 - 1425 hrs
Prototype Ubiquitous Visualization System based on Augmented Reality with Mobile Platform
Prof Qingyun Du
Professor of GIS and Cartography

1425 - 1450 hrs
Modelling the relationship between spatial characteristics of urban land uses and household travel patterns (A Case study of Colombo DS Division
Prof Lalith De Silva
Dean, Faculty of Architecture

1450 - 1515 hrs
Role of professionals in dealing with road traffic accidents
Dr AGH Jayalath Edirisinghe
Senior Lecturer, Department of Civil Engineering, University of Peradeniya

1515 –1540 hrs
Emergency Mapping of Meethotamulla Garbage Dump Collapse
Mr SPJ Dampegama
Add. Surveyor General (Field)

1540 – 1600 hrs
Summing up by the Chair

1600 – 1630 hrs
Refreshments

1630 – 1730 hrs
Evaluation of Poster Presentations
COMPUTING

Theme: Resolutions for Challenges & Opportunities of Global Dynamics through Digital Innovations

Venue: LT03 - 3rd floor Faculty of Medicine

Chairperson
Prof. Dileeka Dias
Dean – Faculty of Graduate Studies, University of Moratuwa

1400 - 1425 hrs
ICT to IOT How to Keep Up With Fast Moving Information Technologies
Prof Jey Rajasekera
Vice President International University of Japan

1425 - 1450 hrs
Online learning: common challenges for instructors in large online courses: strategies to mitigate student and instructor frustration
Dr Lalith Liyanage
CEO, Lanka Logistics & Technologies, Ministry of Defence

1450 - 1515 hrs
Bitcoins are here to stay: Are we ready?
Dr Chamath Keppatiyagama
Senior Lecturer, University of Colombo School of Computing

1515 – 1540 hrs
Analytics and AI: The Good, the Bad and the Ugly
Dr Srinath Perera
Vice President of Research, WSO2

1540 – 1600 hrs
Summing up by the Chair

1600 – 1630 hrs
Refreshments

1630 – 1730 hrs
Evaluation of Poster Presentations
MEDICINE

Theme: Changing Global Environment; Challenges and Opportunities in Medicine

Venue: Mini-lecture Theatre, 4th Floor, Faculty of Medicine

Co-Chairpersons

Senior Prof. MH Rezvi Sheriff
Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University

Senior Prof. TR Weerasooriya
Head of the Department, Department of Anatomy, Faculty of Medicine, General Sir John Kotelawala Defence University

1400 - 1425 hrs
Purpose Driven Education

Dr Bandula Wijay
Ambassador, Science Technology and Innovation Sri Lanka

1425 - 1450 hrs
The Future Of Resolving The Human Elephant Conflict (Hec) Through Human Elephant Co-Existence (Hec)

Prof Sarath Kotagama
Professor Emeritus, Department of Zoology and Environment Sciences, University of Colombo

1450 - 1515 hrs
Emerging Infectious Diseases: The neglected dimension of Global Security

Prof Malik Peiris
School of Public Health, The Unisity of Hong Kong

1515 – 1540 hrs
Wars between states and global health: The SDG the international community chose to ignore

Prof Saroj Jayasinghe
Department of Clinical Medicine, Faculty of Medicine, University of Colombo

1540 – 1600 hrs
Summing up by the Chair

1600 – 1630 hrs
Refreshments

1630 – 1730 hrs
Evaluation of Poster Presentations
BASIC AND APPLIED SCIENCES

Theme: Changing dynamics in the global environment: Challenges and Opportunities for basic and applied science research

Venue: SDC Seminar room – 5th floor Faculty of medicine

Chairperson
Prof Ajit M Abeysekera
Emeritus Professor, Department of Chemistry, University of Sri Jayawardenepura.

1400 - 1425 hrs
Processing speech in noise - A powerful window into the human brain

Prof Ramesh Rajan
Department of Physiology, Monash University, Australia

1425 - 1450 hrs
Elimination of lymphatic Filariasis in Sri Lanka:
Advances in diagnosis and management of surveillance

Prof Mirani Weerasooriya
Senior Professor of Parasitology, Head of the Department, Department of Parasitology, Faculty of Medicine, University of Ruhuna

1450 - 1515 hrs
Air quality monitoring potential of Lichens

Prof Chandrani Wijeyaratne
Emeritus Professor of Botany, University of Sri Jayawardenepura, Nugegoda

1515 – 1540 hrs
Drug discovery from natural products in Sri Lanka, a way forward

Prof Mahinda Wickramarathne
Department of Pharmacy, Faculty of Allied Health Sciences, University of Peradeniya, Peradeniya, Sri Lanka

1540 – 1600 hrs
Summing up by the Chair

1600 – 1630 hrs
Refreshments

1630 – 1730 hrs
Evaluation of Poster Presentations
ALLIED HEALTH SCIENCES

Theme: Allied Health in the global environment: Challenges and Opportunities

Venue: LL1 – 4th floor Faculty of Medicine

Chairperson
Snr Prof. Narada Warnasuriya
Professor of pediatrics, Faculty of Medicine, KDU

1400 - 1425 hrs
Nursing in global environment: Challenges and opportunities
Dr Rasika Jayasekara
School of Nursing and Midwifery, University of South Australia, Australia

1425 - 1450 hrs
Genomics to Molecular Diagnostics to Personalized Medicine
Prof Ranil Dassanayake
Department of chemistry, University of Colombo, Sri Lanka

1450 - 1515 hrs
Does dose matter?
AssociateProfessor Mark Mcentee
Faculty of Health Sciences, The University of Sydney, Australia

1515 – 1540 hrs
Challenges and way forward of sports and exercise medicine in Sri Lanka
Dr Lakshman Edirisinghe
Director General, Institute of Sport Medicine, Ministry of Sport

1540 – 1600 hrs
Summing up by the Chair

1600 – 1630 hrs
Refreshments

1630 – 1730 hrs
Evaluation of Poster Presentations
LAW

Theme: Law and justice in the global environment: Challenges and Responses

Venue: Main Auditorium, Academic Building

Chairperson
Prof. Camena Gunaratne
Senior Lecturer, Department of Legal Studies, Faculty of Humanities and Social Sciences, Open University of Sri Lanka, Nawala.

1400 - 1420 hrs
Law and Justice in the Global Environment; challenges and responses
Mr Palitha Fernando, PC
Former Attorney General

1420 - 1440 hrs
Administration of Justice with special Reference to Human Rights Protection: Challenges and Prospects
Mrs Wasantha Seneviratne
Senior Lecturer, Head of the Department (Public and International Law), Faculty of Law, University of Colombo,

1440 – 1500 hrs
Climate Change and Ocean Governance: Consequences of Sea-Level Change
Prof AHA Soons
Utrecht University, Achter Sint Pieter 200, 3512 HT UTRECHT, Netherlands

1500 – 1520 hrs
Opening Access to Research and Data: empowering research communities
Associate Professor Leanne Wiseman
Griffith University, Australia

1520 - 1540
International Law & Justice: Some Preliminary Thoughts on a Strained Relationship
Dr Kalana Senarathne
Department of Law, University of Peradeniya.

1540 – 1600 hrs
Summing up by the Chair

1600 – 1630 hrs
Refreshments

1630 – 1730 hrs
Evaluation of Poster Presentations
MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Theme: changing Dynamics in the Global Environment: Challenges and Opportunities in Management, Social Sciences and Humanities

Venue: Mini Auditorium, Academic Building

Chairperson
Prof. PSM Gunarathna
Department of Finance, Faculty of Management and Finance,
University of Colombo, Colombo 03

1400 - 1425 hrs
Global Production Dynamics and Rise of Asia
Prof Sirimal Abeyratne
Professor in Economics, University of Colombo

1425 - 1450 hrs
Changing Dynamics in Business Environment
Dr WA Wijewardhna
President, BMS,,Wellawatta,Sri Lanka

1450 - 1515 hrs
Strategic Value of the Belt and Road Initiative from the Maritime Transportation and Logistics
Prof Paul Tae-Woo Lee
School of Business IT and Logistics, Leader, The One Belt One Road Research Lab, RMIT University, Australia

1515 – 1540 hrs
Changing Dynamics In Language And Communication: English Cultural Westoxication and Confused Nations
Dr Asantha Aththanayake
Senior Lecturer, English Language Teaching Unit, University of Colombo

1540 – 1600 hrs
Summing up by the Chair

1600 – 1630 hrs
Refreshments

1630 – 1730 hrs
Evaluation of Poster Presentations
ORAL PRESENTATIONS
DEFENCE AND STRATEGIC STUDIES

Technical Session I: Contemporary Security Challenges in the Indian Ocean Region: Analyzing Future Prospects

Venue: Auditorium, Faculty of Graduate Studies

Chairperson: Rear Admiral William C. McQuilkin (Retired)
Former Director, U.S Navy Strategy and Policy Division, U.S Navy, USA

0830-0835 hrs
Introductions of the Chair

0835-0840 hrs
Preliminary Remarks by the Chair

0840-0850 hrs
Changing Dynamics in the Indian Ocean: Geo-strategic Competition and Challenges for Sri Lanka
JSK Colombage

0855-0905 hrs
Strategy to overcome Maritime Blindness: The Sri Lankan Case
R Joseph

0905-0915 hrs
Establishing a Maritime Domain Awareness Centre in Sri Lanka
SACR Kulatunga

0915-0925 hrs
Strategic Importance of Blue Economy to Sri Lanka and Challenges
D Ranasignhe

0925-0935 hrs
Bottom Trawling in Palk Bay Area: Human And Environmental Implications
S Wijesundara and D Amunugama

0935-0955 hrs
Question and Answer Session

0955-1000 hrs
Summing up by the Chair

1000-1030 hrs
Refreshments
DEFENCE AND STRATEGIC STUDIES

Technical Session II – Parallel Session I: *Growing Importance of Security Issues in the Strategic Power Play*

*Venue: Auditorium, Faculty of Graduate Studies*

Chairperson: Dr Mary Ann Palma-Robles  
*Honorary Senior Fellow, University of Wollongong, Australia*

1030-1035 hrs  Introduction of the Chair

1035-1040 hrs  Preliminary Remarks by the Chair

1040-1050 hrs  Securitisation of National Borders: A Case Study of Sri Lankan Border Control Measures  
A Lankadeva

1050-1100 hrs  Political Polarisation of the Indo-Lanka Fishery Dispute and Its Comprehensive Security Implication  
M Adams

DPH Senanayake

1110-1120 hrs  Transboundary Implications of India and Nepal Air Pollution Policy Implementation and South Asian Association for Regional Cooperation  
PLS Dias

1120-1130 hrs  Sri Lanka between Geopolitical Interests of China and India  
A Seneviratne, W Nalawatta and S Weeraratne

1130-1155 hrs  Question and Answer Session

1155-1200 hrs  Summing up by the Chair

1200-1300 hrs  Lunch
DEFENCE AND STRATEGIC STUDIES

Technical Session II – Parallel Session II: *Sri Lanka’s Military: Some Case Studies*
Venue: *Faculty of Graduate Studies*

Chairperson: Emeritus Professor W I Siriweera
*Former Chairman, University Grants Commission, Sri Lanka*

1030-1035 hrs  Introduction of the Chair

1035-1040 hrs  Preliminary Remarks by the Chair

1040-1050 hrs  The Post Deployment Reintegration and Mental Health Issues of the Sri Lankan Army Soldiers
JKT Udeshika

1050-1100 hrs  Survival of Kandy Before Three European Nations
WS Eellepola, D Attapattu and P Amarasinghe

1100-1110 hrs  Entrepreneurial Aspirations And Expectations of Sri Lanka Military Veterans
MHSB Perera, WMAGHA Premarathna and L Welamedage

1110-1120 hrs  Re-Emergence of Tamil Tiger Cells in Sri Lanka: A Comparative Analysis to Terrorism Perspective
PSS Sanjeewa

1120-1130 hrs  Impact of GIS Modelling In Military Operational Planning
KRP Rowel, KTRB Kodippili and HWW Ranasinghe

1130-1155 hrs  Question and Answer Session

1155-1200 hrs  Summing up by the Chair

1200-1300 hrs  Lunch
DEFENCE AND STRATEGIC STUDIES

Technical Session III: Strategic Planning to Safeguard National Security
Venue: Auditorium, Faculty of Graduate Studies

Chairperson: Prof Feroz Hassan Khan, BG (Retired)
Lecturer, Naval Postgraduate School, USA

1300-1305 hrs  Introduction of the Chair
1305-1310 hrs  Preliminary Remarks by the Chair
1310-1320 hrs  Dynamics in Cyber Security: Challenges to Sri Lanka’s National Security
               B Senaratne
1325-1335 hrs  Transition of Accordance: The Next Step of India - Sri Lanka Economic Strategy
               S Senarath and SE Jayasekera
1340-1350 hrs  Air Power: A Response Option to Counter Challenges of Sub Conventional Warfare Dynamics
               N Wanasinghe
1355-1425 hrs  Question and Answer Session
1425-1430 hrs  Summing up by the Chair
1430-1500 hrs  Refreshments
DEFENCE AND STRATEGIC STUDIES

Technical Session IV: *Security of Small States: Challenges and Prospects*
Venue: Auditorium, Faculty of Graduate Studies

Chairperson: Major General A K M Abdur Rahman NDC, psc
*Directorate General, Bangladesh Institute of International and Strategic Studies, Bangladesh*

1500-1505 hrs  Introduction of the Chair
1505-1510 hrs  Preliminary Remarks by the Chair

1510-1520 hrs  The Influence of Global Islam Radicalisation to Sri Lanka
LCR Jayasuriya

1520-1530 hrs  Regional Hegemony and Small State Survival: Re-examining Ceylon’s
Foreign Policy Under Premier D.S. Senanayake
S De Silva

1530-1540 hrs  Hot Pursuit on Land: Execution versus Legitimacy
KERL Fernando, R Fernando and L Fernando

1540-1550hrs  21st Century Great Game and Its Actors: India’s interests in Central Asia
and Its Repercussions in South Asia
P Amarasinghe, D Attapttu and P Joshi

1550-1600 hrs  Security Forces Involvement in Nation Building: Ethics and Social
Responsibility
AA Rasheed

1600-1625 hrs  Question and Answer Session
1625-1630 hrs  Summing up by the Chair
1630 – 1645 hrs  Announcement of best Oral and Poster awards
ENGINEERING

Session I: Electrical & Electronics Engineering

Venue: Conference Hall, 1st floor, Faculty of Engineering

Chairperson
Prof. JR Lucas,
Senior Professor in Electrical Engineering, University of Moratuwa

0830 – 0835 hrs Introduction of the Chair

0835 – 0840 hrs Preliminary Remarks by the Chair

0840 – 0850 hrs Designing a Remote Monitoring System for Improving the Reliability of Distribution Feeders in Sri Lanka
SLD De Silva, WGS De Soyza, IADW Bandara, RCA Rathnathilaka and SB Bogahawatte

0850 – 0900 hrs Single Carrier Communication System on Open Source Embedded Platform
JV Varatharajah and RP Thilakumara

0900 – 0910 hrs Time Series Modelling approach for forecasting Electricity Demand in Sri Lanka
JLLS Fernando, JRNA Gunawardana, KAIT Perera, MLDM Perera, NAG Shashikala, DDM Jayasundara and RMKT Rathnayaka

0910 – 0920 hrs Fabrication and evaluation of a Sri Lankan graphite based rechargeable cell
WADSS Weerasinghe, KS Perera, and K.P. Vidanapathirana

0920 – 0930 hrs A Novel Approach to Implement a Closed Loop Controlled Power Converter in Thermal Vacuum Tubes
KAD Dharshana and SB Wijekoon

0930 – 0955 hrs Question and Answer Session

0955 – 1005 hrs Summing up by the Chair

1005 – 1030 hrs Refreshments
**ENGINEERING**

Session II: **Bio Medical Engineering**

*Venue: Conference Hall, 1st floor, Faculty of Engineering*

**Chairperson**

Dr. James B. Phillips,  
University College London, UK

1030 – 1035 hrs  
Introduction of the Chair

1035 – 1040 hrs  
Preliminary Remarks by the Chair

1040 - 1050 hrs  
**Autonomous mobile robot for disease detection and individual health monitoring of cattle in intensive dairy farms**  
LR Vitharana and KVMS Somarathne

1050 - 1100 hrs  
**Smart Hospital Ward Management System with mobile robot**  
WARDBOT: An efficient management solution for hospital ward  
DMHT Dasanayake, PS Gunasekara, NS Dabare, HD Wickramasinghe,  
KLKTD Sandharena, WSP Fernando and JDPR Jayasekara

1100 - 1110 hrs  
**Ayurvedic Pulse Diagnostic Techniques to Develop Modern Non-invasive Disease Diagnostic Devices**  
BRMGWUB Balagalla

1110 – 1120 hrs  
**Expanding the quality of living with paraplegia: Robotic exoskeleton technology**  
Rosharn Amarasinghe

1120 – 1130 hrs  
**Motion Analysis of Badminton Forehand Smash Shot using Low Frame Rate Cameras**  
WKDT Wickramasinghe, GT Nanaweera, YCK Geeganage, KMGP Premadasa and WLPK Wijesinghe

1130 – 1155 hrs  
Question and Answer Session

1155 – 1205 hrs  
Summing up by the Chair

1205 – 1300 hrs  
Lunch
ENGINEERING

Session III: Aeronautical Engineering/Mechanical Engineering

Venue: Conference Hall, 1st floor, Faculty of Engineering

Chairperson: Dr Nirosh Jayaweera, University of Moratuwa

1300 – 1305 hrs  Introduction of the Chair
1305 – 1310 hrs  Preliminary Remarks by the Chair
1310 - 1320 hrs  Analysis of Test Section Flow Conditions of Low Speed Wind Tunnel
                  JI Abeygoonewardene, DR Caseer and K Wickramasinghe
11320 - 1330 hrs  KF Implemented Flying Wing
                  WDT Fernando
1330 - 1340 hrs  An Outdoor Smart Robotic Garbage Bin to Assist a Methodical Garbage
                  Collection, Storage and Disposal Process
                  MSR Wijenayake, NRW Gunarathna, PB Henadeera and KHT Devinka
1340 – 1350 hrs  Development of a Productive Work Cell through integration of Work Study
                  and Lean Tools - A Case study on a Leading Tire Manufacturer in Sri Lanka
                  HAD Perera, HRN Silva and KA Weniton
1350 – 1420 hrs  Question and Answer Session
1420 – 1430 hrs  Summing up by the Chair
1430 – 1500 hrs  Refreshments
ENGINEERING

Session IV: Marine Engineering

Venue: Conference Hall, 1st floor, Faculty of Engineering

Chairperson
Prof Martin Renilson,
President, Royal Institution of Naval Architects, Australian Division

1500 – 1505 hrs
Introduction of the Chair

1505 – 1510 hrs
Preliminary Remarks by the Chair

1510 - 1520 hrs
Probabilistic Approach to Assessment of Damage Survivability of Cargo Ships
WK Wimalsiri

1520 - 1530 hrs
Safe Operation of Tugs within Close Proximity to the Shoulders of Larger Ships
N Jayarathne, D Ranmuthugala and Z Leong

11530 - 1540 hrs
Trending of Vibration Spectrum in Marine Diesel Engine, Marine Gear Box and Variations with Rotational Speeds
DMPM Dasanayaka and PABAR Perera

1540 – 1550 hrs
Preliminary Concept Design of an Affordable Coastal Patrol Craft for Sri Lanka Navy
N Rajapaksha, K Athukorala and S Shrilal

1550 – 1600 hrs
Reducing Fossil Fuel Consumption in Naval Ships: A study on economical and eco-friendly power alternatives for naval ships during peacetime
SMICA Samaranayake

1610 – 1625 hrs
Question and Answer Session

1625 – 1635 hrs
Summing up by the Chair

1635 – 1645 hrs
Announcement of best Oral and Poster awards
ENGINEERING

Parallel Session I: Civil Engineering

Venue: FOE 6-1, 6th floor, Faculty of Engineering

Chairperson
Prof. Ang Kok Keng,
Department of Civil and Environmental Engineering,
National University of Singapore

0830 – 0835 hrs  Introduction of the Chair
0835 – 0840 hrs  Preliminary Remarks by the Chair
0840 - 0850 hrs  Behavior of Reinforced Full Scale Embankment on Hard Ground in Phitsanulok, Thailand
Sailesh Shrestha, Dennes T Bergado and Takenori Hino

0850 - 0900 hrs  Response of a Floating Curved Pontoon Bridge Subjected to Tide Induced Water Surface Variation: An Analytical Approach
J Dai, BK Lim and KK Ang

0900 - 0910 hrs  Numerical Simulation of Debonding of CFRP Strengthened Steel Beam
DDTK Kulathunga and DS Arahchiage

0910 – 0920 hrs  Determination of Existing Relationship among Grindability, Chemical Composition and Particle Size of Raw Material Mix at Aruwakkalu Limestone
BSM Mendis, THGS Jayathunga, HH Madurapperuma, LPS Rohitha, PGR Dharmarathna and PBA Hemalal

0920 – 0930 hrs  The Impact of Aligning Three or More Openings in a Dwelling; An Engineering Perception using Fluid Dynamics
MS Chandra, K Nandapala and KAB Weerasinghe

0930 – 0955 hrs  Question and Answer Session
0955 – 1000 hrs  Summing up by the Chair
1000 – 1030 hrs  Refreshments
ENGINEERING

Parallel Session II: Civil Engineering

Venue: FOE 6-1, 6th floor, Faculty of Engineering

Chairperson: Prof Ashoka Perera, University of Moratuwa,

1030 – 1035 hrs Introduction of the Chair

1035 – 1040 hrs Preliminary Remarks by the Chair

1040 - 1050 hrs Develop a Model for Predict Activity Based Waste Generation in order to Manage On-site Construction Waste
YAMK Yapa and MB Samarakoon

1050 - 1100 hrs Use of Ozonation for Degradation of Glyphosate in Potable Water of Ckdu Prevalent Areas
PP Jayasekara, S Gunaratna, B Gunawardana, M Jayaweera, J Manatunge and K Zoysa

1100 - 1110 hrs Locally Available Low-Cost Packing Media for Anaerobic Filters to Treat Landfill Leachate
HPPM Pathirana and MB Samarakoon

1110 – 1120 hrs Sea Level Variability in the West Coast of Sri Lanka
KW Indika, GWA Rohan Fernando, EMS Wijerathne, M Ranagalage and S Hettiarachchi

1120 – 1145 hrs Question and Answer Session

1145 – 1200 hrs Summing up by the Chair

1200 – 1300 hrs Lunch
BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session I: Architecture

Venue: LT01 3rd Floor, Faculty of Medicine

Chairperson: Dr. Gamini Weerasinghe
Head of Department, Department of Architecture, Faculty of Architecture, University of Moratuwa

0830 – 0835 hrs Introduction of the Chair

0835 – 0840 hrs Preliminary Remarks by the Chair

0840 – 0855 hrs Urban Waterfront: challenges and Opportunities in Urban development With reference to Colombo City
NMRAT Nawaratne, MLNH Premarathna and RGN Lakmali

0855 – 0910 hrs Measuring Photovoltaic Potential in the Urban Environment
T Mendis, KNK Pathirana and M Rajapaksha

0910 – 0925 hrs An Assessment of collective image of urban scape in the context of rapid development with reference to Maharagama
PDJD Premaratne, AH Senaviratne, DM Warakagoda, PALVK Perera, MLNH Premarathna and RGN Lakmali

0925 – 0940 hrs Profile of risk factors, Chronic Non-communicable disease status and purpose of using walking tracks among users in Kotte are, Sri Lanka
LK Hirimuthugoda, P Karunapema, HP Madarasinghe, SPK Wathudura and DWK Gayantha

0940 – 0955 hrs Question and Answer Session

0955 – 1005 hrs Summing up by the Chair

1005 – 1030 hrs Refreshments
BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session II: Quantity Surveying

Venue: LT01 3rd Floor, Faculty of Medicine

Chairperson: Dr. Yasangika Sandanayake
Head of Department, Department of Building Economics, Faculty of Architecture, University of Moratuwa

1030 – 1035 hrs Introduction of the Chair

1035 – 1040 hrs Preliminary Remarks by the Chair

1040 - 1055 hrs Investigating The Use Of GIS In Finding Suppliers For Construction Industry In A Cost-Effective Manner
ST Sirisena, CPL MGD Weerasinghe and AR Rupasinghe

1055 - 1110 hrs Preliminary review on BIM applications in Sri Lankan Construction Industry
BLSH Perera, DMS Jayasuriya and U Gunaratne

1110 - 1125 hrs Preliminary Analysis Of Impact Of Foreign Labor Participation On The Construction Industry In Sri Lanka In Comparison With Secondary Education Leavers
M Elvitigala, T Hettiarachchi and R Amaratunga

1125 – 1140 hrs Impact of the cost factor on implementation of Green Building Concept in Sri Lanka construction industry
KCW Liyanage, WN Kawmudi, GGSS Galadeniya and PL Perera

1140 – 1155 hrs Question and Answer Session

1155 – 1205 hrs Summing up by the Chair

1205 – 1300 hrs Lunch
BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session III: Spatial Sciences

Venue: LT01 3rd Floor, Faculty of Medicine

Chairperson: Dr. H.M.I Prasanna
Dean, Faculty of Geomatics, Sabaragamuwa University of Sri Lanka, Belihuloya, Sri Lanka

1300 – 1305 hrs Introduction of the Chair

1305 – 1310 hrs Preliminary Remarks by the Chair

1310 - 1325 hrs Estimation of Sea Level Rise in Colombo with Satellite Altimetry Data
MDEK Gunathilaka, WKKS Kannangara and SAHM Samarapperuma

11325 - 1340 hrs Acquire high resolution aerial images for railway mapping by using quadcopter
GDI Sanjeewa, LRK Kahandagamage and STS De Silva

1340 - 1355 hrs Preparation of landslide hazard zonation map in upcountry railway line using GIS & Remote Sensing
AKR Sameera, HUK Dilanjani and M Ranagalage

1355 – 1410 hrs Automatic Data Extraction of Survey Departmental Hardcopy Documents
KLP Hemantha, S Sivanantha, JAS Jayakody and ACPK Siriwadhana

1410 – 1425 hrs Question and Answer Session

1425 – 1435 hrs Summing up by the Chair

1435 – 1500 hrs Refreshments
BUILT ENVIRONMENT AND SPATIAL SCIENCES

Session IV: Multidisciplinary

Venue: LT01 3rd Floor, Faculty of Medicine

Chairperson: Prof. Qingyun Du
Professor of GIS and Cartography, School of Resource and Environmental Science, Wuhan University, China.

1500 – 1505 hrs
Introduction of the Chair

1505 – 1510 hrs
Preliminary Remarks by the Chair

1510 – 1525 hrs
A GIS based system for disaster risk analysis, prevention and mitigation
TS De Silva, LKR Kahandagamage, RP De Silva and NDK Dayawansa

1525 – 1540 hrs
Automated Vehicle Number Plate Recognition system for Sri Lanka using Digital Image Processing techniques in MATLAB software
KAIM Jayathilaka, TMHSB Tennakoon and AMAR Geethalankara

1540 – 1555 hrs
Impact of Attitudes of Students on Professionalism: A Case Study of the Students of Faculty of Built Environment and Spatial Sciences (FBESS) at Kotelawala Defence University (KDU)
WAPS Kumara, SD Jayasooriya, KNK Pathirana and M Rajapaksha

1555 – 1610 hrs
A Study on Geomorphological & Land use Changes in the lower part of Kelaniya River Basin
NI Jayasena

1610 – 1625 hrs
Question and Answer Session

1625 – 1635 hrs
Summing up by the Chair

1635 – 1645 hrs
Announcement of best Oral and Poster awards
COMPUTING

Session I: Artificial Intelligence for Digital Innovations

Venue: LT 03, 3rd Floor, Faculty of Medicine

Chairperson: Dr. Ananda Edirisuriya, Head – Department of CS, University of Sri Jayawardanapura

0830 – 0835 hrs Introduction of the Chair
0835 – 0840 hrs Preliminary Remarks by the Chair
0840 - 0850 hrs Sinhala Speech to Text Library using Sphinx
  WTVL Gunaratne, TK Ramasinghe, DGJB Wimalaratne, BMSH Balasuriya and BHettige
0850 - 0900 hrs KeyXtract Twitter Model - An Essential Keywords Extraction Model
  T Weerasooriya, N Perera and SR Liyanage
0900 - 0910 hrs Chatbots: The Next Generation in Computer Interfacing – A Review
  MS Walgama and B Hettige
0910 – 0920 hrs Intelligent News Reader
  KLTN Perera, PPNV Kumara and B Hettige
0920 – 0930 hrs Web-Based Expert System for Personalized Psychotherapeutic Counselling
  S Eshwarage and ADAI Gunesekara
0930 – 0940 hrs A Comparison of Classical Statistical & Machine Learning Techniques in Binary Classification
  KVU Perera, SD Viswakula
0940 – 1005 hrs Question and Answer Session
1005 – 1015 hrs Summing up by the Chair
1015 – 1030 hrs Refreshments
# COMPUTING

**Session II: Computing in Social Aspects**

*Venue: LT 03, 3rd Floor, Faculty of Medicine*

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<th>Time</th>
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<td><strong>Introduction of the Chair</strong></td>
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<td>1035 – 1040 hrs</td>
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<td>1040 - 1050 hrs</td>
<td><strong>Predictive cum Adaptive Systems Development Methodology for HydroGIS Tool Development</strong>&lt;br&gt; <em>RMM Pradeep and NTS Wijesekara</em></td>
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<td>1050 - 1100 hrs</td>
<td><strong>Machine Learning Optimization for Colour Image Reconstruction from Thermal/Infrared Images</strong>&lt;br&gt; <em>WTVL Gunarathne and DMR Kulasekara</em></td>
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<td>1100 - 1110 hrs</td>
<td><strong>A Machine Learning Approach to Classify Sinhala Songs Based On User Ratings</strong>&lt;br&gt; <em>HMT Paranagama, MKA Ariyaratne and SCMDS Sirisuriya</em></td>
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<td>1110 – 1120 hrs</td>
<td><strong>Research Directions for Network Based Video Streaming with Emphasis for Live Screen Mirroring</strong>&lt;br&gt; <em>SC Gajanayaka, DMR Kulasekera and ADAI Gunasekera</em></td>
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<td>1120 – 1130 hrs</td>
<td><strong>Review Paper on Home Automation With Human Behavior</strong>&lt;br&gt; <em>MLNT Chandrasekara and WPJ Premarathne</em></td>
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<td>1130 – 1140 hrs</td>
<td><strong>Communicable disease surveillance and response system</strong>&lt;br&gt; <em>AAA Chinthaka, LRK Kahandagamage, DGS Amaranath and STS De Silva</em></td>
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<td>1140 – 1205 hrs</td>
<td><strong>Question and Answer Session</strong></td>
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<td><strong>Lunch</strong></td>
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**Chairperson** | **JR Rajasekera**<br>Vice President, International University of Japan
COMPUTING

Session III: Digital Solutions for Global Challenges

Venue: LT03, 3rd Floor, Faculty of Medicine

Chairperson
Dr. Damith Karunarathne
Head – Department of Communication & Media Technologies, UCSC

1300 – 1305 hrs Introduction of the Chair

1305 – 1310 hrs Preliminary Remarks by the Chair

1310 – 1320 hrs Digital Certificate Management System for eHealth and mHealth Practitioners in Sri Lanka to Secure Medical Data
TMKK Jinasena, RGN. Meegama and RB Marasinghe

11320 – 1330 hrs Building digitally inclusive differently abled community in Sri Lanka: a Information and Communication Technology (ICT) policy framework
N Wedasinghe, N Sirisoma and APR Wicramarachchi

1330 – 1340 hrs An Image Processing Application for Diagnosing Acute Lymphoblastic Leukemia (ALL)
JKC Shyalika, PPNV Kumara and D Kottahachchi

1340 – 1350 hrs Conceptual Approach Towards Stateful Computation Offloading in Resource Constraint Android Devices
P Vekneswaran and NR Dissanayake

1350 – 1400 hrs Towards Email-based Workflow Automation
HD Rajapakse and NR Dissanayake

1400 – 1410 hrs Digital Certificate Management System for eHealth and mHealth Practitioners in Sri Lanka to Secure Medical Data
TMKK Jinasena, RGN. Meegama and RB Marasinghe

1410 – 1420 hrs Automated Garbage Collection Alert System
UVA De silva, LD Ranatunge, KA Weeraman, GSA De silva and ADAI Gunasekara

1420 – 1440 hrs Question and Answer Session

1440 – 1445 hrs Summing up by the Chair

1445 – 1500 hrs Refreshments
COMPUTING

Session IV: Emergence of Data Communication Management

Venue: LT03, 3rd Floor, Faculty of Medicine

Chairperson: Dr. Ruwan Wickramarachchi
HOD Industrial Management Department, Faculty of Science, University of Kalaniya

1500 – 1505 hrs  Introduction of the Chair
1505 – 1510 hrs  Preliminary Remarks by the Chair
1510 – 1520 hrs  National Forensic DNA Database Management System For Criminal Investigations
    NCD Arambawela, PPNV Kumara, CP Waduge, WI Samaraweera and A Manamperi
1520 – 1530 hrs  Analysis of Systematic Data Mining Approaches for Achieving Competitive Advantage by Monitoring Social Media
    MMF Naja and MII Mohamed
1530 – 1540 hrs  Domestic Services Management System: A Sri Lankan Perspective
    SHYS Wickramaratne and N Wedasinghe
1540 – 1550 hrs  An Online IT Help Desk to Help Students in Learning
    MND Salgado, PU Charuka, KP Bashitha, SC Eshwarage and MKA Ariyaratne
1550 – 1600 hrs  An Infrastructure Service Suggestion System for Data Communication Network: Local area network
    HAHV Halwatura and RPS Kathriarachchi
1600 – 1610 hrs  A Comparison of Delta Communication Technologies and Techniques
    NR Dissanayake and GKA Dias
1610 – 1625 hrs  Question and Answer Session
1625 – 1635 hrs  Summing up by the Chair
1635 – 1645 hrs  Announcement of best Oral and Poster awards
**MEDICINE**

**Session I**

*Venue: Mini-lecture Theatre, 4th Floor, Faculty of Medicine*

**Chairpersons**  
**Snr, Prof. ND Warnasuriya**  
Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University.

**0830 – 0835 hrs**  
Introduction of the Chair

**0835 – 0840 hrs**  
Preliminary Remarks by the Chair

**0840 – 0850 hrs**  
Clinical Audit on Effective Usage of Partogram in Obstetric Unit B of DGH-Kaluthara from 01stof March to 31st of May 2016  
DS Jayaweera

**0850 – 0900 hrs**  
Knowledge and practices on birth preparedness and complication readiness among antenatal mothers; A study from southern province  
L Dasanayaka and SMT Ganewatta

**0900 – 0910 hrs**  
Prevalence and risk factors of selected occupational health problems of teachers working in Biyagama educational division Sri Lanka  
PH Lakmani, MWK Gamage and PV de Silva

**0910 – 0920 hrs**  
Non-communicable disease (NCD) burden in women during menopause transition and early post-menopausal period presenting for NCD screening in a NCD clinic in Sri Lanka  
PM Atapattu, N Sivanantham, HAR Ranawaka, ADA Fernando, S Wasalathanthri and WGRC Wathugala

**0920 – 0930 hrs**  
Validity of Sri Lankan Diabetes Risk Score (SLDRISK) as a diabetes-screening tool for real life diabetes screening in a high-risk population  
P Katulanda, G Katulanda, GR Constantine, PC Karunananda, PK Amarasinghe, MMR Nishadi, APM Weerasinghe, IA Maharambe, SP Anthonis, C Senevirathna, R Kumarage, T Gangodawila, DR Samaratunge, SS Madawaranarachchi and BAVS Bamunuarachchi

**0930 – 0940 hrs**  
Research in to history: Forensic aspect of the death of King Seethawaka Rajasinghe – Circumstances and cause of death  
NDNA Mendis, RARP Susantha and YMKA Yapa

**0940 – 0950 hrs**  
Question and Answer Session

**0950 – 1000 hrs**  
Summing up by the Chair

**1000 – 1030 hrs**  
Refreshments
MEDICINE

Session II

Venue: Mini-lecture Theatre, 4th Floor, Faculty of Medicine

Chairpersons

Snr. Prof. Rohini Fernandopulle
Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University

1030 – 1035 hrs  Introduction of the Chair
1035 – 1040 hrs  Preliminary Remarks by the Chair
1040 – 1050 hrs  Dental fluorosis, drinking water and participant perspectives: A cross-sectional study among students of a national school in Anuradhapura
   WIP Jayasundara, JGKD Jayawardena, MJF Jazla, BMS Karunathilaka, JACN Karunathilaka, DMR Kaushalya and D Rathish
1050 – 1100 hrs  Serum Calcium & Bone specific Alkaline Phosphatse in Lumbar Disc Herniation and Degeneration
   ND Withanage, S Perera, H Peiris and LV Athiththan
1100 – 1110 hrs  A study to compare the prevalence of anaemia in Chronic Kidney Disease of uncertain etiology (CKD-u) patients in Girandurukotte and Wilgamuwa with Chronic Kidney Disease (CKD) patients in Kandy
   WBNT Fernando, RMPM Rathnayake, HTK Abeysundara, Z Badurdeen and N Nanayakkara
1110 – 1120 hrs  Urinary biomarkers KIM-1 and NGAL may predict Chronic Kidney Disease of uncertain etiology (CKDu) among Sugarcane farmers in Sri Lanka
   EMDV Ekanayake, KSM Abdul, WAKG Thokshila, MAGD Samanmali, SS Jayasinghe, EPS Chandana, C Jayasumana, SH Siribaddana and PMCS De Silva
1120 – 1130 hrs  Health seeking behaviour and non-communicable diseases: Men over 40 years of age in Colombo district
   APHS Jayarathne and IS Samarakoon
1130 – 1150 hrs  Question and Answer Session
1150 – 1200 hrs  Summing up by the Chair
1200 – 1300 hrs  Lunch
MEDICINE

Session III

Venue: Mini-lecture Theatre, 4th Floor, Faculty of Medicine

Chairpersons

Snr. Prof. SR De Alwis Seneviratne
Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University

1300 – 1305 hrs
Introduction of the Chair

1305 – 1310 hrs
Preliminary Remarks by the Chair

1310 – 1320 hrs
Factors contributing to the stress in school environment among adolescents in colombo district sri lanka
LS Kaththiriarachchi, DC Hewage, SW Wimalasekera, R Rajan and ALS Mendis

1320 – 1330 hrs
Knowledge and attitude on child psychiatric disorders in Sri Lankan parents attended to outpatient department of a tertiary care center
D Rupasinghe, N Liyanage, MFSP Seneviratne and THR Samanmalee

1330 – 1340 hrs
Evaluation of Structure and Content of Forensic Psychiatric Reports (FPR) at Forensic Psychiatry Unit, National Institute of Mental Health (NIMH), Sri Lanka
CTK Fernando, GU Rambukwella, LNP Samarsinghe, MP Kumbukage, TDJB Kamalrathne and NFJ Fernando

1340 – 1350 hrs
An unusual form of complex suicide
SAC Nandasiri, P Senarath and SR Hulathduwa

1350 – 1400 hrs
Knowledge and current practices of breaking bad news among junior doctors in a group of hospitals in Colombo
ANT Weerasinghe, IGPN Weerasinghe, T Vidanagamachchi and D Fernando

1400 – 1420 hrs
Question and Answer Session

1420 – 1430 hrs
Summing up by the Chair

1430 – 1500 hrs
Refreshments
MEDICINE

Session IV:

Venue: Mini-lecture Theatre, 4th Floor, Faculty of Medicine

Chairpersons

Prof. W Abeyewickreme
Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University.

1500 – 1505 hrs
Introduction of the Chair

1505 – 1510 hrs
Preliminary Remarks by the Chair

1510 - 1520 hrs
Antibiotic susceptibility pattern of the S. aureus isolates at a Tertiary Care Hospital
FS Awos, H Abeygoonawardena, HMS Karunaratne, NS Chandrasiri and NP Senanayake

1520 - 1530 hrs
Antifungal sensitivity profile of Fusarium spp. resulting keratitis
LSM Sigera, PI Jayasekera, ULF Shabry and MAI Malkanthi

1530 - 1540 hrs
Inducible Clindamycin Resistance in Staphylococci: Should Clinicians and Microbiologists be Concerned?
FS Sally, H Abeygoonawarden, HMS Karunaratne, NS Chandrasiri and NP Senanayake

1540 – 1550 hrs
Identification Of Peptide Markers For Specific Diagnosis Of Japanese Encephalitis
PD Pushpakumara, JMKC Jeewandara, GN Malavige and CL Goonasekara

1550 – 1600 hrs
Knowledge, Attitude and Practice towards common adult eye disorders among over 40 years patients attending to Medicine and Surgical clinics of the National Hospital-Sri Lanka
MHDM Karunasiri, C Karunarathne and KC Karunasena

1600 – 1610 hrs
Association of bio-impedance analysis and somatotyping among healthy rural male and female populations
RGL Rathnayake, UPK Hettiaratchi and PPR Perera

1610 – 1620 hrs
Question and Answer Session

1620 – 1630 hrs
Summing up by the Chair

1630 – 1645 hrs
Announcement of best Oral and Poster awards
BASIC AND APPLIED SCIENCES

Session I: **Health and Nutrition**

*Venue: SDC Seminar room, 5th Floor, Faculty of Medicine*

**Chairperson**

Professor J Welihinda  
Professor of Biochemistry, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka

0830 – 0835 hrs  Introduction of the Chair

0835 – 0840 hrs  Preliminary Remarks by the Chair

0840 - 0850 hrs  Reporting the in vitro antimicrobial activity of *Lactobacillus plantarum* gp 106 isolated from Sri Lankan green banana  
DMWD Divisekera, JKRR Samarasekera, MI Choudhary, C Hettiarachchi, J Goonerathne and S Gopalakrishnan

0850 - 0900 hrs  Macronutrient intake and nutrition knowledge of endurance swimmers of the civil security department of Sri Lanka  
DMCHB Dissanayaka, KC Gunasekara and S Weerasinghe

0900 - 0910 hrs  Effect of relative strength and skeletal muscle mass percentage on performance of junior swimmers in Colombo district  
K Manawadu, RMPM Rajakaruna

0910 – 0920 hrs  Dietary supplement usage and nutrition knowledge of team sport athletes in selected universities  
WMNS Wijethunga, S Weerasinghe

0920 – 0950 hrs  Question and Answer Session

0950 – 1000 hrs  Summing up by the Chair

1000 – 1030 hrs  Refreshments
BASIC AND APPLIED SCIENCES

Session II: Environmental Sciences

Venue: SDC Seminar room, 5th Floor, Faculty of Medicine

Chairperson: Dr. S Premakumara
Director General, Industrial Technology Institute.

1030 – 1035 hrs  Introduction of the Chair
1035 – 1040 hrs  Preliminary Remarks by the Chair
1040 - 1050 hrs  Influence of water content, ligands and protons on metal release in heavy metal rich soils
V Gunarathne, N Rajakaruna, M Vithanage

1050 - 1100 hrs  Quantification of microorganisms associated with particulate matter within Kandy city
RWK Amarasekara, M Vithanage, P Samaraweera, MM Hettiarachchi and DN Magana-Arachchi

1100 - 1110 hrs  Molecular characterization and phylogenetic analysis of Staphylococcus sp. Found from industrial waste water
WMNH Kumari, CD Wijayarathna, and NV Chandrasekharan

1110 – 1120 hrs  Behavioural changes caused by waterborne acetaminophen exposure in the guppy Poecilia reticulata
HRSC Peiris, SHNP Gunawickrama, and KBS Gunawickrama

1120 – 1130 hrs  Molecular and morphological diversity assessment in flowering related traits of mungbean (Vigna radiata)
DIVW Thilakarathna, NS Kottearachchi, MJMP Kumararathna

1130 – 1145 hrs  Question and Answer Session
1145 – 1200 hrs  Summing up by the Chair
1200 – 1300 hrs  Lunch
BASIC AND APPLIED SCIENCES

Session III: Drug Discovery and Development I

Venue: SDC Seminar room, 5th Floor, Faculty of Medicine

Chairperson: Dr. C L Goonasekara
Head- Biochemistry, Snr Lecturer in Biochemistry, Department of Pre Clinical Sciences, General Sir John Kotelawala Defence University

1300 – 1305 hrs Introduction of the Chair
1305 – 1310 hrs Preliminary Remarks by the Chair
1310 - 1320 hrs Antioxidant activities of soluble phenolic compounds of Sri Lankan rice varieties
HMAJ Herath, KDD Dissanayaka, GAP Chandrasekara
11320 - 1330 hrs Determination of in vitro antimicrobial activity of selected marine sponges found in Sri Lanka
MKGB Dilrukshi, S Hettiarachchi, EMRKB Edirisinghe
1330 - 1340 hrs Optimization of parameters and development of cost effective method for isolation and propagation of umbilical cord blood derived mesenchymal stem cells
D Perera, P Soysa, S Wijerathne and I Khan
1340 – 1350 hrs High antioxidant efficacy of legume phenolics extracted at low temperature
HMAJ Herath, ALF Shifna, DHS Dileka and GAP Chandrasekara
1350 – 1400 hrs Comparing the metabolic activity of stem cells in collagen gels as a potential therapeutic in nerve tissue engineering
L Thanabalasundaram, L Stevanato, J Sinden and JB Phillips
1400 – 1415 hrs Question and Answer Session
1415 – 1425 hrs Summing up by the Chair
1425 – 1500 hrs Refreshments


BASIC AND APPLIED SCIENCES

Session IV: Drug Discovery and Development II

Venue: SDC Seminar room, 5th Floor, Faculty of Medicine

Chairperson: Prof. R Perera
Director, KDU-CARE, General Sir John Kotelawala Defence University

1500 – 1505 hrs
Introduction of the Chair

1505 – 1510 hrs
Preliminary Remarks by the Chair

1510 – 1520 hrs
Progress of mapping QTLs for root traits on chromosome 10 in rice (*Oryza sativa*) using elite rice background

MSF Saliha, DR Gimhani and NS Kottearachchi

1520 – 1530 hrs
Antimicrobial properties of finger millet (*Eleusine coracana*) varieties of Sri Lanka

SA S Jayawardana, JKRR Samarasekera, MI Choudhary, R Maharjan, GHCM Hettiarachchi, J Gooneratne

11530 – 1540 hrs
Anti-oxidant and anti-proliferative activity of Triphala

JWN Yasara and P Soysa

1540 – 1550 hrs
Phytochemical screening and antioxidant activity of water and ethanolic extracts of *Annona muricata* (soursop) fruit

CM Rajapaksha, HC Manawadu

1550 – 1600 hrs
Probiotic potential of exopolysaccharide producing *Lactobacillus plantarum* sp. Isolated from Sri lankan dairies

DU Rajawardana, CM Nanayakkara and IGN Hewajulige

1600 – 1625 hrs
Question and Answer Session

1625 – 1630 hrs
Summing up by the Chair

1630 – 1645 hrs
Announcement of best Oral and Poster awards
ALLIED HEALTH SCIENCES

Session I: Radiography & Radiotherapy

Venue: LL1, 4th Floor, Faculty of Medicine

Chairperson
Dr. Jayantha Balawardena
Head of the Department, Department of Radiography & Radiotherapy,
Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University

0830 – 0835 hrs
Introduction of the Chair

0835 – 0840 hrs
Preliminary Remarks by the Chair

0840 - 0850 hrs
Assessment of Frequency of Errors in Dental Panoramic Radiographs at Dental Hospital, Peradeniya, Sri Lanka
AJSP Nileema, L Thasanthan and DLBO Abayarathna

0850 - 0900 hrs
Knowledge on Breast Cancers amongst females in Katuwawela North, Boralgesamuwa, Sri Lanka
AH Somathilake, CM Hettiarachchi, HS Niroshani and SH Egodage

0900 - 0910 hrs
Radiation dose received to thyroid glands of patients undergoing mammography; a comparison of Cranio Caudal (CC) and Medio Lateral Oblique (MLO) views
GGC Perera, WSS Jayasinghe, WBC Nisansala, DDN Wimalarathna, GLS Galgamuwa and G Senanayake

0910 – 0920 hrs
Patient’s Perceptions and Knowledge Regarding to the Nuclear Imaging Examinations at a Selected Hospital, Sri Lanka
DMPR Dissanayaka, N Jayabhaskar, P Sathyathas and JMC Udugama

0920 – 0930 hrs
A case report of radiotherapy for oesophageal carcinoma patient with implanted permanent pacemaker
JR Cooray, A Ramalingam, M Jeyasuthan and S Shajiththa

0930– 0950 hrs
Question and Answer Session

0950 – 1000 hrs
Summing up by the Chair

1000 – 1030 hrs
Refreshments
ALLIED HEALTH SCIENCES

Session II: Medical Laboratory Sciences

Venue: LL1, 4th Floor, Faculty of Medicine

Chairperson
Snr.Prof.B.M. Rohini Fernandopulle
Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University

1030 – 1035 hrs Introduction of the Chair

1035 – 1040 hrs Preliminary Remarks by the Chair

1040 - 1050 hrs Association between changes in liver transaminases and full blood count among patients with RT-PCR positive dengue and RT-PCR negative other febrile illnesses admitted to Teaching Hospital Peradeniya, Sri Lanka
CK Nandasena, SC Abeyesinghe, SAM Kularathna, U Ralapanawa, RMPM Rathnayake, JAJ Jayasinghe, TN Edussuriya, RPVJ Rajapakse and JMK Jayasekara

1050 - 1100 hrs Effect of Laboratory Culture Media, Encapsulated Layered Double Hydroxides on In-Vitro Pseudomonas aeruginosa Biofilms Growth
GK Wijesinghe, KAA Dilhari, GDB Gayani, S Kamarage and N Kottegoda

1100 - 1110 hrs Prediction of the presence of Microalbuminuria by analysing total urine protein-to-creatinine ratio in diabetic nephropathy patients in District General Hospital, Ampara, Sri Lanka
GGPN Kulasooriya, RMSN Bandara, DVGC Priyadarshani, NDS Arachchige, JMKB Jayasekara, DARK Dayaratna, WAC Karunarathna, RMPM Rathnayake and RMI Ranaweera

1110 – 1120 hrs Bacteraemia at Apeksha Hospital – Maharagama: identifying its prevalence and risk factors to improve health
SLA Lenaduwe, OPA Sandunika, SP Gunasekera, RD Widanagamage and P Dias

1120 – 1130 hrs Association of Hypertension and Renal Impairment with different dietary patterns of apparently healthy individuals in area of Medical Officer of Heath, Dompe, Sri Lanka
HKAS Madubhashini, JASN Jayasinghe, WPP Weerakkodi, DK Sampath, JMKB Jayasekara, A Balasuriya, AMN Ariyaratna, WAC Karunarathna and AAMDDN Amarathunga

1130 - 1140 hrs Correlation between Anaemia and Renal Function among type 2 Diabetes Mellitus patients in General Hospital, Ampara, Sri Lanka
EMDT Edirisinghe, HSN Peiris, JGA Sachinthana, KMGRRS Kariyawasam, JMKB Jayasekara, DARK Dayaratna, WAC Karunarathna, RMPM Rathnayake and RMI Ranaweera
1140 – 1155 hrs  Question and Answer Session  
1155 – 1200 hrs  Summing up by the Chair  
1200 – 1300 hrs  Lunch
ALLIED HEALTH SCIENCES

Session III: Physiotherapy & Occupational Health

Venue: LL1, 4th Floor, Faculty of Medicine

Chairperson: Dr. Chandana Karunathilaka
Faculty of Medicine, General Sir John Kotelawala Defence University

1300 – 1305 hrs
Introduction of the Chair

1305 – 1310 hrs
Preliminary Remarks by the Chair

1310 – 1320 hrs
Determinants of Balance Confidence (BC) and Standing Balance Performance (SBP) in Stroke Survivors with Hemiplegia
MHH Sandaruwan and ADA Fernando

11320 – 1330 hrs
Comparison of Balance Deficiency in Chronic Low Back Pain Patients (CLBPPs) and Healthy Persons (HPs)
APGA Arunodanie and DBDL Samaranayake

1330 – 1340 hrs
Prevalence and related risk factors of recurrent falls among Ambulatory Community Dwelling Elderly in Galle District, Sri Lanka
N Priyadarshani, G Alwis and N Rathnayake

1340 – 1350 hrs
Factors Influencing on quality of Work-Life of The Nurses Working In Teaching Hospital Jaffna, Sri Lanka
WGRMS Nandakumara, D Thabotharan, L Kamalarupan and PAD Coonghe

1350 – 1400 hrs
Awareness of three wheeler drivers on first aid when handling and transporting traumatic victims following road traffic accidents in the Colombo district, Sri Lanka
RMHM Rathnayaka, KGC Lakmal, KWKM Waduge, AN Samaraweera, HMP Herath and HHLK Fernando

1400 – 1410 hrs
Risk factor distribution among people affected with the chronic kidney disease (CKD) in Padaviya, Sri Lanka
KIG Hevawitharana, PLBC Liyanage, ARN Silva, GWGP Kumara, RH Karunarathna, AV Ranasingha, JMKB Jayasekara, PGCL Nanayakkara, KBS Gunawickrama and SHNP Gunawickrama

1410 – 1425 hrs
Question and Answer Session

1425 – 1430 hrs
Summing up by the Chair
1430 – 1500 hrs    Refreshments
ALLIED HEALTH SCIENCES

Session IV: Pharmacy

Venue: LL1, 4th Floor, Faculty of Medicine

Chairperson: Snr Prof. MH Rezvi Sheriff
Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University

1500 – 1505 hrs
Introduction of the Chair

1505 – 1510 hrs
Preliminary Remarks by the Chair

1510 – 1520 hrs
Computational Study of Angiotensin Converting Enzyme and Renin with Phoenicanthusine
Sara Mariyam Abdulla, GAS Premkumar and P Ranasinghe

1520 – 1530 hrs
Factors related to readmission of patients with schizophrenia
KHAD Premadasa, MGS Malkanthi, KDSU Kumarage, HMSP Herath and BSS De Silva

11530 – 1540 hrs
Toxicity studies on aqueous extract of flower and stalk of Aponogeton cryspus in rats
D Hettiarachchi, A Isuru, R. Sarveswaran, WJABN Jayasuriya, H Dissanayake, TS Suresh

1540 – 1550 hrs
Chronic Anti-Inflammatory Effect of Sudarshana Suspension on Adjuvant-Induced Arthritis in Rats
WASS Weerakoon, PK Perera, D Gunasekera and TS Suresh

1550 – 1600 hrs
Risk of diabetes mellitus in Ampara area using a risk prediction model: A case control study
DVGC Priyadarshani, NDS Arachchige, GGPN Kulasooriya, RMSN Bandara, JMKB Jayasekara, DARK Dayarathna

1600 – 1625 hrs
Question and Answer Session

1625 – 1630 hrs
Summing up by the Chair

1630 – 1645 hrs
Announcement of best Oral and Poster awards
ALLIED HEALTH SCIENCES

Parallel Session I: Nursing & Midwifery I

Venue: LL2, 4th Floor, Faculty of Medicine

Chairperson
Dr. Ayendra Balasuriya
Faculty of Medicine, General Sir John Kotelawala Defence University

0830 – 0835 hrs  Introduction of the Chair
0835 – 0840 hrs  Preliminary Remarks by the Chair
0840 - 0850 hrs  Knowledge, Attitudes and Practices towards Childhood Immunization among Mothers Attending Child Welfare Clinics in Medical Officer of Health area, Ratmalana, Sri Lanka
   APGC Prasad, PAPP Panditharathna, RACJK Karunathilake, TMU Thilakarathne, HMSK Wijesiri and N de Silva
0850 - 0900 hrs  Scientometric Mapping of Mental Health Research Publications in India and Sri Lanka
   KS Abu and K Abhayasinghe
0900 - 0910 hrs  Knowledge, Attitudes and Practices (KAP) about Dengue prevention among residents in Rathmalana MOH area
   KMSDK Disanayaka, KANG Kanchana, EGAP Nayanajith, KPDB Samarasinghe, KGG Priyangika and PBV Navaratne
0910 – 0920 hrs  A review of sickle cell disease in Nigeria and the way forward
   EO Shobowale
0920 – 0930 hrs  Post-Traumatic Stress Symptoms among Adolescents, who were exposed To Ammunition Depot Blast; Salawa - Sri Lanka
   HHS Kaushalya, TT Ponnamperuma and B Wickramaarachchi
0930 - 0940 hrs  Knowledge and Depression literacy among G.C.E. Advanced Level students in Kalutara Educational Zone
   KMON Perera, KKGJ Lakmal, BS Chathurika, RKIS Jayawardhana, MPKW Abhayasinghe, K Jayaweera and A Sumathipala
0940– 0955 hrs  Question and Answer Session
0955 – 1000 hrs  Summing up by the Chair
1005 – 1030 hrs  Refreshments
ALLIED HEALTH SCIENCES

Parallel Session II: Nursing & Midwifery II

Venue: LL2, 4th Floor, Faculty of Medicine

Chairperson: Dr. Namal Wijesinghe
Head, Clinical Sciences

1030 – 1035 hrs Introduction of the Chair
1035 – 1040 hrs Preliminary Remarks by the Chair
1040 - 1050 hrs Knowledge and attitudes of antenatal mothers regarding neonatal care in a selected Medical Officer of Health area, Sri Lanka
RADS Udayangi, TR Nilagarathna, SARS Subasinghe, HSMSK Wijesiri, and A Balasuriya

1050 - 1100 hrs Domestic Violence Exposure of Married Women in Isurumuniya Phm Area in Anuradhapura, Sri Lanka
KSS Kaushalya, TT Ponnamperuma and T Abegunasekara

1100 - 1110 hrs Patterns of healthcare seeking behaviour during bouts of Upper Respiratory Tract Illnesses among preschool children in Kurunegala Municipal Council Area, Sri Lanka
RDUP Sugathapala, A Balasuriya, ST Kudagammana and TMSUB Tennakoon

1110 – 1120 hrs Impact of socio-demographic status on quality of life of pre and postmenopausal women in Galle, Sri Lanka
N Rathnayake, J Lenora, G Alwis, S Lekamwasam

1120 – 1130 hrs Depressive symptoms among Cancer Patients Undergoing Chemotherapy at Teaching Hospital, Kandy, Sri Lanka
JAD Iroshika Kumari, S Rathnayake

1130 – 1155 hrs Question and Answer Session
1155 – 1205 hrs Summing up by the Chair
1205 – 1300 hrs Lunch
LAW

Session I: Rethinking Intellectual Property Rights in the modern global context

Venue: Main Auditorium, Academic Building

Chairperson: Associate Professor Leanne Wiseman
Griffith Law School, Nathan Campus, Griffith University, Australia

0830 – 0835 hrs Introduction of the Chair
0835 – 0840 hrs Preliminary Remarks by the Chair
0840 - 0850 hrs Does Sri Lanka need a system for registering Geographical Inactions?
Dr Althaf Marsoof
0850 - 0900 hrs Greening Patent Law: The Sri Lankan Perspectives
LM De Silva
0900 - 0910 hrs Evolution of the digital Copyright industry: Are we ready to face dynamic changes?
DSR Jayawardena and MAN Chandratilaka
BMKS Balasuriya
0910 – 0920 hrs Challenges relating to cross border flows of data
Chamindi Ekanayake
0920 – 0930 hrs Reconciling Breeder’s rights and Farmer’s rights for food security in Sri Lankan context; Comparison with India
MDM Cooray
0930 – 0950 hrs Question and Answer Session
0950 – 1000 hrs Summing up by the Chair
1000 – 1030 hrs Refreshments
LAW

Session II: Conservation of Natural Resources, Sustainable Development and the Role of Law

Venue: Main Auditorium, Academic Building

Chairperson  Mr. Priyantha Navana
Deputy Solicitor General, Attorney General’s Department

1015 – 1030 hrs  Introduction of the Chair
1035 – 1040 hrs  Preliminary Remarks by the Chair
1040 – 1050 hrs  Turn to your Duties to retain your Rights: Critical analysis on Right to Water

Major D P Aluthge

1050 – 1100 hrs  State Responsibility and Legal Framework of Sri Lanka in food safety

MKG Jeewanthi

1100 – 1110 hrs  Triumvirate of Transboundary Movements of Hazardous Wastes and Developing Countries

BKM Jayasekera and AA Edirisinghe

1110 -1120 hrs  Throwback on the Process of Registration of Condominium Properties

BC Eliyadura

1120 – 1145 hrs  Question and Answer Session
1145 – 1200 hrs  Summing up by the Chair
1200 – 1300 hrs  Lunch
LAW

Session III: Emerging Trends in Corporate and Commercial Law: Challenges and Responses

Venue: Main Auditorium, Academic building

Chairperson: Dr. Chamila Thalagala

1300 -1305 hrs  Introduction of the Chair
1305 -1310 hrs  Preliminary Remarks by the Chair
1310 – 1320 hrs  Beware if you are being a Cheap Charlie: Used Goods and Merchantable Quality
                 Y Wijerathna
1320 – 1330 hrs  Financial Transactions Reporting: An Overview of the Sri Lankan Law
                 JADC Jayasinghe
1330 – 1340 hrs  Tax Amnesties: The Case of Sticks and Carrots
                 M Dissanayake, S Madushani and K Weerakkody
1340 – 1350 hrs  Reforms to the International Trade Regime for the Protection of Marine Living Resources
                 K.M. Chetana Rukshani Karunatilaka
1350 – 1415 hrs  Question and Answer Session
1415 – 1430 hrs  Summing up by the Chair
1430 – 1500 hrs  Refreshments
LAW

Session IV: Justice, Constitutional Reforms and Rights of the People

Venue: Main Auditorium, Academic building

Chairperson  Professor A.H.A. Soons
Institute of Public International Law, Utrecht University, Netherland.

1500 – 1505 hrs  Introduction of the Chair

1505 – 1510 hrs  Preliminary Remarks by the Chair

1510 – 1520 hrs  Causation and the liability for non-disclosure of risk in Sri Lanka; vindicating rights of patients by lightening principle of causation
KNT Dayarathna

1520 – 1520 hrs  Sri Lankan legal version of migrant workers’ rights: how it is and how it shall be
NKK Mudalige

1530 – 1540 hrs  Health Information Privacy and Right to Information: A case study of India and Sri Lanka
UM Sapukotana

1540 – 1550 hrs  The Office on Missing Persons (Establishment, Administration and Discharge of Functions) Act, No.14 of 2016; A way forward
IK Munasinghe

1550 – 1600 hrs  The Implementation of Constitutional Ouster Clauses in Sri Lanka: A Sisyphean Task?
N Gunawardena

1600 - 1620 hrs  Question and Answer Session
1620 - 1630 hrs  Summing up by the Chair
1630 – 1645 hrs  Announcement of best Oral and Poster awards
MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Session I: Changing Dynamics in Public Policy Concerns/ Studies

*Venue: conference room - FDSS, Academic Building*

**Chairperson**  
Dr. MG Kularathne

0830 – 0835 hrs  
Introduction of the Chair

0835 – 0840 hrs  
Preliminary Remarks by the Chair

0840 - 0855 hrs  
The factors that affected to the demand for private universities education  
AMI Gunarathna

0855 - 0910 hrs  
Globalisation and Town Identity  
Haresh Narayan Pandey

0910 - 0925 hrs  
Effects of Anthropogenic Activities on Natural Environment in Kotmale Catchment (Special reference to Malhewa, Ramboda and Wedamulla GN Divisions)  
GOG Madhushani and HMP Herath

0925 – 0940 hrs  
Exploring the Awareness of Waste Disposal and Suggesting Future Suggestions for managing waste: A Case Study in the Faculty of Agriculture, University of Ruhuna  
SSM Peramunagama, PC Sandarenu and GC Samaraweera

0940 – 0955 hrs  
Question and Answer Session

0955 – 1000 hrs  
Summing up by the Chair

1000 – 1030 hrs  
Refreshments
MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Session II: Changing Dynamics in Critical Social Studies

Venue: conference room - FDSS, Academic Building

Chairperson: Rev. Prof. W. Wimalarathana

1030 – 1035 hrs Introduction of the Chair
1035 – 1040 hrs Preliminary Remarks by the Chair
1040 - 1055 hrs Presentation and correlates of moral injury as a response to Past transgression
             KAC Karunarathna
1055 - 1110 hrs Exclusion within Exclusion: Gender Stereotyping of Vocational Training in Prison
            WAS Thilanka
1110 - 1125 hrs Key actors in Agenda- Setting on LGBTQ (Lesbian, Gay, Bisexual, Trans and Queer) rights: positive and negative role
            KLSS Jayaratne
1125 – 1150 hrs Question and Answer Session
1150 – 1200 hrs Summing up by the Chair
1200 – 1300 hrs Lunch
MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Session III: Changing Dynamics in Language and Literature

Venue: conference room - FDSS, Academic Building

Chairperson: Prof. EA Gamini Fonseka

1500 – 1505 hrs  Introduction of the Chair
1505 – 1510 hrs  Preliminary Remarks by the Chair
1510 – 1525 hrs  Counterattacking Misogyny, Cultural Constraints and Stereotypes with Deepa Meheta’s ‘Fire’ (1996) and ‘Water’ (2005)
                  UPNN Pathirana
1525 – 1540 hrs  The Gaze, Image, and (Hi)stories: A Critical Review of the Representation of the Rape and Murder of Vithya Sivaloganathan
                  DDL Willarachchi
1540 – 1555 hrs  The Contact between Sinhala and English Orthography in Online Text Messages
                  N Malalasekera
1555 – 1610 hrs  Sinhala and Tamil Influence on Sri Lankan English Particle Use: A Corpus-based Study on the Case of ‘for’
                  MDSS Kumara
1610 – 1625 hrs  Question and Answer Session
1625 – 1635 hrs  Summing up by the Chair
1630 – 1645 hrs  Announcement of best Oral and Poster awards
MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Session IV: Changing Dynamics in English Language Teaching (ELT) and Linguistics

Venue: Mini Auditorium, Academic Building

Chairperson: Dr. Asantha Aththanayake

1500 – 1505 hrs Introduction of the Chair

1505 – 1510 hrs Preliminary Remarks by the Chair

1510 - 1525 hrs University learners’ performance in using the definite article in definite contexts versus the indefinite article in indefinite contexts
M Samaranayake

1525 - 1540 hrs The Use of First Language in Teaching Second Language Vocabulary to Sri Lankan Undergraduates
WMMMJJT Weeraratna, MTN Wijetunge and VU Jayasinghe

1540 - 1555 hrs The impact of Academic Emotions on Language Learning in the university context: a Narrative Review
PC Wathuge

1555 – 1610 hrs A Small-Scale Genre Analysis Study Of The Introductions Of A Corpus Of Postgraduate Essays In The Field Of Applied Linguistics
W Abeyawickrama

1610 – 1625 hrs Question and Answer Session

1625 – 1635 hrs Summing up by the Chair
**MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES**

Parallel Session I: **Changing Dynamics in Green Practices**

*Venue: Mini Auditorium, Academic Building*

*Chairperson: Prof. Weerakoon Banda*

0830 – 0835 hrs   Introduction of the Chair

0835 – 0840 hrs   Preliminary Remarks by the Chair

0840 - 0855 hrs   **Identifying the Impact of Banking Products to Green Banking Initiatives: Case Study for a State Bank**
AH Wickramarachchi and A Wijenayake

0855 - 0910 hrs   **Analysis of the impact of Green Practices on the performance of Large Scale Apparel Industry of Sri Lanka**
SYD Wanniarachchi and DR Ratnajeewa

0910 - 0925 hrs   **Determinants of Corporate Sustainability Reporting: Empirical Evidence from Sri Lankan Listed Companies**
RMNC Swarnapali, Luo Le and KD Prasangika

0925 – 0940 hrs   **Disaster Mitigation Strategies in Urban Development: With Special Reference to Kaduwela Area**
PBWS Malshani and ID Wattuhewa

0940 – 0955 hrs   Question and Answer Session

0955 – 1000 hrs   Summing up by the Chair

1000 – 1030 hrs   Refreshments
MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Parallel Session II: Changing Dynamics in Manufacturing Practices

Venue: Mini Auditorium, Academic Building

Chairperson: Dr. R.A Rathanasiri

1030 – 1035 hrs  Introduction of the Chair
1035 – 1040 hrs  Preliminary Remarks by the Chair
1040 - 1055 hrs  The Effects of Corporate Governance on Capital Structure: A study of Listed Manufacturing Companies in Sri Lanka  
WDH De Mel and MMLC Gunathilake
1055 - 1110 hrs  Cost Optimization of Distribution network in Coca Cola Beverages Sri Lanka Limited  
SU Wijayadasa and DGND Jayarathna
1110 - 1125 hrs  Determining the Statistical Process Control Limits for uncertified Sri Lanka Standard (SLS) Boxes of Matches in Sri Lankan Market  
RASA Perera, KWGMNB Mudannayaka and RAGS Rupasinghe
1125 – 1140 hrs  Analysis of Factors Affecting the Effectiveness of Indirect Procurement Process of Manufacturing Firms  
DR Ratnajeewa and HN Adipola
1140 – 1155 hrs  Question and Answer Session
1155 – 1200 hrs  Summing up by the Chair
1200 – 1300 hrs  Lunch
MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Parallel Session III: Changing Dynamics in Organizational Practices

Venue: Class room, Academic Building

Chairperson: Prof. Milton Rajarathna

1300 – 1305 hrs Introduction of the Chair

1305 – 1310 hrs Preliminary Remarks by the Chair

KH Malwenna

11325 - 1340 hrs A study on the factors influencing the use of e-commerce by customers in Colombo with respect to B2C market
SL Lokuhitige and LU Ranwala

1340 - 1355 hrs The impact of Micro Financial Support on development of Small and Medium Scale Enterprises (SMEs) (With special reference to Anamaduwa Divisional Secretariat in Puttalam District)
NM Wijesekara and P Lankeshwara

1355 – 1410 hrs Study on Job Satisfaction and Absenteeism among Senior& Junior Sailors of Medical Branch in Sri Lanka Navy
AH Mullegama, Henegama, PVG Priyantha, A Jayasinghe and KAC Karunarathna

1410 – 1435 hrs Question and Answer Session

1435 – 1445 hrs Summing up by the Chair

1445 – 1500 hrs Refreshments
MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Parallel Session IV: Changing Dynamics in Logistics & Transport

Venue: Class room, Academic Building

Chairperson: Prof. Saman Bandara

1500 – 1505 hrs  Introduction of the Chair
1505 – 1510 hrs  Preliminary Remarks by the Chair
1510 - 1525 hrs  Impact of Different Traffic Movements on Revenue of Bandaranaike International Airport (Aircraft Movements, Passenger Movements & Visitor Movements)

GM Ranathunga, V Waidayasekera and R Mudunkotuwa

1525 - 1540 hrs  Developing an Electronic Accident Reporting System to Sri Lankan Apparel Industry

PMNP Wijerathne and NHC Manjula

1540 - 1555 hrs  Determinants that Affect the Selection of a Logistics Service Provider in the Manufacturing Industry with Reference to Sri Lanka

DR Ratnajeewa and EAKB Ekanayaka

1555 – 1625 hrs  Question and Answer Session
1625 – 1635 hrs  Summing up by the Chair
1630 – 1645 hrs  Announcement of best Oral and Poster awards
POSTER PRESENTATIONS
ENGINEERING

Venue:

   WDT Fernando, PHPP De Silva and WTS Rodrigo

2. Cold Air Retainer Door Screening System an Effective Energy Saving Solution for Refrigerators
   PLLCS Alwis

3. Potable, economical Cooler by using microstructural Heat Transfer properties of terracotta
   TGD Peiris, RMPS Bandara and FBYR De Silva

4. Design and Development of Robot Based Smart Lawn Maintenance System
   L Sajeev R.Mechsy, MU Bikumjith Dias, Wijeratnun Pragith Kumar

5. Electroencephalogram (EEG) and Electromyography (EMG) Based Artificial Limb Control for Amputees
   KVPD Vidanalage, TWKU Chandrarathna, AAMDMP Wikramasinghe and KT Dananjaya

6. 3D Anthropometric Scanning based on Pattern Projection
   KVMS Somaratne and LR vitharana

7. Study of Double Side-Channel PCF for Surface-Enhanced Raman Spectroscopy
   Udaya Rahubadde and Li Xia

8. Smart Cane for Staircase and Water Detection
   BKTP Wickramasinghe, KKVS Anjana, GDTR Ratnasekara and DU Vidanagama

   N Amarasingha, OHDS Gunathilake, K Ragulan, MPN Aravinda and WSHR Fernando

10. Influence of Vegetation Density on Vehicle Speed and Position of Roadway
    N Amarasingha, KMPA Rodrigo and TN Lankathiaka

11. Improvements in Pedestrian Facilities at Maharagama to Mitigate
the Traffic Congestion
KPHS Kalahe, RMNT Sirisoma, SM Jayasekara, BS Jayasinghe, MSA Fernando, KGDS Ranasinghe, DS Arachchige, REA Wijewardane, RKG Kaluarachchi, TGI Randika and SMHBS Seneviratne

12. Investigation of bottom ash as alternative stabilizer for Mud Concrete Block
Chameera Udawattha, Dharshana Jayasinghe, Rangika Halwatura

13. Cost Effective Construction Using Alternative Materials
JAA Jayasinghe and NK Gunasekara

14. Mathematical Analysis of Dengue Virus with Humoral Immune Response
SD Perera and SSN Perera

15. A new cosmological model including inflation, deceleration, acceleration and deceleration again
PVNMC Perera and KDWJ Katugampala
BUILT ENVIRONMENT AND SPATIAL SCIENCES

Venue: lobby area 3rd Floor, Faculty of Medicine

1. **Study on effects of noise for the Total Station measurements in construction sites**
   
   *CD Iddagoda, MKC De Silva, GP Gunasinghe and KA Dinusha*

2. **Investigating the effect of sun position on the accuracy of digital level observations**
   
   *JMO Jayamanne, SBPLV Dayananda, AH Lakmal and AMAR Geethalankara*

3. **Factors affecting application of high-rise building technology for low-rise building construction in Colombo District**
   
   *DDTN De Silva and MMJ Fernando*
COMPUTING

Venue: TL02, 3rd floor, Faculty of Medicine

1. Feasibility of Deploying Capability Maturity Model Integration in the Sri Lankan Software Industry
   I De Silva

2. Live Update on Bus Routing Time Table Using Ajax Technology
   AGRF Shereen

3. Incident Tracking and Monitoring System
   WCL Kulasinghe, SJB Wijesundara, LRK Kahandagamage and STS De Silva

4. Military Situation Report System
   L Wijethungaarachchi, W Wijekoon, LRK Kahandagamage and STS De Silva

5. Selecting the Best Squad for Real Madrid Football Team for La Liga Season 2016/17: A fuzzy-logic approach
   AJA Dissanayake, ERAD Bandara

6. Web-based Applications: Extending the General Perspective of the Service of Web
   NR Dissanayake, GKA Dias

7. Online Collaborative Drawing Board
   WHMT Dinesh, S.C.M.de S Sirisuriya

8. Low Cost Plant Leave Disease Recognition System for Novice Farmers
   D Vithanage, T Tennakoon and TMKK Jinasena

9. Intelligent Personal Assistant: A Review
   SN Rosa and B Hettige

10. Digital Disruption in Cyclic Consumer Service: Sri Lanka
    MMLM Munasinghe, WHT Gunawardhana
11. Improving Association Rule Mining Algorithms towards Higher Customer Experience
   TA Gunasekera, NR Dissanayake

12. Offline Document Summarizer
   DMDKH Rathnasiri, SI Hewawasam, PAD Devinda, I Thrikawala and B Hettige

13. Review: Extraction Transform Load (ETL) Model for Employee Data Pre-processing and Churn Rate Prediction
   RKAIK Ramanayake, SCM De S Sirisuriya

14. Towards ICT based Solution for Stuttering
   KN Withanage, NR Dissanayake

15. Multi Agent through Action Detection Local Board Game Nerenchi
    ST Wijewaranaarachchi, B Hettige

    DAMD Dalugama, RMDNT Rajapakshe, M Shareef, and ADAI Gunasekara

17. Review of Online Fast Food Guiding System
    S Galagoda, N Wedasinghe

18. Generalized Restaurants Management System
    MNP Dhanasekara, N Wedasinghe

19. Data Mining and Time series forecasting: Sales and Inventory Management System with an integrated Decision Support Module
    KG Hewa, MAJ Wijesekara, GWMH Jayathilake, RWMSV Maddeketiya and PPNV Kumara
MEDICINE

Venue: Lobby Area - Mini-lecture Theatre, 4th Floor, Faculty of Medicine

1. Association of Parenting Styles and Eating Behaviours of Preschoolers in Nugegoda Health Unit Area
   CJ Wijesinghe and GK Wijewickrama

2. Knowledge and Practices towards Prevention of Nosocomial Infections among nurses at National Hospital Colombo, Sri Lanka
   KT Dinesha, SJAA Indeewari, WMKKN Bandara, RDN Karunathilaka and WDD Silva

3. Availability of equipment and other facilities needed to perform rectal examination in Teaching Hospital, Karapitiya
   CPR Yapa, DVSP De Silva, NS Walimuni, PDM Priyadarshani and MAM Ashkar

4. A study on the prevalence of high cholesterol among aircrew members of Sri Lanka Air Force

5. Study of prevalence of anaemia in CKD-u patients in Girandurukotte and Wilgamuwa
   WBNT Fernando, RMPM Rathnayake, HTK Abeyrathna, Z Badurdeen, TW Hettiarachchi, S H T Sudeshika and N Nanayakkara

6. Long term computer use on vision among undergraduates in University of Colombo, School of Computing
   MMSV Thilakarathne, HMM Udara, B Thucyanthan and P Ranasinghe

7. Prevalence of Incidentally detected abnormalities of thyroid, liver, pituitary, adrenals, pancreas and ovaries in a Sri Lankan population; Preliminary results of a post-mortem
   P Katulanda, G Katulanda, AAH Priyani, MVC de Silva, A Tennakoon, N Somasundaram, RP Amararatna, U Attygalle, H Wijesinghe, GG Ranaweer, KRHS Anuradtha, S Ranasinghe, WVR Wickremasinghe, P Pirakash, MHDM Karunasiris, AE Liyanagunawardana, SP Anthonis, G Ranasinghe, AE Dissanayake, MAU Fernando and MWDAM Gunesekara

8. Role of Darvee Guduchyyadee Gandusha in Mukhapaka - A
Preliminary study

*KPP Peiris, NS Abegunasekara and KI Sandamali*

9. **Molecular diagnosis of Trichomonas vaginalis infection using vaginal swabs**

*HMSP Herath, WMDR Iddawela, WDSJ Wickramasinghe and GC Pathirana*
BASIC AND APPLIED SCIENCES

Venue: Lobby area, 5th Floor, Faculty of Medicine

1. Anatomical variations of the vessels in the femoral triangle – a case report
   R Niranjan and S Udhayakumar

2. Adaptability of APSIM-maize model in intermediate zone of Sri Lanka
   AWI Chathurangi, WMCJ Wijekoon, MMDS Perera, HMPIK Herath, K Sakai and GY Jayasinghe

3. The effect of solvent type and reconstitution temperature on the solubility of commercially available milk powders in Sri Lanka
   JK Vidanarachchi, WVVR Weerasigha, M Gunawardana

4. Fungal pathogen associated with yam (Dioscorea esculenta) rot in Batticaloa district, Sri Lanka
   K Prasannath and S Karunakaran

5. A Fucoidan isolated from Sri Lankan marine brown alga Chnoospora minima; a Potential Inhibitor of LPS-Induced Inflammatory Responses
   KW Samarakoon, IPS Fernando, UKDSS Gunesekara, KKA Sanjeewa P Ranasinghe, GAS Premakumara, and YJ Jeon

6. Propensity of endemic Exacum spp. (Binara) as an ornamental plant: a case study among agricultural undergraduates, University of Ruhuna, Sri Lanka
   PCD Perera, AJMCM Sriwardana, and N Dahanayake

7. Impact of different types of background music on aerobic endurance among national taekwondo players: Sri Lankan perspective
   DN Dammullage, S Jaganenthiran, and L Jayasekara

8. Occurrence of some antibiotic-resistant enterobacter species at the turtle pond Bayazid Bostami Shrine, Chittagong, Bangladesh
   RNN Gamage and AD Phillott

9. Time series forecasting for gold price in Sri Lanka; Box-Jenkins approach
10. Effects of high temperature on the growth and yield of selected chilli (Capsicum annum L.) cultivars  
   AIK Abeysekara, KHST Deshabandu, S Mahendran, S Puvanitha

11. Relationship between physical activity and Body Mass Index (BMI) and their associated factors in a middle-aged adult population in Karapitiya, Sri Lanka  
   RNN Gamage, KB Hasanthi and ATPL Abeykoon

12. Evaluation of genetic diversity of OsHKT8 gene in selected Sri Lankan rice varieties  
   BP Abhayawickrama, DR Gimhani and NS Kottearachchi

13. Assessment and reconstruction of AAHPER test for Sri Lankan youth aged 10-17  
   RDAM Somarathna, S Jeganenthiran and S Sabaananth

14. Designing a physical literacy model for Sri Lankan children grades 4 to 6 (8 to 12 years)  
   TADN Gnanarathna, S Jeganenthiran and S Sabaananth

15. Phylogenetic identification of Caryota (Kithul) strains using DNA barcoding  
   ACK Kumari, WWSR Wijewantha, CD Wijayarathna

16. Health and ecological risk assessment of heavy metals in atmospheric deposition in Kandy city and suburbs, Sri Lanka  
   L Weerasundara, DN Magana-Arachchi, DGGP Karunaratne, M Vithanage

17. Extrinsic factors affecting the most prominent injury pattern among Sri Lanka army football players  
   KC Gunasekara, LRND Weerarathne, RK Attygalla

18. A study on the relationship between anthropometric characteristics and performance of junior national kabaddi players in Sri Lanka  
   DA Jayakody, I Ekanayake

   V Prasannath
20. Slippage of tradition and conversion into new technology in the paddy cultivation in Muthukandiya area
Rev. Balangoda Indarathana

21. Evaluation of the efficacy of dandruff care herbal oil in the management of dārunaka (dandruff)
JMSA Bandara, WJ Wickramarachchi

22. Phytochemical analysis and evaluation of total phenolic and flavonoid content of selected parts of Caryota urens (Kithul)
ST Ramu, TN Adikari, P Ranasinghe
ALLIED HEALTH SCIENCES

Venue: LL3, 4th floor, Faculty of Medicine

1. Knowledge and attitudes regarding the Emergency Contraceptive Pills among the Defence University students in Sri Lanka
   GJI Boteju, MABB Samaratunge, BMR Fernandopulle and MN Priyadarshanie

2. Association of Mean Arterial Pressure, Impaired Glucose Tolerance and Body Mass Index with estimated Glomerular Filtration Rate among individuals in Dompe Medical Officer of Health area, Sri Lanka
   DK Sampath, WPP Weerakkody, HKAS Madhubashini, JASN Jayasinghe, WAC Karunarathe, JMKB Jayasekara, A Balasuriya, AMDN Amarathunga, AMN Ariyarathe and RMCM Wimalarathne

3. Food Exchange List for Sri Lankan Diabetic Patients
   K Prasannath and S Karunakaran

4. Association of gender difference and study discipline with absenteeism from academic activities and clinical training among undergraduates of Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University
   HSMSK Wijesiri and D Vidanage

5. A Study on the nutritional status and the academic performance among children aged 10 years in type three schools in Mawanella Educational Division, Sri Lanka
   WMTU Wijekoon, TM Senanayake, AP Merusinghe, SM Ramawickrama, RDUP Sugathapala and MDAS Gunathileke

6. In-vitro evaluation of antirheumatoid arthritic and anti-inflammatory activities of aqueous bark extract of Bridelia retusa
   WGMM Jayawikrama, ARAMSSK Attanayake, YAAB Yapa, WD Ratnasooriya and RN Pathirana

7. Comparison of dipstick and manual method for urine pH, sugar and protein in patients attending Out-patient departments laboratory, Teaching Hospital, Jaffna, Sri Lanka
   Sumana Sivalingam, Kesavan Vithegi, Sandrasegarampillai Balakumar and Rajendra Surenthirakumaran

OrthoPantomography (OPG) Images in Dental Radiography

AMC Kumarihami, SDL Heshani, P Sathyathas and R Illeperuma

9. Knowledge and Attitudes of Cath Lab Nurses on Radiation Protection in Selected Hospitals of Western Province, Sri Lanka
RRWMGC Ranaweera, AMMS Costa, MAHA Wickramasinghe, RMHS Rathnayaka, DDN Wimalarathna and WD Rathnasooriya

10. Assessment of knowledge and perceptions of mothers on febrile convulsion in selected areas of Batticaloa district, Sri Lanka
A Loshan, AAN Ruwendri, T Salome and A Anjela

11. Perception about the Nursing Profession, Socio Demographic Factors Influencing On The Perception And Preference To Choose Nursing As A Future Career Among Advanced Level Bioscience Students In The Jaffna Educational Zone, Sri Lanka
Shanmugasundaram Dhayani, K Sivapalan, Luxmi Kamalarupan and Deivy Thabotharan

12. Factors Affecting Anaemia Status and Nutritional Status in Pregnant Women in some areas of Estate Sector in Central Province, Sri Lanka
JK Vidanarachchi, HD Wijesinghe, WVVR Weerasingha, RMPM Rathnayake, SY Banadara, RMSP Rathnayake

13. Factors influencing levels of physical activity among walking tract users in Colombo district
Udara Gayan and Sudath Warnakulasuriya

14. Effect of bloodletting therapy (Rakthamokshana) and Srilankan traditional medicine on varicose veins (Shiraja Granthi) - A case study
MMAIP Wickramasingha and ERHSS Ediriweera

15. Effect of purgation (Virechana Karma) using Ehala Peni (Cassia fistula) and application of Kaluwala Alepa (Alpinia malaccensis) in treatment of Pityriasis versicolor (Sidhma Kushta) - A case study
WL Navodi and ERHSS Ediriweera

16. Effect of BMI on energy expenditure of elite female athletes
SMSH Sitinayake, LRND Weerarathna and GLK Ekanayake

17. Association of Knowledge and Practices towards Prevention of Nosocomial Infections among nurses at National Hospital Colombo, Sri Lanka
KT Dinesha, SJAA Indeewari, WMKKK Bandara, RDN Karunathilaka
ADP Perera, AG Madushani, DMRP Dissanayake, I Rodrigo, ME Fontaine and NACL Nishshanka

19. Influence of socio-demographic factors on self- foot care practices among the patients with type 2 diabetic mellitus attending medical Clinic, Teaching Hospital, Jaffna
A Shamanthi, K Sivapalan and L Kamalarupan

20. Attitudes towards depression among G.C.E. Advanced Level students in Kalutara Educational Zone, Sri Lanka
KMON Perera, KKGJ Lakmol, BS Chathurika, RKIS Jayawardhana, MPKW Abhayasinghe, K Jayaweera and A Sumathipala

21. Household medicine utilization and disposal practices; a survey conducted in ‘Werahera South’ Grama Niladari division, Sri Lanka
SBHP Kumari, HMNS Jayawardana and S Raveendrakumar

22. Knowledge, Practices and Attitudes regarding Contraceptive Methods among Tea-estate Workers in Hiniduma Area in Galle, Sri Lanka
T Mirihagalla, KG Imendra and T Sundarapperuma

23. Influence of physical activity pattern on Non-Communicable Diseases among adults in Beruwala MOH area, Sri Lanka
BDD Lakmali, G Alwis, and PN Kariyawasam

24. Forensic nursing aspects of managing child abuse cases
RHHD Madumali, UCP Perera, and Thilina Abegunasekara

25. Risk factors for harbouring drug resistant bacterial organisms in warded patients at Sri Jayewardenepura General Hospital(SJGH), Sri Lanka
VGM Sudarmika, MMHC Indunil, K Jayatileke and R D Widanagamage
26. The Effect of Skill-Related Physical Fitness Components on Performance of Sri Lankan School Junior National Male Table Tennis Players
   C Ginige, DA Jayakody and S Weerasinghe

27. Quality of life and its determinants in a heterogenous group of cancer patients in National Cancer Institute of Sri Lanka
   D Rukshani, P Kahandawala, K Jayawardana, D Karunarathne, WGC Kumara and RMCRR Gamage

28. Awareness of complementary feeding practices among mothers attending child welfare clinics at Ratmalana, Medical Officer of Health (MOH) area
   HMK Fernando, GDM Karunathilaka, MM Weerasinghe, RPR Rajapakse, RDPU Sugathapala and MDAS Gunathilake

29. Mothers’ Knowledge and Attitudes regarding prevention and management of febrile seizures in children at Dehiwala MOH area, Sri Lanka
   SS Weerasekara, SASK Dissanayake, KN Thilanka, WTS Induroshi, D Vidanage and GDI Rodrigo

30. Parental Awareness of risk factors, recognition and first aid management of accidental foreign body aspiration in children aged 1-5 years in Dehiwala-Ratmalana area, Colombo, Sri Lanka
   SMDR Samarakoon, PAMT Polpitiya, SPPIMND Paramanayaka, THKP Apasara, HMP Herath and G Jayatilaka

31. Epidemiological characteristics among RT-PCR positive dengue patients and RT-PCR negative patients with other febrile illnesses admitted to Teaching Hospital – Peradeniya
   SC Abeyesinghe, CK Nandasena, SAM Kularathna, U Ralapanawa, RMPM Rathnayake, JAJ Jayasinghe, HR Wickramasinghe, RPVJ Rajapakse and JMKB Jayasekara

32. Dengue outbreaks in Sri Lanka from 2009 to 2016: an Epidemiological Review
   MN Priyadarshanie, SD Medis, BK Weerasonoriya, RM Pradeep, ML Madushani and JMKB Jayasekara

33. Menstrual hygiene management; awareness, practices and its impact on education among adolescent school girls in Galle
   JGAN Chathurika, TD Sundarapperuma and Janaka Lenora

34. In-vitro antibacterial activity of some aquatic plants growing in waste water of Sri Lanka
   ARN Silva, BAR Fernando, RGW Rajapaksha, TMAB Thennakoon, WD Ratnasooriya
35. Combinative criteria for identifying stages of CKD patients using both eGFR and Urine Albumin to Creatinine ratio
ARN Silva, DDS Dissanayaka, WAC Karunarathne, GWGP Kumara, RH Karunarathna,
PGCL Nanayakkara, KBS Gunawickrama, AV Ranasingha, JMKB Jayasekara,
SHNP Gunawickrama
LAW

Venue: Lobby area, 1st floor, Academic Building

1. Legitimate Capability of Executing the Death Penalty under Human Rights Law and Values
   M.K.Geethani Jeewanthi

2. Protection of Women in Non International Armed Conflict- A Feminist Perspective
   Janaka Selvaras

3. Decisive role of Roman law in development of International Law
   Punsara Amarasinghe

4. Analysis of Dependencies & Legal Barriers on Digital Forensic Investigations in Sri Lanka
   Priyankara Perera and Dr Prathiba Mahanamahewa

5. Illegal Unreported Unregulated Fishing by Sri Lankan Fishermen: Law Implementation Mechanism and Fishers’ Attitudes on Compliance
   S. Rasanjala Karunathilaka, H.R.L.C Bandara and M.I.U Manikarachchi

6. Occupational Safety and Health of Sri Lankan Employees: Reference to Factories Ordinance and Workmen’s Compensation Ordinance
   KK Witharama

7. The Need for a Regional Mechanism to Combat Piracy at Sea in the South Asian Region.
   Ruvini Katugaha

8. To what extent the protection of Intellectual Property rights are involved in ‘Biopiracy’ in Sri Lanka.
   K. Weerakkody, HAS Madushani and DMPP Dissanayake

9. A Grapple for Standing out rather fitting in: Sri Lankan Claim to the Commission on the Limits of the Continental Shelf
   KLPD Lekamge and DMSH Dissanayake

10. Wrongful Convictions and Remedies to Minimize Imprisonment
    EMN Perera

11. “Curse of Flying death and Dilemma of Law” Challenges of International Humanitarian Law before Drone attacks
    B.P.A Amerasinghe and Madusha. Erandi Thanippularachchi

12. A Study on Strengthening the Laws on Genetically Modified Organisms in Sri Lanka with Special Reference to the Proposed Regulatory Mechanism
J. D. Wimalasiri and R. S. Ranasinghe
13. Silent threat to Sri Lanka’s biodiversity: laws relating to Invasive Alien Species
   JAI Kumarasinghe
14. Privatization of Armed Conflict and International Humanitarian Law
   DA Kaluarachchi and EMN Perera
15. Analysis on Deforestation and Environmental Law in Sri Lanka
   CV Liyanawatte and KLAG Dias
16. Liability for Omission in Prospectus under the Companies Act of 2007: Need for Reformation
   WAC Perera
17. International Humanitarian Laws and regulations to prevent the deaths and injuries of the civilians during an international armed conflict
   RMUAK Ramanayake and RIBAM Rathnamalala
18. A Game of Titles: The effectiveness of the Implementation of the current Land Title Registration programme under the Registration of Titles Act No. 21 of 1998 in Sri Lanka
   WASM Fernando
1. Factors Affecting Employees’ Job Satisfaction at the Muthur Base Hospital  
   S Priyadharsan

2. The Relationship between Entrepreneurial Competencies and Entrepreneur Success: An Empirical Investigation among Pettah Entrepreneurs  
   MA Tajbhoy, M Rajapakse and T Perera

   MHR Sandeepanie, GJM Ariyathilake and EG Ubayachandra

4. Corporate Board Attributes and Profitability: A Case of Australia  
   P Pratheepkanth

5. Identifying the Factors that have an Impact on the Career Advancement of Female Employees: Case Study for a State Bank of Sri Lanka  
   G Kathriarachchi and A Wijayanayake

6. The Impact Made by Visual Merchandising Elements on Purchase Intension with Special Reference on Supermarket Industry in Western Province  
   U Rathnayaka and T Madhuhansi

7. Skills Management of Building Maintenance Technicians in Sri Lanka  
   AR Thilochini, DMPP Dissanayake, N Madusanka and NHC Manjula

8. A Study on the Factors Affecting for Automobile Dependency in city of Colombo, Sri Lanka  
   DLRT Perera, SS Wanniarachchi and WL Rathnayake

   WMUSK Walisundara

10. Crop Farm baseline Survey in Eravur Pattu of Batticaloa District with Special Reference to Socioeconomic Factors, Cultivation Practices, Extension Services and Constraints
A Narmilan and S Puvanitha

11. The Impact of Parental Involvement on Students’ Attitude and Performance in Science in Batticaloa Educational Zone, Sri Lanka

C Elankumaran and C Arulmoly