



PROGRAMME

12TH INTERNATIONAL RESEARCH CONFERENCE

CHALLENGES TO HUMANKIND IN THE FACE OF NEW TECHNOLOGIES



PROGRAMME GUIDE

Day 1 : 11th September 2019

0730	-	0845	hrs	Registration
0845	-	0850	hrs	Arrival of the Chief Guest
0850	-	1020	hrs	Inaugural Session
1020	-	1035	hrs	Refreshments
1045	-	1230	hrs	Plenary Session Defence and Strategic Studies I
1230	-	1400	hrs	Lunch
1400	-	1600	hrs	Plenary Sessions Defence and Strategic Studies II Engineering Built Environment and Spatial Sciences Computing Medicine Basic and Applied Sciences Allied Health Sciences Law Management, Social Sciences and Humanities
1600	-	1630	hrs	Refreshments
1630	-	1800	hrs	Evaluation of Poster Presentation
1900	-	2100	hrs	Cocktail and Networking Session

PROGRAMME GUIDE

Day 2 : 12th September 2019

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

0830	-	1000	hrs	Session 1
1000	-	1030	hrs	Refreshments
1030	-	1200	hrs	Session 2
1200	-	1300	hrs	Lunch
1300	-	1430	hrs	Session 3
1430	-	1500	hrs	Refreshments
1500	-	1630	hrs	Session 4
1630	-	1645	hrs	Announcement of Best Paper (Oral/Poster) Awards

INAUGURAL SESSION

Venue : Auditorium – Faculty of Graduate Studies (FGS)

- 0730 - 0845 hrs Conference Registration**
- 0845 - 0850 hrs Arrival of Chief Guest**
- 0850 - 0915 hrs Inauguration**
- 0915 - 0925 hrs Welcome Address**
 Air Vice Marshal HMSKB Kotakadeniya
 WWV, RWP, RSP, VSV, USP, MSc (Def & Strat Stu), fndu, psc
 Vice Chancellor, General Sir John Kotelawala Defence University
- 0925 - 0935 hrs Speech of the Chief Guest**
 General SHS Kottegoda (Rtd)WWV RWP RSP VSV USP ndc
 Honourable Secretary to the Ministry of Defence
- 0935 - 1005 hrs Keynote Speech**
Professor Abhaya Induruwa
 Inaugural Professor V K Samaranayake Endowed Professor of
 Computing, University of Colombo School of Computing,
 Sri Lanka
 Director of Cyber Innovation Centre, Canterbury Christ Church
 University, UK
- 1005 - 1010 hrs Vote of Thanks**
 Ms. Padmaja Wijesooriya
 Conference Chair
- 1010 - 1020 hrs Group Portrait**
- 1020 - 1035 hrs Refreshments**

PLENARY SESSIONS

DEFENCE AND STRATEGIC STUDIES - I

Theme: Challenges to Humankind in the Face of
New Technologies; Defence Perspective

Venue: Auditorium, Faculty of Graduate Studies

Chairperson		Professor Amal Jayawardane Senior Professor, Department of Strategic Studies, Faculty of Defence and Strategic Studies, KDU
1110 - 1120	hrs	Introduction of the Chair
1120 - 1130	hrs	Preliminary Remarks and introduction of presenters by the chair
1130 - 1145	hrs	Challenges to Humankind in the Face of New Technologies; India's Perspective Major General Arvind Bhatia Assistant Chief of the Integrated Defence Staff (Training and Doctrine), Headquarters Integrated Defence Staff, New Delhi, INDIA
1145 - 1200	hrs	Challenges to Humankind in the Face of New Technologies: Perspective of Pakistan Major General Asif Ali, HI (M) Director General, Institute for Strategic Studies Research & Analysis (ISSRA), National Defence University, Pakistan
1200 - 1215	hrs	Challenges to Humankind in the Face of New Technologies with Special Reference to AI, Cyber and Automation Dr Harinda Vidanage Director, Bandaranayaka Center for International Studies, BMICH
1215 - 1235	hrs	Question and Answer Session
1235 - 1240	hrs	Summing up by the Session Chair
1240 - 1350	hrs	Lunch

DEFENCE AND STRATEGIC STUDIES – II

Theme: Challenges to Humankind in the Face of
New Technologies; Defence Perspective

Venue: Auditorium, Faculty of Graduate Studies

Chairperson		Major General KPA Jayasekera WWV RSP VSV USP ndc psc Commander, Security Force Headquarters East
1400 - 1405	hrs	Introduction of the Chair
1405 - 1415	hrs	Preliminary Remarks and introduction of presenters by the chair
1415 - 1430	hrs	The Improvement of Indonesian Community Multiliteration in the Post-Truth Era and Digitalization Technology Rear Admiral Dr Suyono Thamrin MEngSc. Chief of Educational Development and Quality Assurance Institute, Indonesia Defense University, INDONESIA
1430 - 1445	hrs	Particular Aspects of Contemporary Counterterrorism in Face of New Technologies Major General Shuliak Viktor Vasilievich Professor of the Russian Armed Forces, Military Academy of General Staff , Russian Federation Armed Forces, RUSSIA
1445 - 1500	hrs	Challenges to Humankind in the Face of New Technologies: Perspective of Maldives Col Mohamed Ibrahim Commander, Maldives National Defence Force (MNDf), MALDIVES
1500 - 1515	hrs	Battle of the Narratives and the Weaponization of Online Platform Dr Sara De Silva Assistant Professor, Military Programme, Abu Dhabi University, Abu Dhabi, UNITED ARAB EMIRATES
1515 - 1530	hrs	Challenges to Humankind in the Face of New Technologies: Perspective of Malaysia Col (Rtd) Dato' Akhtar Zainudin Director, Academic – Industry of International Programmes, National Defense University, MALAYSIA

PROGRAMME

- 1530 - 1550 hrs Question and Answer Session**
1550 - 1555 hrs Summing up by the Session Chair
1555 - 1615 hrs Refreshments

ENGINEERING

Theme: Challenges Facing Humankind with the Advances in Engineering

Venue: FOE 4-2, 4th Floor Faculty of Engineering

Chairperson	Professor JR Lucas Senior Professor Department of Electrical, Electronic & Telecommunication Engineering, Faculty of Engineering, General Sir John Kotelawala Defence University, Sri Lanka
1345 - 1350 hrs	Introduction of the Chair
1350 - 1400 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1400 - 1425 hrs	UAV based Green Ultra Dense Networks in 5G Communications Professor Nalin Jayakody Ph. D. (Dublin), IEEE Senior Member Assoc. Professor of School of Computer Science and Robotics Head, Infocomm Lab, National Research Tomsk Polytechnic University Tomsk 634050, Russia
1425 - 1450 hrs	Unlocking Space Access for Mankind - Reaction Engines and the Sabre Propulsion System Rear Adm Simon Henley MBE, RPP, CEng FRAeS Hon FAPM Immediate-Past President, Royal Aeronautical Society, The United Kingdom
1450 - 1515 hrs	Design and Fabrication of Smart Piezoelectric Devices Professor SU Adikary Department of Materials Science and Engineering, Faculty of Engineering, University of Moratuwa, Sri Lanka
1515 - 1540 hrs	Structural Design of Tall Buildings Eng. Shiromal Fernando Vice President of the Green Building Council Sri Lanka
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: Rise of The Indian Ocean Rim Region: Global Common
and the Asian Renaissance

Venue: LT01 - 3rd Floor, Faculty of Medicine

Chairperson	Vidya Jothi, Emeritus Professor, Eng. Willie Mendis Former Vice Chancellor of University of Moratuwa, Former Chairman of Urban Development Authority Former President of Institute of Town Planners, Fellow member Institute of Town Planners
1400 - 1405 hrs	Introduction of the Chair
1405 - 1410 hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1410 - 1430 hrs	New Technologies: Necessity or Inevitable Vidya Jothi, Emeritus Professor, Eng. Willie Mendis Former Vice Chancellor of University of Moratuwa, Former Chairman of Urban Development Authority Former President of Institute of Town Planners, Fellow member Institute of Town Planners
1430 - 1450 hrs	The Elusive Hanging-gardens of the Giri Monasteries of Sri Lanka - 2019 Dr. Shanthi Jayawardhane, AIA (SL) Associate member of Sri Lanka Institute of Architects
1450 - 1510 hrs	Sri Lanka National Spatial Data Infrastructure Mr. PMP Udayakantha Former Surveyor General, Survey Department of Sri Lanka, Former Chairman of Land Survey Council
1510 - 1530 hrs	Diversification of Quantity Surveyors' Roles in the Construction Industry: Skills and Competencies Required Professor Kanchana Perera Professor of Quantity Surveying Fellow member of Institute of Quantity Surveyors, Sri Lanka Head of Department of Quantity Surveying - University of Vocational Technology, Sri Lanka
1530 - 1550 hrs	Spiral Process of Architectural Design Archt. Dr. RMKU Rajapaksha (AIA) SL Associate member of Sri Lanka Institute of Architects Head Department of Architecture, University of Moratuwa

- 1530 - 1605 hrs Summing up by the Chair**
- 1605 - 1630 hrs Refreshments**
- 1630 - 1800 hrs Evaluation of Poster Presentations**

COMPUTING

Theme: Smart Solutions for Challenges Facing Humankind in the Information Age

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

Chairperson

Professor Abhaya Induruwa

Inaugural Professor V K Samaranayake Endowed Professor of Computing, University of Colombo School of Computing, Sri Lanka
Director of Cyber Innovation Centre, Canterbury Christ Church University, UK

1400 - 1430 hrs

Realising the Potential of Internet of Things: Can we afford to miss the opportunity?

Professor Abhaya Induruwa

Inaugural Professor V K Samaranayake Endowed Professor of Computing, University of Colombo School of Computing, Sri Lanka
Director of Cyber Innovation Centre, Canterbury Christ Church University, UK

1430 - 1500 hrs

Interoperability! An exigent necessity for SMART Solutions

Professor Prasad M Jayaweera

Professor – Computer Science, Department of Computer Science, Faculty of Applied Sciences, University of Sri Jayewardenepura

1500 - 1530 hrs

Assistance to Companionship: Role of Socially Assistive Robots

Professor Koliya Pulasinghe

Professor in Information Technology
Sri Lanka Institute of Information Technology(SLIIT)

1530 - 1600 hrs

Enabling Efficient Delivery of Government Digital Services while Maintaining Privacy

Dr. Sanjiva Weerawarana

Chairman and CEO WSO2

1600 - 1615 hrs

Summing up by the Chair

1615 - 1630 hrs

Refreshments

1630 - 1730 hrs

Evaluation of Poster Presentations

MEDICINE

Theme: Dilemma in Medicine: Technology and Humanities in Healthcare

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

Co-Chairpersons	<p>1. Professor ND Warnasuriya Senior Professor of Paediatrics Department of Clinical Sciences, Faculty of Medicine General Sir John Kotelawala Defence University, Sri Lanka</p> <p>2. Professor Susirith Mendis Senior Professor of Physiology Department of Pre-Clinical Sciences, Faculty of Medicine General Sir John Kotelawala Defence University, Sri Lanka</p>
1400 - 1410 hrs	Opening Remarks by the Chairpersons
1410 - 1430 hrs	<p>Ethics of Artificial Intelligence in Health Care Professor Reidar K Lie Professor of Philosophy, Head of the Department, Department of Philosophy, University of Bergen, Norway</p>
1430 - 1450 hrs	<p>Youth Violence: Implications of Genetics, Child Rearing and Global Politics Vidyajothi Professor Harendra de Silva President, Sri Lanka Medical Council and Emeritus Professor, University of Colombo, Sri Lanka</p>
1450 - 1510 hrs	<p>Challenges in Dengue Vaccine Development: Cross-reactive Antibodies in Dengue Virus Infection Professor Meng Ling Moi Associate Professor, Department of Virology, Institute of Tropical Medicine, Nagasaki University, Japan</p>
1510 - 1530 hrs	<p>Prenatal Diagnosis and Termination of Pregnancy for the Control of Thalassaemia in Sri Lanka: Should it be the Way Forward? Professor Anuja Premawardena Senior Professor, Department of Medicine, Faculty of Medicine, University of Kelaniya, Sri Lanka</p>

PROGRAMME

- 1530 - 1550 hrs Technology in Medicine's Future**
Dr. Panduka Karunanayake
Senior Lecturer in Clinical Medicine, Department of Clinical Medicine,
Faculty of Medicine, University of Colombo, Sri Lanka
- 1550 - 1600 hrs Closing remarks by the Chairpersons**
- 1600 - 1630 hrs Refreshments**
- 1630 - 1730 hrs Evaluation of Poster Presentations**

BASIC APPLIED SCIENCES

Theme: Harmonizing Knowledge with Application

Venue: LL3 - 4th Floor, Faculty of Medicine

Chairperson	Professor Devaka Weerakoon Department of Zoology and Environmental Sciences Faculty of Science, University of Colombo, Colombo 03, Sri Lanka
1340 - 1410 hrs	Green energy from local minerals Professor RM Gamini Rajapakse Department of Chemistry, University of Peradeniya, Peradeniya, Sri Lanka
1410 - 1440 hrs	Geothermal energy potential in Sri Lanka Professor Deepal Subasinghe National Institute of Fundamental Studies, Hantana Road, Kandy, Sri Lanka
1440 - 1510 hrs	Human-elephant conflict in Sri Lanka: issues, conservation and management approaches Dr Prithiviraj Fernando Chairman/ Scientist, Centre for Conservation and Research 26/7 C2 Road, Kodigahawewa, Julpallama, Tissamaharama, Sri Lanka
1510 - 1540 hrs	Fundamental block of the universe: have we discovered them? Professor W.G.D. Dharmaratna Department of Physics, University of Ruhuna, Matara, Sri Lanka
1540 - 1555 hrs	Question and Answer Session
1555 - 1600 hrs	Summing up by the Chair
1600 - 1630 hrs	Refreshments
1700 - 1800 hrs	Evaluation of Poster Presentations

ALLIED HEALTH SCIENCES

Theme: Diversification of Research in Health Sciences towards
the Betterment of Human Life

Venue: LL1 - 4th Floor, Faculty of Medicine

Chairperson	Professor Sugandhika Suresh Department of Biochemistry, Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka
1400 - 1430 hrs	Leading The Way For A Better Future: Innovate Kdu Professor Chulananda Goonasekera Consultant Anesthetist, & Honorary Clinical Senior Lecturer, Kings College, London
1430 - 1500 hrs	The Impact Of Artificial Intelligence In Medical Imaging Dr Bimali Weerakoon Senior Lecturer, Department of Radiography & Radiotherapy, Faculty of Allied Health Sciences, University of Peradeniya, Sri Lanka
1500 - 1530 hrs	The Role of Health Professionals In Reducing The Impact Of Non-Communicable Diseases And Improving Well-Being For People Of All Ages Dr Margot Skinner School of Physiotherapy, University of Otago, Dunedin, New Zealand
1530 - 1600 hrs	Summing up by the Chair
1600 - 1630 hrs	Refreshments
1630 - 1730 hrs	Evaluation of Poster Presentations

LAW

Theme: Humankind in the Face of New Technology: Challenges and Aspirations in Law

Venue: Main Auditorium, Academic Building

Chairperson		Professor Camena Guneratne Department of Legal Studies, Faculty of Humanities and Social Sciences, Open University of Sri Lanka
1400 - 1405	hrs	Introduction of the Chair
1405 - 1420	hrs	Preliminary Remarks and Introduction of Presenters by the Chair
1420 - 1440	hrs	Challenges to Human Rights in the Face of Terrorism: Domestic and International Legal Responses Professor Wasantha Seneviratne Faculty of Law, University of Colombo, Sri Lanka
1440 - 1500	hrs	3D Printing: A New Avenue of Regulation Dr James Griffin Law School, University of Exeter
1500 - 1520	hrs	Dynamics of Climate Change: Perspectives of Law and Justice Professor Arvind Jasrotia Department of Law, University of Jammu
1520 - 1540	hrs	Challenges in Bringing Labour and Employment Law in line with the Rapidly Changing Workplace in Sri Lanka Ms Shyamali Ranaraja Visiting Lecturer, University of Peradeniya, Sri Lanka
1540 - 1600	hrs	Summing up by the Chair
1600 - 1630	hrs	Refreshments
1630 - 1730	hrs	Evaluation of Poster Presentations

MANAGEMENT, SOCIAL SCIENCES & HUMANITIES

Theme: Challenges in Management, Social Sciences and Humanities in the face of New Technologies

Venue: Mini Auditorium

Chairperson	Professor Bob Simpson Department of Anthropology, Durham University
1400 - 1425 hrs	Challenges to Humankind in the Face of New Technologies: Some Brief Reflections Professor Bob Simpson Department of Anthropology, Durham University
1425 - 1450 hrs	Emerging Technological Revolution: No Need for Mankind to Get Scared Dr WA Wijewardena Former Deputy Governor, Central Bank of Sri Lanka
1450 - 1515 hrs	Leverage Technology in Logistics and Supply Chain Management Mr Damith Abeyratne Head of Customer Service and Logistics, Unilever Sri Lanka Limited
1515 - 1540 hrs	Technological Evolution and the Humanities: Making Connections Dr Radhika De Silva Head of Department, Department of Language Studies, Open University of Sri Lanka
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; Parallel Session I Defence & Foreign Policy

Venue: Auditorium, Faculty of Graduate Studies

Chairperson

Dr Sara De Silva

Assistant Professor, Military Programme, Abu Dhabi University, Abu Dhabi, United Arab Emirates

0830	-	0835	hrs	Introduction of the Chair
0835	-	0840	hrs	Preliminary Remarks by the Chair
0840	-	0850	hrs	Is a Non-aligned Defence Policy the Best Option for Sri Lanka's Economic Prosperity? KERL Fernando
0850	-	0900	hrs	Game of Minds and Tools: Challenge of Winning Future Littoral Conflicts R Joseph
0900	-	0910	hrs	Sri Lanka's Relations with China from 1948 to 1995: A Neoclassical Realist Analysis B Senaratne
0910	-	0920	hrs	Effectiveness and Transparency Dilemma in Consolidating Democracies PSS Sanjeewa
0920	-	0950	hrs	Question and Answer Session
0950	-	1000	hrs	Summing up by the Chair
1000	-	1030	hrs	Refreshments

Technical Session I; Parallel Session II Security & Strategic Issues

Venue: FGS 4th Floor -1 Seminar Room- Faculty of Graduate Studies

Chairperson

Professor (Emeritus) Amal Jayawardane

Senior Professor, Department of Strategic Studies, Faculty of Defence & Strategic Studies, General Sir John Kotelawala Defence University, Sri Lanka

- 0830 - 0835 hrs Introduction of the Chair**
0835 - 0840 hrs Preliminary Remarks by the Chair

Session I

- 0840 - 0850 hrs The Nexus between Foreign Policy and Internal Crisis of Sri Lanka (1980 to 1990)**
 C Lamahewa & A Seneviratne
- 0850 - 0900 hrs How to Catch the Black Cat in a Dark Room: How should Sri Lanka Military Legally Engage in Global Counter Terrorism in a Democratic Society**
 SW Siriwardena
- 0900 - 0910 hrs Rohingya Refugees in Nepal: Going Beyond the Discourse on Integration**
 N Sanjeevani
- 0910 - 0920 hrs Disruptive Technologies and Nuclear War in South Asia: a Myth or a Reality**
 S de Silva
- 0920 - 0950 hrs Question and answer session**
- 0950 - 1000 hrs Summing up of first session**
- 1000 - 1030 hrs Refreshments**

Session II

- 1030 - 1040 hrs Militarisation of Outer Space: Threats, Challenges and Way Forward for Sri Lanka**
HWW Ranasinghe
- 1040 - 1050 hrs New Technologies and the Modern Battlefield: Humanitarian Perspectives**
MBBN Herath
- 1050 - 1100 hrs Role of Military Professionals in Dealing with Construction Industry of Sri Lanka**
SH Rodrigo, WKAV Welivita, SD Jayasooriya, AR Rupasinghe & CT Gunarathna
- 1100 - 1120 hrs Question and Answer Session**
- 1125 - 1130 hrs Summing up by the Chair**
- 1200 - 1300 hrs Lunch**

Technical Session II: Security Issues

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Major General Arvind Bhatia Assistant Chief of the Integrated Defence Staff (Training and Doctrine), Headquarters Integrated Defence Staff, New Delhi, India
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	Revisiting the Regional Security Complex of South Asia SMDPH Senanayake
1050 - 1100 hrs	Right to Information (RTI) act: a Case Study on Sri Lanka MTTR Kumara
1100 - 1110 hrs	Franchise Terrorism 2.0 the ISIS Caliphate Goes Viral through Social Media A Wickramasinghe
1110 - 1120 hrs	Cyber Security in SLAF: Behavioural Approach HHLS Lankathilake
1120 - 1150 hrs	Question and Answer Session
1150 - 1200 hrs	Summing up by the Chair
1200 - 1300 hrs	Lunch

Technical Session III: Technology and Military Training

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Rear Admiral Dr Suyono Thamrin M.EngSc. Chief of Educational Development and Quality Assurance Institute, Indonesia Defense University, Indonesia.
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	Military Training Programmes of the Sri Lanka army: Effectiveness and Global Trends of Virtual Reality Technology RMS Veronika and PADACS Jayathilaka
1320 - 1330 hrs	Emerging Asymmetric Threats to the Mankind in the Face of Drone Technology BAMP Balasuriya
1330 - 1340 hrs	Innovative Training for Military Studies in Sri Lanka RD Devasurendra, YT Kodippilarachchie, SD Jayasooriya, AR Rupasinginghe and CT Gunarathna
1340 - 1350 hrs	Resilience Predicts Military Performance and Succession: a Predictive Validity Study of Resilience Inventory for Military (RIM) K Hettigoda and R Hamersley
1350 - 1420 hrs	Question and Answer Session
1420 - 1430 hrs	Summing up by the Chair
1430 - 1500 hrs	Refreshments

Technical Session IV: Strategic issues

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Major General Asif Ali HI (M), Institute for Strategic Studies Research & Analysis (ISSRA), National Defence University, Pakistan
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	Trincomalee Harbour and its Strategic Significance in Contemporary Geopolitics JPKP Kumara
1520 - 1530 hrs	Critical Analysis on Interaction Between International Human Right Law and International Humanitarian Law in Counter Insurgency Operations HAN Hettiarachchi and KP Rohan Kumara
1530 - 1540 hrs	Banishing Silent Destroyers in the Sea in what Manner to Overcome the Challenges of Mitigating “Ghost Nets Impacts in Sri Lankan Waters HGD Ruwanthi, KTNP Gunarathna and IU Manikarachchi
1540 - 1550 hrs	Indo – Lanka Fishery Dispute: Transnational Maritime Crimes – A Threat to Traditional and Human Security M Adams
1600 - 1620 hrs	Question and Answer Session
1620 - 1630 hrs	Summing up by the Chair
1630 - 1700 hrs	Announcement of best Oral awards

Engineering

Technical Session I

Venue: FOE 4-2, 4th Floor, Faculty of Engineering

Chairperson	Professor Nalin Jayakody Assoc. Professor of School of Computer Science and Robotics Head, Infocomm Lab, National Research Tomsk Polytechnic University Tomsk 634050, Russia
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	Raspberry Pi Clustering for VoIP Communication MWP Maduranga and HMM Perera
0850 - 0900 hrs	Modelling and Simulation of Power Transformers Under a DC Offset Produced by Load Current HMAI Herath and JP Karunadasa
0900 - 0910 hrs	Visible Light Communication for Downhole Monitoring SS Morapitiya, DNKnJayakody and R Weerasuriya
0910 - 0920 hrs	Overvoltage Issues Due to Solar Photovoltaic (PV) Integration at Low Voltage (LV) Side JP Karunadasa, ASN Dabare and DMKC Dissanyake
0920 - 0930 hrs	Techno-Economic Solution for Semi-Dispatchable Solar PMD Nayanathara, HS Perera, RAHMPNN Abeyrathne and JR Lucas
0930 - 0955 hrs	Question and Answer Session
0955 - 1005 hrs	Summing up by the Chair
1005 - 1030 hrs	Refreshments

Technical Session II

Venue: FOE 4-2, 4th Floor, Faculty of Engineering

Chairperson	Professor UGA Puswewala Senior Professor, Department of Civil Engineering, Faculty of Engineering, University of Moratuwa, Sri Lanka
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	Aviation Demand for the Construction of a Runway in Kandy T Silva, N Sirisoma and PC Dissanayake
1050 - 1100 hrs	Adoption and Implementation of Building Information Modeling (BIM) Application into Sri Lankan Construction Industry S Thushyanthan
1100 - 1110 hrs	Use of Welded Splices and Reinforcement Couplers as an Alternative for Lap Splicing PS Shanaka and DDTK Kulathunga
1110 - 1120 hrs	Sliding Susceptibility of Solid Waste Fills Indicated by Physical Parameters On-site HMKNM Herath and NK Gunasekara
1120 - 1130 hrs	Impact of Land Use on Water Quality of Kelani River HPMS Sawmika, GA Thusitha and MB Samarakoon
1130 - 1140 hrs	Question and Answer Session
1140 - 1150 hrs	Summing up by the Chair
1200 - 1300 hrs	Lunch

Technical Session III

Venue: FOE 4-2, 4th Floor, Faculty of Engineering

Chairperson	Dr Chaminda Thushara Senior Lecturer, Department of Civil & Environmental Engineering , Faculty of Engineering, University of Ruhuna
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	Surface Characterization by Raw Radio Frequency Signals DK Hewadikaram, HE Perera, DC Wickramrathna, GP Lakraj, M Bandara, AN Pattividana, HHE Jayaweera and JP Wansapura
1320 - 1330 hrs	Living walls as an approach for a healthy urban environmental quality MASK Dias, HT Rupasinghe, GY Jayasinghe and RU Halwatura
1330 - 1340 hrs	Design of an automated system to facilitate Vertical Farming in Sri Lanka PVS Perera, HGRS Gamalath, SVC Seneviratne and WSP Fernando
1340 - 1350 hrs	Process Modelling and Analysis of discrete part manufacturing for Enterprise integration PPSS Pussepitiya
1350 - 1420 hrs	Question and Answer Session
1420 - 1430 hrs	Summing up by the Chair
1430 - 1500 hrs	Refreshments

Technical Session IV

Venue: FOE 4-2, 4th Floor, Faculty of Engineering

Chairperson	Dr WCDK Fernando
	Senior Lecturer, Department of Civil Engineering, Faculty of Engineering, General Sir John Kotelawala Defence University
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	Impacts and Methods to Minimize the Non-Revenue Water That Happens on the National Water Supply System SS Edirisinghe and MB Samarakoon
1520 - 1530 hrs	Identifying and analyzing the demand and consumption patterns of water use in Hotel sector KC Kannangara, HTAJP Hewaarachchi and MB Samarakoon
1530 - 1540 hrs	Studying the Influence of Tempering Conditions on Tempered Martensite Embrittlement of Low Alloy Steel NC Wijesinghe and GIP De Silva
1540 - 1550 hrs	Scope Management of Medium to Large scale construction projects in Military Sector: Perspective of Sri Lanka Navy TGN Pandikorala, AADAJ Perera and AH Lakmal
1550 - 1620 hrs	Question and Answer Session
1620 - 1630 hrs	Summing up by the Chair
1630 - 1700 hrs	Announcement of best Oral and Poster awards

Built Environment and Spatial Sciences

Technical Session I - Quantity Surveying

Venue: LT01, 3rd Floor, Faculty of Medicine

Chairperson	Dr. Yasangika Sandanayake Head of Department of Quantity Surveying University of Moratuwa
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	Current Challenges Faced by Quantity Surveying Professionals in Sri Lankan Construction Industry DMNA Gunawardhana, KAHK Perera, WGMH Wijeneththi, KHDW Anuradhi, SD Jayasooriya and AR Rupasinghe
0855 - 0910 hrs	Application of Research and Development in Sri Lankan Construction Industry K Anojan, SD Jayasooriya and AR Rupasinghe
0910 - 0925 hrs	Project Performance Development through Adoption of Transformational Leadership into the Profession of Quantity Surveying in Sri Lanka: A Gap Analysis TS Hettiarachchi and SD Jayasooriya
0925 - 0940 hrs	Literature Analysis on the Importance of Converting the Dysfunctional Conflicts to Functional Conflicts in the Construction Industry through Team Building Concept M Elvitigala and SD Jayasooriya
0940 - 0955 hrs	Question and Answer Session
0955 - 1000 hrs	Summing up by the Chair
1000 - 1030 hrs	Refreshments

Technical session II - Spatial Sciences

Venue: LT01, 3rd Floor, Faculty of Medicine

Chairperson			Senior Professor DA Tantrigoda
			Former Dean, Faculty of Graduate Studies, USJ, Fellow, National Academy of Sciences of Sri Lanka, Fellow, Royal Astronomical Society of London, 1994-2004 Fellow, Institute of Physics of Sri Lanka
1030 - 1035	hrs		Introduction of the Chair
1035 - 1040	hrs		Preliminary Remarks by the Chair
1040 - 1055	hrs		Establishment of Hydrographic Datum for Mandaitivu Island for National Charting
			SNSBRL Semasinghe, GLT Kumara, MDEK Gunathilaka and RKA Ariyaratna
1055 - 1110	hrs		Decline of Groundwater Level in Divulapitiya Divisional Secretariat Division in Sri Lanka
			WDK Madushanka and VPIS Wijerathne
1110 - 1125	hrs		Evaluating the applicability of Open Source GNSS Post-Processing Software for Applications of Surveying
			JMO Jayamanne, CAHS Perera and R Vandebona
1125 - 1140	hrs		Delimitation of Administrative Boundaries, History, Importance and using Geographic Information System for Improved Delimitation of Administrative Boundaries
			KP Dampegama, NT Halanayake, K Thavalingam and CP Ranawaka
1140 - 1155	hrs		Question and Answer Session
1155 - 1200	hrs		Summing up by the Chair
1200 - 1300	hrs		Lunch

Technical Session III: Architecture

Venue: LT01, 3rd Floor, Faculty of Medicine

Chairperson	Dr. Jagath Munasinghe FIA (SL) Chairman of Urban Development Authority Director General of the National Physical Planning Department of Sri Lanka Senior Lecturer of the University of Moratuwa
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1325 hrs	Optimized Building Integrated Photovoltaic Systems for Utilization on Facades in the Tropical Climate T Mendis, KNK Pathirana and WAPS Kumara
1325 - 1340 hrs	Investigating the Spatial Efficacy of Healthcare Facilities Dedicated to the Care of Post-Traumatic Stress Disorder (PTSD) Patients in Sri Lankan Military Hospitals RWVSR Rajapaksha, KSKNJ Kudasinghe and SR Gunarathna
1340 - 1355 hrs	The Role of Agent Based Modelling for Fulfilling Pitfalls of Urban Planning Process: Challenges and Opportunities in the Context of Sri Lanka R Gamage, N Lakmali and PV Gonovese
1355 - 1410 hrs	Introducing Other Forms of Art to the Design Studio: An Approach of Using 'Poetry' as a Source of Inspiration WAPS Kumara, KNK Pathirana and DWK Gayantha
1410 - 1425 hrs	Question and Answer Session
1425 - 1430 hrs	Summing up by the Chair
1430 - 1500 hrs	Refreshments

Technical Session IV: Multidisciplinary

Venue: LT01, 3rd Floor, Faculty of Medicine

Chairperson	Dr Jagath Munasinghe, FIA (SL) Chairman of Urban Development Authority, Director General of the National Physical Planning Department of Sri Lanka Senior Lecturer of the University of Moratuwa
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1525 hrs	Evaluation of Ambient Air Particulate Matter (PM) Concentration in Urban Context and Its Public Perception HSDPD Sapugoda, HDS Premasiri and GY Jayasinghe
1525 - 1540 hrs	Time Series Analysis of Urban Temperature in Kandy City, Sri Lanka with the Use of Satellite Remote Sensing KUJ Sandamali and KAM Chathuranga
1540 - 1555 hrs	A Study of the Multifarious Integral Attributes for a Professional Quantity Surveyor WNN Fernando, CV Kithulgoda, HGSM Ranahansala, WP Darshana, SD Jayasooriya and AR Rupasinghe
1555 - 1600 hrs	Advanced Smart Room Concept for Next Generation CT Gunarathna
1600 - 1620 hrs	Question and Answer Session
1620 - 1630 hrs	Summing up by the Chair
1630 - 1700 hrs	Announcement of best Oral and Poster awards

Computing

Technical Session I; Parallel Session I ICT Developments in the Information Age

Venue: LT 02, 3rd Floor, Faculty of Medicine

Chairperson	Prof Abhaya Induruwa Director of Centre for Cybercrime & Security Innovation (CCSI), School of Law, Criminal Justice and Computing, Canterbury Christ Church University, UK
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	Lightweight and Portable Cross-Platform Application Development Framework SJMDP Samarakoon, C Hettiarachchi and MAS Suranga
0850 - 0900 hrs	Personalized Privacy Assistant to Capture, Communicate and Enforce Privacy Policies and Preferences GDST Rathnasekara and PPNV Kumara
0900 - 0910 hrs	Automating Urban Hydrology Models: What do Hydrologists Expect from Model Developers? RMM Pradeep and NTS Wijesekera
0910 - 0920 hrs	Advanced Analysis of the Effect of Scrum and Kanban on Software Maintenance Projects UAK Madushika and S Vasanthapriyan
0920 - 0930 hrs	Impact of Talent Management Practices on Perceived Employer Branding: Conceptual Model Development for Sri Lankan IT and Software Service Sector MHR Sandeepanie, GDN Perera, TL Sajeewani and PN Gamage
0930 - 0955 hrs	Question and Answer Session
0955 - 1000 hrs	Summing up by the Chair
1000 - 1030 hrs	Refreshments

Technical Session I; Parallel Session II Challenges Facing through Emerging Technologies

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

Chairperson	Professor Prasad Jayaweera Professor of Computer Science, Department of Computer Science, Faculty of Applied Sciences, University of Sri Jayewardenapura, Sri Lanka
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	Energy Efficient Resource Scheduling in Fog Computing BS Thisarasinghe and KPN Jayasena
0850 - 0900 hrs	Crime Analysing and Management System for Sri-Lankan Police S Sutharsan and D Widanagama
0900 - 0910 hrs	Relativity among Germane Load of CLT & HCI in Reading Tasks – A Review ADAI Gunesekera, DMR Kulasekara, WAAM Wanniarachchi and VSS Nanayakkara
0910 - 0920 hrs	Application of Music Emotion Recognition for Design of Audio Content in Terms of Affective Gaming GAD Ganepola and LP Kalansooriya
0920 - 0930 hrs	Full-Automated Spam Mail Removing Linux-Based Email Server System WKA Thamel
0930 - 0955 hrs	Question and Answer Session
0955 - 1000 hrs	Summing up by the Chair
1000 - 1030 hrs	Refreshments

Technical Session II; Parallel Session I Image Processing for Digital Innovations

Venue: LT 02, 3rd Floor, Faculty of Medicine

Chairperson	Dr Lochandaka Ranathunga Senior Lecturer, Department of Information Technology, Faculty of Information Technology, University of Moratuwa
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	Ayurvedic Plant Identification Using Transfer Learning FS Sourjah, WMKS Ilmini and WPJ Pamarathne
1050 - 1100 hrs	American Sign Language Translator WCC Premarathna and T Arudchelvam
1100 - 1110 hrs	Automatic Projector Calibration for Mobile Projection on Planar Surfaces DMR Kulasekara, D Sandaruwan, C Keppitiyagama and ND Kodikara
1110 - 1120 hrs	Designing and Implementing Drought Monitoring Model in Hambantota District using SPI and NDVI SSU Jayawardana and RL Dangalla
1120 - 1130 hrs	Anti-Driver Distraction Detection and Warning System DL Mahanama and PPNV Kumara
1130 - 1155 hrs	Question and Answer Session
1155 - 1200 hrs	Summing up by the Chair
1200 - 1300 hrs	Lunch

Technical Session II; Parallel Session II Smart IOT Solutions and Applications

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

Chairperson	Dr (Mrs) Jeewanie Jayasinghe Head - Department of Computer Science, Faculty of Science, University of Ruhuna, Sri Lanka
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	IoT Based Smart Solution for Waste Collection and Recycle WAAM Fernando and RPS Kathriarachchi
1050 - 1100 hrs	IoT-Based Cloud Solution to Reduce Sound Pollution in Sri Lankan Public Bus Transportation System KVC Silva and KPN Jayasena
1100 - 1110 hrs	Real Time Motor Insurance Claim Settlement App PKHD Pallewatte, W Gunethilaka and PPNV Kumara
1110 - 1120 hrs	Geo-Citizen Information System – A Strategic Initiative for Private and Public Sector Development in Sri Lanka TS De Silva, RP De Silva and NDK Dayawansa
1120 - 1130 hrs	User Performance Tracking System KGAL Chathurangi and RMM Pradeep
1130 - 1155 hrs	Question and Answer Session
1155 - 1200 hrs	Summing up by the Chair
1200 - 1300 hrs	Lunch

Technical Session III; Parallel Session I Harnessing the Power of Data Mining

Venue: LT 02, 3rd Floor, Faculty of Medicine

Chairperson	Dr Damith Karunarathne Senior Lecturer, Department of Communication and Media Technologies, University of Colombo School of Computing, Sri Lanka
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	Data Mining Approach for Identifying High-quality Journals in Computer Science JKDBG Jayaneththi and BTGS Kumara
1320 - 1330 hrs	A Mobile Application for Ordering Food in Mid-range Food Courts in Sri Lanka using Data Mining Techniques ND Rupasinghage and WJ Samaraweera
1330 - 1340 hrs	Multi-Layer Perceptron Approach for Predicting Road Traffic Accidents Based on the Driver Age SN Ariyathilake and RMKT Rathnayake
1340 - 1350 hrs	Multi-Objective Optimization for Water Distribution Management System for Rathnapura District UHR Kumari and KPN Jayasena
1350 - 1400 hrs	Analysing Sentiments from Student Feedback Using Open-Ended Questions and Advanced Text Analytics HMKM Henarth, PPNV Kumara and TML Jayalath
1400 - 1425 hrs	Question and Answer Session
1425 - 1430 hrs	Summing up by the Chair
1430 - 1500 hrs	Refreshments

Technical Session III; Parallel Session II Machine Learning through Optimal Thinking

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

Chairperson	Dr (Mrs) Thushari Silva Senior Lecturer, Department of Computational Mathematics, Faculty of Information Technology, University of Moratuwa
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	Landslide Susceptibility Mapping using Association Rule Mining based Apriori Algorithm and multiple Clustering Algorithms CN Madawala and BTGS Kumara
1320 - 1330 hrs	Early Stage Malware Detection and Threat Prediction Using Machine Learning KT Dananjana PPNV Kumara and WJ Samaraweera
1330 - 1340 hrs	Application of Machine Learning Techniques to Improve Customer Satisfaction at Book Fairs; A Case Study of Colombo International Book Fair in Sri Lanka KGS Lakshitha and S Vasanthapriyan
1340 - 1350 hrs	Reducing Frequent Killing of Elephants from Train Collisions Using Machine Learning CT Wijewantha, WPJ Premarathne and WMKS Ilmini
1350 - 1400 hrs	A Review on Graphical Symbols Identification on Food Packages Using Machine Learning MD Guruge, DMR Kulasekara and WMKS Ilmini
1400 - 1425 hrs	Question and Answer Session
1425 - 1430 hrs	Summing up by the Chair
1430 - 1500 hrs	Refreshments

Technical Session IV; Parallel Session I Exploring the Innovations in Artificial Intelligence

Venue: LT 02, 3rd Floor, Faculty of Medicine

Chairperson	Dr Gamini Wijayarathna Dean - Faculty of Computing and Technology, University of Kelaniya, Sri Lanka
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	Multi-Agent approach to Face Recognition in Border Control SS Thenuwara and AS Karunananda
1520 - 1530 hrs	Research Directions for Skin Disease Identification using Image Processing and Machine Learning LAN Wijesinghe, DMR Kulasekera and WMKS Ilmini
1530 - 1540 hrs	Effective Usage of Activation Functions for Data Classification with TensorFlow in Deep Neural Networks B Priyabhashana and KPN Jayasena
1540 - 1550 hrs	Intelligent Application For Maternal Health Management MPMD Patabendi and B Hettige
1550 - 1600 hrs	Flood Prediction System for Kelani River HPSW Gunawardhana and RL Dangalla
1600 - 1625 hrs	Question and Answer Session
1625 - 1630 hrs	Summing up by the Chair

Technical Session IV; Parallel Session II Neural Networks towards Intelligent Behavior

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

Chairperson	Professor Koliya Pulasinghe Professor in Information Technology Sri Lanka Institute of Information Technology(SLIIT)
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	Data Mining and Machine Learning Approach for Online Product Recommendation System Using Sentiment Analysis HKSK Hettikankanama, S Vasanthapriyan and RMTK Rathnayake
1520 - 1530 hrs	Thambot: A Robotic Approach for Thammattama MAST Goonatileke and B Hettige
1530 - 1540 hrs	Identification of Tomato Plant Diseases Using Convolutional Neural Network MS Diunugala, WMKS Ilmini and WPJ Premarathne
1540 - 1550 hrs	Artificial Neural Network Based Novel Flood Prediction Model; A Case Study in Rathnapura in Sri Lanka KAA Chathurangi, LLG Chathuranga and RMKT Rathnayaka
1550 - 1600 hrs	Sign Language Translator for Deaf and Speech Impaired People using Convolutional Neural Network VJ Samarasinghe, SCM De S Sirisuriya, N Wedasinghe and IA Wijethunga
1600 - 1625 hrs	Question and Answer Session
1625 - 1630 hrs	Summing up by the Chair
1630 - 1700 hrs	Announcement of best Oral and Poster awards

Medicine

Technical Session I

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

Chairpersons

Dr SR Hulathduwa

Department of Para Clinical Sciences, Faculty of Medicine,
General Sir John Kotelawala Defence University, Sri Lanka

Dr MMPT Jayasekara

Department of Clinical Sciences, 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 - 0855 | hrs | Falling Masonry Injury Pattern on an Innocent Victim of High Explosive Suicidal Blast on Easter Sunday- A Case Report

HTDW Ariyaratne and SR Hulathduwa |
| 0855 - 0910 | hrs | A Descriptive Analysis of Patients' Fundus Photographs Presenting for Diabetic Retinopathy Screening at University Hospital, KDU

KAE Fernando HTRW Dissanayake WMDKB Weerasinghe and MMPN Piyasena |
| 0910 - 0925 | hrs | 'Love Murder' or 'Mercy Killing' of the Wife in Life-Long Agony

HTDW Ariyaratne and SR Hulathduwa |
| 0925 - 0940 | hrs | Morbidity Pattern of Patients Presenting to the Emergency Treatment Unit over a One-year Period at a Base Hospital in the Western Province in Sri Lanka

KG Kodikara, WM Rukshani, HR Samanthika, SW Vithana, W Subasinghe and D Gunasekara |
| 0940 - 0955 | hrs | Cardiac Autonomic Neuropathy: Importance of Screening in the Asymptomatic and as a Tool to Identify Misdiagnosed Diabetic Neuropathy: Review

J Jayawardena and S Gobinath |
| 0955 - 1000 | hrs | Summing up by the Chairpersons |
| 1000 - 1030 | hrs | Refreshments |

Technical Session II

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

Chairpersons		Professor W Abeyewickreme Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka
		Lt Col (Dr) PH Premaratne Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka
1030 - 1035	hrs	Introduction of the Chair
1035 - 1040	hrs	Preliminary Remarks by the Chair
1040 - 1100	hrs	Bionomics of Leishmaniasis Vector Sand Flies (Psychodidae:Phlebotominae) in Kurunegala District, Sri Lanka ACT Wijerathna, PADHN Gunathilaka, NK Gunawardena and WWP Rodrigo
1100 - 1120	hrs	Bacterial Diversity in the Lumen of Wild Caught Leishmaniasis Vector Phlebotomus argentipes (Psychodidae: Phlebotominae) PADHN Gunathilaka, ACT Wijerathna, HN Perera and WWP Rodrigo
1120 - 1140	hrs	Transformation of Vector Abundance in Mannar District of Sri Lanka; A Comparative Study of the Present and Past PJ Jude, PADHN Gunathilaka, SD Fernando, PH Premaratne, AR Wickremasinghe, SE Priyatharshan and W Abeyewickreme
1140 - 1200	hrs	Variation of Vectorial Capacity and Life History Traits of Aedes aegypti; Main Vector for Dengue Transmission with Larval Diet Concentration OVH Upulika, PADHN Gunathilaka, LD Amerasinghe and NWBAL Udayanga
1200 - 1205	hrs	Summing up by the Chairpersons
1205 - 1300	hrs	Lunch

Technical Session III

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

Chairpersons

Senior Professor SR De Alwis Seneviratne

Department of Para Clinical Sciences, Faculty of Medicine,
General Sir John Kotelawala Defence University, Sri Lanka

Dr RN Ellawala

Department of Clinical Sciences, Faculty of Medicine,
General Sir John Kotelawala Defence University, Sri Lanka

- | | | |
|--------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1300 - 1305 | hrs | Introduction of the Chair |
| 1305 - 1310 | hrs | Preliminary Remarks by the Chair |
| 1310 - 1330 | hrs | Sociocultural Correlates of Health-Related Quality of Life of Women with Polycystic Ovary Syndrome (PCOS) in Sri Lanka
SJ Weerawanni and MKOK De Silva |
| 1330 - 1350 | hrs | Review of Pain Intensity Outcomes in the 24 Hours Post-surgery as a Reflection of Perioperative Pain Services at the UHKDU: Points to Ponder
PTR Makuloluwa, MKH Peiris, RPAN Ariyadasa, WADDT Rathnasekara and NP Edirisinghe |
| 1350 - 1410 | hrs | Sri Lankan Traditional Rice Varieties: their Ability on Controlling Postprandial Glycaemic Response
L Bhagya |
| 1410 - 1430 | hrs | Incidence, Risk Factors and Outcome of Acute Lower Limb Cellulitis in Patients Admitted to a Tertiary Care Hospital
WMID Nakkawita, NS Chandrasiri and R Rajanthi |
| 1430 - 1435 | hrs | Summing up by the Chairpersons |
| 1435 - 1500 | hrs | Refreshments |

Technical Session IV

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

Chairpersons		Senior Professor BMR Fernandopulle Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka
		Dr PBV Navaratne Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Sri Lanka
1500 - 1505	hrs	Introduction of the Chair
1505 - 1510	hrs	Preliminary Remarks by the Chair
1510 - 1530	hrs	Preliminary Study on the Diagnostic Performance of T-spot. TB assay for Tuberculosis D Dilani, NDS Goonawardhana, D Ariyaratne, R Tippalagama, B Peters and AD De Silva
1530 - 1550	hrs	Selected Liver Markers and its Association with the Severity in Acute Organophosphate and Carbamate Poisoning TKRR Senarathne, U Hettiaratchi, S Siribaddana, H Peiris, P Weerawansa, H Senanayaka, N Lokunarangoda, S Pilapitiya, C Sarathchandra and L Athiththan
1550 - 1610	hrs	Study on Cytotoxic and Apoptotic Potential of Barringtonia asiatica seed Kernel against MCF-7 Cell Line P Ragutharan, S Ekanayake and SR Samarakoon
1610 - 1630	hrs	An In-house Assay for Zika Virus Detection: Utility of an IgM Assay in Screening for Zika Virus (ZIKV) Infection by Using Serum Samples SL Wijesooriya, ML Moi, CT Nguyen, F Hasebe and K Morita
1630 - 1635	hrs	Summing up by the Chairpersons
1635 - 1650	hrs	Announcement of Best Oral and Poster Awards

Basic and Applied Sciences

Technical Session I: Natural Product Chemistry

Venue: LL 03, 4th Floor, Faculty of Medicine

Chairperson	Dr Namal Perera Department of Physical Science and Technology, Sabaragamuwa University of Sri Lanka, Belihuloya
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	<i>In vitro</i> antibacterial activity of aqueous root extract of <i>Sida cordata</i> Burm on infectious bacteria of the urinary tract RYC Ramasinghe, HMNDM Herath, BMHD Samarasinghe, RD Widanagamage, RN Pathirana and WD Ratnasooriya
0850 - 0900 hrs	<i>In-vitro</i> anti-diabetic activity of polyphenole-rich extract from marine brown algae <i>Choonospora minima</i> (Hering 1841) MDTL Gunathilaka, P Ranasinghe, KW Samarakoon and LCD Peiris
0900 - 0910 hrs	<i>In vitro</i> antioxidant properties of leaves from Sri Lanka-grown <i>Moringa oleifera</i> Lam morphotypes RAGN Ranatunga, HDSM Perera, JKRR Samarasekara, KRR Mahanama and TDCMK Wijayasiriwardena
0910 - 0920 hrs	<i>In-vitro</i> antioxidant activity and the total phenolic content of herbal plants used in cancer treatment of Sri Lankan Ayurvedic medicine A Navodani, GAU Jayasekara, SSSBDP Soys, LV Gooneratne and I Ranathunge
0920 - 0930 hrs	<i>Garcinia Mangostana</i>: A potent inhibitor of renin for management of dyslipidemia SM Abdulla, GAS Premkumara, C Udawatte and P Ranasinghe
0930 - 0940 hrs	Functional analysis of SdNP; A protein of unknown function in <i>Setaria digitata</i> R Dharshika, SA Dharshika, M Gowthami, GN Silva and RS Dassanayake
0940 - 1010 hrs	Question and Answer Session
1010 - 1015 hrs	Summing up by the Chair
1015 - 1030 hrs	Refreshments

Technical Session II: Chemistry and Molecular Biology

Venue: LL 03, 4th Floor, Faculty of Medicine

Chairperson	Dr Harshi Manawadu Department of Chemistry, University of Ruhuna, Matara, Sri Lanka
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1050 hrs	Investigation of copper oxide nanoparticles as catalysts for “Click” reaction S kukendran, HIC de Silva and SM Vithanarachchi
1050 - 1100 hrs	Colorimetric sensor based on L-Cysteine functionalized silver nanoparticles for cadmium (II) ion detection AADT Abeysinghe, KCML Elvitigala, ACA Jayasundera and NMS Sirimuthu
1100 - 1110 hrs	Computational study of linamarin and its synthetic analogues as substrates for alpha and beta human glucosidase enzymes A Navodani, GAU Jayasekara, SSSBDP Soysa, LV Gooneratne and I Ranathunge
1110 - 1120 hrs	Urea modified calcium carbonate nanohybrids as a next generation fertilizer DN Rathnaweera D Pabodha C Sandaruwan G Priyadarshana SP Deraniyagala and N Kottegoda
1120 - 1130 hrs	Synthesis of a Micronutrient Nanofertilizer by incorporating zinc oxide and copper oxide nanoparticles to alginic acid SA Ekanayake and PI Godakumbura
1130 - 1140 hrs	Proximate composition and calorie content of selected Sri Lankan traditional rice (<i>Oryza sativa</i> L.) based porridges PAN Thushara, PI Godakumbura and MAB Prashantha
1140 - 1210 hrs	Question and Answer Session
1210 - 1215 hrs	Summing up by the Chair
1215 - 1300 hrs	Lunch

Technical Session III: Statistics

Venue: LL 03, 4th Floor, Faculty of Medicine

Chairperson	Dr Kapila Tharanga Rathnayaka Department of Physical Science and Technology, Sabaragamuwa University of Sri Lanka
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	Influence of the factors associated with suicides: A case study in the Kelaniya police division in Sri Lanka JLSM Kumara NV Chandrasekara
1320 - 1330 hrs	Modelling and forecasting monthly petroleum crude oil prices using a hybrid time series model HHTP Samarakoon, RAN Madhuwanthi, HNAM Wijayawardhana and NV Chandrasekara
1330 - 1340 hrs	Modelling retail price of red onions in Colombo markets using ARIMA-GARCH mixed model MGA Saumyamala, WPMCN Weerasinghe, JLSM Kumara, SAL Sachithra and NV Chandrasekara
1340 - 1350 hrs	Statistical modelling of electricity consumption in Sri Lanka LS Madushani and KDN Kumari
1350 - 1400 hrs	Forecasting the unit cost of electricity generated by fossil fuel using ARIMA technique: A case study of a diesel/heavy fuel oil WPMCN Weerasinghe and DDM Jayasundara
1400 - 1410 hrs	A Seasonal ARIMA model to forecast monthly potato yield in Sri Lanka MSH Perera, AWSP Karunarathne, SS Hewage, LBU Sandamali and NV Chandrasekara
1410 - 1440 hrs	Question and Answer Session
1440 - 1445 hrs	Summing up by the Chair
1445 - 1500 hrs	Refreshments

Session IV: Statistics/ Mathematics/ Biological effects

Venue: LL 03, 4th Floor, Faculty of Medicine

Chairperson	Professor SD Wanniarachchi Department of Soil Science, University of Ruhuna, Sri Lanka
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	Artificial neural network approach for predicting daily price indices in Colombo Stock Exchange, Sri Lanka RMKT Rathnayaka and DMKN Seneviratna
1520 - 1530 hrs	Randić index and harmonic index of roach graph KGMU Wickramasinghe and KKKR Perera
1530 - 1540 hrs	Optimal feasible green light assignment to a traffic intersection using graph theory SD Kavirathne and GS Wijesiri
1540 - 1550 hrs	Effect of environmental heat Stress on pregnancy rate of imported dairy cattle WMNK Jayathilake ,HTSI Madushanka, WMTD Rathnakumara, Y Prashanth, K Nizanantha, GDRK Perera and PABD Alexander
1550 - 1600 hrs	Leukocyte, thrombocyte and cytokine profiles of the CKD affected people of Girandurukotte and Mahiyanganaya area of Sri Lanka KIG Hewavitharana, ARN Silva, GWGP Kumara, RH Karunarathna PGCL Nanayakkara, KBS Gunawickrama, JKMB Jayasekara, RMKT Rathnayaka and SHNP Gunawickrama
1600 - 1610 hrs	Modelling photoperiod and flowering time of selected Sri Lankan traditional rice accessions IC Liyanage, LGI Chaturik , EUU Rathnathunga, D Padukkage, S Geekiyanage, LALW Jayasekara
1610 - 1640 hrs	Question and Answer Session
1640 - 1645 hrs	Summing up by the Chair

Allied Health Sciences

Technical session I; Parallel Session I Nursing & Midwifery

Venue: LL1, 4th Floor, Faculty of Medicine

Chairperson	Professor Chulananda Goonasekera Consultant Anesthetist & Honorary Clinical Senior Lecturer, Kings College, London
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary remarks by the chair
0840 - 0855 hrs	An assessment on the knowledge and healthcare related practices of parents regarding home management of children with Nephrotic Syndrome JSS Madhushani and WVRTDG Bandara
0855 - 0910 hrs	Impact of a health promoting lifestyle education intervention on cardiovascular disease risk indicators in postmenopausal women N Rathnayake, G Alwis, J Lenora and S Lekamwasam
0910 - 0925 hrs	Maternal satisfaction with postpartum care provided by the area midwives and its associated factors among mothers' in Nallur MOH area G Shiyama, PAD Coonghe and L Kamalarupan
0925 - 0940 hrs	Effectiveness of interventional food based activity in preschool on changing the food choosing behavior of preschool children of age 2- 5 years in Panadura urban council area UDSM Abeyrathna, KHP Perera, WVN De Mel, DC Madushan, GWNK Chandrasiri, MN Priyadarshanie and GDI Rodrigo
0940 - 0955 hrs	COPD and high-risk occupations: knowledge on causative substances and safety measures and practice of safety measures GMKN Kumari, JMSM Jayasinghe, SMDT Siriwardhana, NAA Madushani, WACD Wirasagoda, SDPL Weerawardhana and V Navarathne

- 0955 - 1010 hrs** **The practice on adult advanced life support and the influencing factors among the nursing officers working in teaching hospital Jaffna**
V Poorvajan, J Arulmoli, L Kamalarupan and V Jegapragash
- 1010 - 1030 hrs** **Refreshments**
- 1030 - 1045 hrs** **Prevalence of depression and associated factors among final year undergraduates in three health-related Faculties of University of Peradeniya, Sri Lanka**
RAYN Weerakkodi, TP Gamagedara and LS Nawarathna
- 1045 - 1100 hrs** **Parents' awareness about leisure time physical activity of children aged nine years in Kesbewa educational division, Sri Lanka**
SJMNN Premathilake, DA Lakmani, GVCLB Nanayakkara, WCM Karunathilaka, MNP Pathmani, RDUP Sugathapala and A Balasuriya
- 1100 - 1115 hrs** **Effects of tobacco smoking on haematological parameters among healthy adult population in Colombo District, Sri Lanka**
HMP Herath, SW Wimalasekera and AATD Amarasekera
- 1115 - 1130 hrs** **Comparison of cognition between obese and lean groups in middle-aged adults; results from selected MOH area, Colombo district, Sri Lanka**
PK Ariyasinghe, KPDR Kumara HDD Alexander SAHL Senarathna KSM Kasthuri, RDN Karunathilaka and SSP Warnakulasuriya
- 1130 - 1145 hrs** **Assessment of eating habits among undergraduates of Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University, Sri Lanka**
VGP Madushanki, GAMCI Abeykoon, RMNM Rathnayake, WMSW Weerasinghe, RDAAN Ranamuka, KGG Priyangika and TH Solomons
- 1145 - 1200 hrs** **Experiences of patients on natural herbal treatments for Diabetes Mellitus at the diabetes clinic in general hospital Matara**
ASJ Edussuriya, SYS Subhashini, KDS Amarasinghe, GSD Kumari, KMON Perera and KGPK Munidasa
- 1200 - 1210 hrs** **Summing up by the Chair**
- 1210 - 1300 hrs** **Lunch**

Technical session I; Parallel Session II Radiography and Physiotherapy

Venue: LL2, 4th Floor, Faculty of Medicine

Chairperson	Senior Professor TR Weerasooriya Department of Pre-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 - 0855 hrs	Knowledge, attitude and practice on first aid and safety measures regarding sports related injuries among school athletes in Anuradhapura educational zone LBL Prabodha and DP Fonseka
0855 - 0910 hrs	Risk factors related to low back pain among female nurses at district general hospital Chilaw and national institute of mental health, Angoda SS Priyadarshanie, PGN Nawodani, DLK Hewage, KMON Perera and BSS De Silva
0910 - 0925 hrs	Study of the widespread usage of ergogenic aids among Sri Lankan youth in districts of Colombo, Kandy, Galle and, Kurunegala DMSP Bandara, HNS karunarathna, KGS Manike and MN Wickramaratne
0925 - 0940 hrs	The relationship between strength and static endurance of trunk muscles in patients with chronic low back pain KRDM Fernando, RKKANM Kodithuwakku, MHKS Madurapperuma, TD Munasinghe and DHMBMP Thammita
0940 - 0955 hrs	Evaluation of age and sex related variations of apparent diffusion coefficient (ADC) values in corpus callosum of brain in Sri Lankan population DC Gamage, HMKS Herath, P Sathyathas and AS Pallewatte
0955 - 1010 hrs	Assessment of Correlation between Cobb's Angle and Hip Tilting on Standing Whole Spine Radiographs in Sri Lanka AL Abeyweera and P Sathyathas
1010-1015 hrs	Summing up by the Chair
1015-1030 hrs	Refreshments

Technical session II; Parallel Session I Medical Laboratory Sciences

Venue: LL1, 4th Floor, Faculty of Medicine

Chairperson	Senior Professor MH Rezvi Sheriff Department of 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 - 1325 hrs	The correlation between Body Mass Index (BMI) and serum uric acid of 20-25 aged healthy individuals MWAN Karunarathna, RARP Pemarathne, P Dias and AMB Priyadarshani
1325 - 1340 hrs	Comparative assessment of eGFR variants in CKD diagnosis: A study in Padaviya area of Sri Lanka ARN Silva, KIG Hewavitharana, GWGP Kumara, RH Karunarathna, PGCL Nanayakkara, KBS Gunawickrama, JKMB Jayasekara, RMKT Rathnayaka and SHNP Gunawickrama
1340 - 1355 hrs	Correction of haemolytic interference on Potassium measurement in pooled serum A Ajantha, K Kandeepan and V Kesavan
1355 - 1410 hrs	Evaluation of the interference of urea on creatinine measurement by Jaffe's kinetic method and enzymatic method in pooled serum P Deloshana, H Sivakumar and K Kandeepan
1410 - 1425 hrs	Prediction of fasting plasma glucose with non-invasive salivary glucose level and its correlation on diabetic patients attending diabetic centre at teaching hospital, B Jaikrishna, V Kesavan and K Kandeepan
1425 - 1440 hrs	Entomological thresholds for management of Dengue epidemic in Kandy District of Sri Lanka NWBAL Udayanga, PADHN Gunathilaka, MCM Iqbal, MAST Fernando and W Abeyewickreme

PROGRAMME

- 1440 - 1455 hrs** **The relationship between microalbuminuria and hyperlipidaemia in subjects with hypertension attending family practice centre, University of Sri Jayewardenepura**
GVD Chandramali, PHN Dilushi, GUS Wijesekara and S Samaranayaka
- 1455 - 1510 hrs** **The effect of in-vitro haemolysis on prothrombin time test results of patients taking warfarin and attending department of Haematology teaching hospital Jaffna**
A Fernando, R Ganesanathan, T Sooriyakumar and DU Kottahachchi
- 1510 - 1520 hrs** **Summing up by the Chair**
- 1520 - 1545 hrs** **Refreshments**

Technical session II; Parallel Session II Pharmacy

Venue: LL2, 4th Floor, Faculty of Medicine

Chairperson	Senior Professor RN Pathirana
	Department of Basic Sciences, Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University
1330 - 1335 hrs	Introduction of the chair
1335 - 1340 hrs	Preliminary remarks by the chair
1340 - 1355 hrs	Determination of antibacterial activity of <i>Madhuca longifolia</i> (Mee) WARD De Silva, TD Karunarathna, SD Kugaperumal, DNAW Samarakoon and TCDP Gunasekara
1355 - 1410 hrs	Evaluation of Antioxidant Activity of Leaf and Bark of <i>Craetiva religiosa</i> T Dilipan, K Kandeepan, S Thuvaragan and A Muruganathan
1410 - 1425 hrs	Synthesis and characterization of hydroxyapatite nanoparticles using blood plasma KDN Priyangika and TP Gamagedara
1425 - 1440 hrs	Anti-Inflammatory and Antioxidant Activity of the Methanolic Leaf Extract of <i>Cyclea peltata</i> (Lam.) Hook. f. Thoms <i>in vitro</i> CC Perera, SM Jayawardhane, SU Kankanamge, RN Pathirana and WD Rathnasooriya
1440 - 1455 hrs	Anti-Glycation and cross-linking inhibitory effects of <i>Curcuma longa</i>, <i>Jasminum officinale</i>, <i>Persia americana</i> and <i>Vernonia cineria</i> O Dheersekera and HKI Perera
1455 - 1510 hrs	A study of prescription patterns and cost of treatment of acne vulgaris in Kalutara district, Sri Lanka, and development of an extemporaneous Dapsone anti-acne topical solution BVS Bhagya, PWH Kumari, BMR Fernandopulle, DS Fernando and ADM Gunasekara

PROGRAMME

- 1510 - 1525 hrs** *In vitro* evaluation of antioxidant activity in methanolic leaf extract of *Magnolia figo*
TRL Peiris, PMKT Dharmatilake, BLC Samanmali, RN Pathirana and WD Ratnasooriya
- 1525 - 1540 hrs** Evaluation of in vitro antibacterial activity of aqueous extract of *Celtis timorensis* span leaves
SC Isurika, WMTA Wanninayake, ARN Silva, AWMKK Bandara and WD Ratnasooriya
- 1540 - 1600 hrs** Summing up by the Chair
- 1600 - 1630 hrs** Refreshments

Law

Technical Session I; Technology, Trade and Commerce Issues and Prospects in Law

Venue: Main Auditorium, Academic Building

Chairperson	Dr James Griffin Law School, University of Exeter
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0850 hrs	Quazi-Juristic Personality of Sole Proprietorships and Partnerships in Sri Lanka and Its Causes and Consequences SMAG Senevirathne
0850 - 0900 hrs	Humanizing the Business: A Legal Analysis on Business and Human Rights Law in the 21st Century WAC Perera
0900 - 0910 hrs	Drone Technology in Sri Lanka: Urgency for an Effective Legal Framework R Kulasekara and M Dissanayake
0910 - 0920 hrs	The Need to Move towards E-contracts for Sale of Goods: Drawbacks in the Legal System of Sri Lanka J Jeyakala
0920 - 0930 hrs	The 'Ultra Vires' Doctrine in Sri Lankan Corporate Law: A Judicial Schism? HD Jayaweera and HGS Rosairo
0930 - 0955 hrs	Question and Answer Session
0955 - 1000 hrs	Summing up by the Chair
1000 - 1030 hrs	Refreshments

Technical Session II

Law towards Social, Political and Economic Justice

Venue: Main Auditorium, Academic Building

Chairperson		Dr Chamila Talagala Faculty of Law, General Sir John Kotelawala Defence University
1030 - 1035	hrs	Introduction of the Chair
1035 - 1040	hrs	Preliminary Remarks by the Chair
1040 - 1050	hrs	Beauty or Beast: Necessity of having a Regulatory Mechanism on Cosmetic Surgery in Sri Lanka DL Abeyrathna
1050 - 1100	hrs	How Disconnected Is Disconnection?: A Critical Analysis of the Employee Right to Disconnect N Wanigasinghe
1100 - 1110	hrs	Nature of Employment and Labour Protection of the GI Producers in Sri Lanka: A Legal Perspective NKK Mudalige and LM De Silva
1110 - 1120	hrs	Doctors Writing Judgments or Judges Writing Prescriptions? A Critical Approach to Pitch the Two Extremes Expounded in Bolam and Bolitho Tests K Aviruppola
1120 - 1130	hrs	Banning Social Media for the Purpose of National Security; A Cry out for a Regulated Legal Mechanism to Monitor Social Media Platforms MASSS Gunasekara
1130 - 1155	hrs	Question and Answer Session
1155 - 1200	hrs	Summing up by the Chair
1200 - 1300	hrs	Lunch

Technical Session III: Human Rights Challenged? Legal Responses

Venue: Main Auditorium, Academic building

Chairperson	Dr Dayani Panagoda Senior Technical Specialist, Social Cohesion and Reconciliation Activity (SCORE)/ Global Communities - USAID
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1320 hrs	Flesh into Data; A South Asian Perspective on the Right to Privacy in the Biometric Context HMMC Herath and MSHV Eshan
1320 - 1330 hrs	Technological Advances in Warfare: Legal Challenges imposed by Remote Attacks, Advanced Weaponry Systems in International Humanitarian Law NHD De Silva
1330 - 1340 hrs	Recognition of 'Post Abortion Care' as a Fundamental Reproductive Health Right in Sri Lanka: A Legal Perspective AP Rathnayake
1340 - 1350 hrs	Right to water in a Humanitarian Perspective: A Comparative Legal Analysis between Sri Lanka and South Africa S Hirimuthugoda and VP Liyanage
1350 - 1400 hrs	Violence against Women: Interplay between International Humanitarian Law and Buddhism in Contemporary Conflict and Post-Conflict Situations H Rathnamalala
1400 - 1425 hrs	Question and Answer Session
1425 - 1430 hrs	Summing up by the Chair
1430 - 1500 hrs	Refreshments

Technical Session IV: Contemporary Challenges and Opportunities in Public Law

Venue: Main Auditorium, Academic building

Chairperson	Professor Arvind Jasrotia Department of Law, University of Jammu
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1520 hrs	The Man versus Wild Battle; an Analysis on Wilpattu Deforestation and Illegal Resettlement Projects TR De Silva
1520 - 1530 hrs	A Study of Wrongful Convictions and Imprisonment in Sri Lanka and United States of America EMN Perera
1530 - 1540 hrs	Let He who Pollutes Pay the Price: An Analysis of the Application of the Polluter Pays Principle in Sri Lanka, India and International Law YP Wijerathna and AA Edirisinghe
1540 - 1550 hrs	Unheeded Governance Leads to Falling off Ecosystems: Critical Analysis on Human Interactions with Nonhuman Organisms DP Aluthge
1550 - 1600 hrs	Legal and Policy Framework of School Corporal Punishment in Sri Lanka NR Mapalagama
1600 - 1625 hrs	Question and Answer Session
1625 - 1630 hrs	Summing up by the Chair
1630 - 1645 hrs	Announcement of best oral and poster presentation awards

Management, Social Sciences and Humanities

Technical Session I; Parallel Session I Challenges in Marketing and Entrepreneurship in the Face of Technologies

Venue: Mini Auditorium

Chairperson	Dr Dinesh Samarasinghe Head of the Department, Department of Management of Technology Faculty of Business, University of Moratuwa
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	Development of an Effective Framework for Social Entrepreneurship in Sri Lanka HN Abeydeera and DM Mudalige
0855 - 0910 hrs	A Study on Adopting Online Review Management as a New Strategy Beyond Traditional Media Marketing Tools: with Special Reference to TV Advertisements V Mahakumbura, D Sewwandi, T Liyange and MMLC Gunathilake
0910 - 0925 hrs	Determinants of Entrepreneurial Intentions of Students: with Special Reference to Undergraduates of Sri Lanka MMAT Kumari, SR Weerawarna, MMM Jayarathne and WDH De Mel
0925 - 0940 hrs	Factors Affecting Customers' Intention Towards the Adoption of Internet Banking SG Gunasinghe, GMMR Gamlath, NS Fernando and WDH De Mel
0940 - 0955 hrs	Question and Answer Session
0955 - 1005 hrs	Summing up by the Chair
1005 - 1030 hrs	Refreshments

Technical Session I; Parallel Session II

Challenges in Social Sciences in the Face of New Technologies

Venue: FDSS Conference Hall

Chairperson	Professor MG Kularathne Department of Economics, Faculty of Social Sciences, University of Kelaniya
0830 - 0835 hrs	Introduction of the Chair
0835 - 0840 hrs	Preliminary Remarks by the Chair
0840 - 0855 hrs	Comparative Study of Human Capital Investment between Government and International School Teachers in Sri Lanka: with Special Reference in Western Province – Colombo District AMI Gunarathna
0855 - 0910 hrs	Investigation of Debilitation of Tea And Technology Adoption in Small Holders in Mathugama Division in Kalutara District, Sri Lanka KGJP Mahindapala, SPAPK Jayarathna, HN Dayananda, H Jayaweera and MAH Nishanthi
0910 - 0925 hrs	The Impact of Transformations of Cultural Landscape on Social and Behavioural Patterns in Jaffna U Menalanan
0925 - 0940 hrs	Power-sharing, War Termination and Peacebuilding in Nepal IK Galagama
0940 - 0955 hrs	Question and Answer Session
0955 - 1000 hrs	Summing up by the Chair
1000 - 1030 hrs	Lunch

Technical Session II; Parallel Session I

Challenges in Management in the Face of Technologies

Venue: Mini Auditorium

Chairperson	Dr Renuka Herath Department of Marketing Management, Faculty of Commerce and Management Studies, University of Kelaniya
1030 - 1035 hrs	Introduction of the Chair
1035 - 1040 hrs	Preliminary Remarks by the Chair
1040 - 1055 hrs	Factors Affecting on Business Failure of 3PL Companies in Sri Lanka CSRB Refaie and UG Rajapaksha
1055 - 1110 hrs	Impact of Dimensions of Centralization Procurement System on Financial Performance: with Special Reference to Health Care Industry in Sri Lanka H Anuradha and UG Rajapaksha
1110 - 1125 hrs	Relationship Between Communication Satisfaction and Organizational Citizenship Behaviour Related to Communication WMRP Abeysinghe and HK Perera
1125 - 1140 hrs	Factors Impacting Green Entrepreneurial Intention among Small and Medium Enterprise Owners in Western Province, Sri Lanka B Ranasinghe and R Ajward
1140 - 1150 hrs	Question and Answer Session
1150 - 1200 hrs	Summing up by the Chair
1200 - 1300 hrs	Lunch

Technical Session II; Parallel Session II

Challenges in Social Sciences in the Face of New Technologies

Venue: FDSS Conference Hall

Chairperson			Dr (Mrs) GP Gamage Head of the Department, Department of Psychology and Counselling, The Open University of Sri Lanka
1030 - 1035	hrs		Introduction of the Chair
1035 - 1040	hrs		Preliminary Remarks by the Chair
1040 - 1055	hrs		Impact of Meditation on Suspects on Trial on Criminal Offences in Sri Lanka N Jayatillake S Siriwardena and A Nilukshika
1055 - 1110	hrs		Impact of Human Factors on Sport Performance across Different Developmental Stages of National Athletes in Sri Lanka KMSM Rathnayaka and AAL Madhushani
1110 - 1125	hrs		Effectiveness in Application of General Concept of Mindfulness (GCM) and the Buddhist Concept of Mindfulness (BCM) in Psychotherapeutic Interventions P Jayatilake and L Liyanage
1125 - 1140	hrs		Social Media Influence on Sri Lankan Young Adults' Sense of Self-Expression GNJ De Silva and T Gunawardena
1140 - 1150	hrs		Question and Answer Session
1150 - 1200	hrs		Summing up by the Chair
1200 - 1300	hrs		Lunch

Technical Session III; Parallel Session I Challenges in Management and Finance in the face of Technologies

Venue: Mini Auditorium

Chairperson	Professor C. Pathirawasam Department of Commerce and Financial Management, Faculty of Commerce and Management Studies, University of Kelaniya
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1325 hrs	Predicting the All Share Price Index (ASPI) of Colombo Stock Exchange on Macro Economic Variables and Exogenous Factors DPPN Peiris and GP Lakraj
1325 - 1340 hrs	The Impact of Board Characteristics on Level of Sustainability Disclosure: Evidence from Listed Companies of Sri Lanka ADM Dissanayake and AR Ajward
1340 - 1355 hrs	Whether Corporate Social Responsibility is Used to Cover- up Earnings Management Practices? An Empirical Study on Listed Manufacturing Companies in Sri Lanka TDSH Dissanayake and AR Ajward
1355 - 1410 hrs	Influence of Market Power on Leverage of Listed Manufacturing Companies in Sri Lanka RAS Rajapaksha and MDP Kawshalya
1410 - 1425 hrs	A Comparative Study on Employee Motivation and Generation of Knowledge Workers: with Special Reference to Academic Staff of Newly Established National Universities in Sri Lanka KAMS Kodisinghe
1425 - 1435 hrs	Question and Answer Session
1435 - 1440 hrs	Summing up by the Chair
1440 - 1500 hrs	Refreshments

Technical Session III; Parallel Session II Challenges in Language and Linguistics in the Face of Technologies

Venue: FDSS Conference Hall

Chairperson	Professor EA Gamini Fonseka Senior Professor in English, Department of English and Linguistics, University of Ruhuna
1300 - 1305 hrs	Introduction of the Chair
1305 - 1310 hrs	Preliminary Remarks by the Chair
1310 - 1325 hrs	Are They Really Poor Spellers? A Socio-psycholinguistic Study on Sinhala Spelling Errors of Visually Impaired Language Learners R Handapangoda
1325 - 1340 hrs	The Use of Sri Lankan English in Sri Lankan Fictions: A Morphological Analysis NP Wickramage, ATC Maheesha and PS Madhurangi
1340 - 1355 hrs	Sri Lankan English Teachers' Attitudes and Perceptions Towards Sri Lankan English H Pravini
1355 - 1410 hrs	Morphological Processes of Sri Lankan English in Four Sri Lankan Short Stories APB Athapaththu, SUJ Hettiarachchi and WADDU Wickramasinghe
1410 - 1425 hrs	Question and Answer Session
1425 - 1430 hrs	Summing up by the Chair
1430 - 1500 hrs	Refreshments

Technical Session IV; Parallel Session I Challenges in Logistics and Transport in the face of Technologies

Venue: Mini Auditorium

Chairperson	Professor Saman Bandara Department of Civil Engineering, Faculty of Engineering, University of Moratuwa
1500 - 1505 hrs	Introduction of the Chair
1505 - 1510 hrs	Preliminary Remarks by the Chair
1510 - 1525 hrs	Assessing the Determinants Affect Hambantota District Public Transportation Users When Selecting a Travel Route: a Contemporary Survey Based on Southern Expressway (E001) and Normal Route (A02) MA Nilukshika, HASA Vidushanka and ND Jayarathne
1525 - 1540 hrs	Assessing the Determinants that Affect the Choice of Personal Rapid Transit (PRT) in Colombo City SMDW Manike, Viraji Waidyasekara and MA Nilukshika
1540 - 1555 hrs	The Estimation of Weight of Factors Influencing Bus Transit Service Quality: Evidence from KDU Commuters AHS Sharic, MMKRM Kulathunga, MTD De Silva and SSP Arambawela
1555 - 1610 hrs	Identified Research Gaps in HR Analytics RN Gurusinghe, BJH Arachchige and NWKDK Dayarathna
1610 - 1620 hrs	Question and Answer Session
1620 - 1630 hrs	Summing up by the Chair

Technical Session IV; Parallel Session II Challenges in Language Teaching in the Face of Technologies

Venue: FDSS Conference Hall

Chairperson

Dr. Sujeewa Sebastian Pereira

Department of English and Linguistics, University of Sri Jayewardenepura

- | | | |
|--------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1500 - 1505 | hrs | Introduction of the Chair |
| 1505 - 1510 | hrs | Preliminary Remarks by the Chair |
| 1510 - 1525 | hrs | Metacognitive Strategy Instruction for Reading Comprehension Skills: An Investigation on an Advanced Level ESL Classroom of a Public School in Kegalle Education Zone
UC Wickramage |
| 1525 - 1540 | hrs | Identifying the Reading Habits among Secondary School Students in Northern and Eastern Provinces in Sri Lanka
W Sunil and AKU Gunasekara |
| 1540 - 1555 | hrs | Blending Varied Concepts: Is It Effective in ESL Writing Class?
IHS Fernando and M Perera |
| 1555 - 1610 | hrs | The Influence of English as a Second Language on Learning German as a Foreign Language
SP Wijethilake |
| 1610 - 1620 | hrs | Question and Answer Session |
| 1610 - 1620 | hrs | Summing up by the Chair |

POSTER PRESENTATIONS

Engineering

Autonomous System for Home Gardening and Green House Farming Using Computer Numerical Control

AMC Priyashantha, EMNDM Ekanayaka, TBSV Bandara, MWPN Mettananda and AKG Weerasekara

Intelligent Security Robot for Infrastructure Security: WATCHMATE

AMC Priyashantha, BARS Bamunusinghe, EMDL Ekanayake, RMC Nilushan, WBMR Jayaweera and VS Palihawadana

Determining the Magnetization Characteristic of a Three-Phase Star-Star Transformer Using Inrush Current Waveforms

IU Jalthotage, CD Aluthge, KDOV Dharmawardene, KAL Wijeratne, and JR Lucas

Modelling, Simulations and Prototyping of Oral Physiotherapy Device for OSF and TMJ Rehabilitation

KJC Kumara, HN Geelaka, P Peiris and R Jayasinghe

Develop a Method to Calculate the Muscle Resistivity of Pitchers in Baseball

HMUKK Herath and PP Weerakkody

Assessment of Occupational Health and Safety Risks Faced by Workers in Road Construction Industry in Sri Lanka

MRR Saraf and MD Rathnayake

Evaluating the Pedestrian Behaviour at Uncontrolled Mid-Block Pedestrian Crossings

JAD Weerasinghe and TWKIM Dias

Don's Theory on Aerodynamic Lift

KGDN Jayasinghe

Design of a New Aircraft Wing Inspired by the Magnificent Frigate Bird

KKSP Upasena, UI Weerathunga, JI Abeygoonewardena and RMPS Bandara

Built Environment and Spatial Sciences

An Assessment of the Official Languages Proficiency Bar Examination for Public Officers

PDD Wickramasinghe

An Analysis of the Challenges for Implementation of Building Information Modelling in Sri Lankan Construction Industry

EHLS Chandrarathne, PAK Rumalka, MLSU Liyanage, WNL De Soysa and SGS Karunanayake

Expansion of a Cohesive Appliance for a Cost Effective Road Construction Process Using Lean Constructions

SGS Karunanayake and HSR Ananda

Elements of Urban form in defining the elements of Collective cognitive map, with special reference to Maharagama, Sri Lanka

PDJD Premaratne and MLNH Premarathna

Possibilities of Using Bamboo as a Building Material for Permanent Structures

HMYM Abeywardhane and DWK Gayantha

Error Analysis for Volume Calculations Using Spot Reduced Levels

HKK Karunaratne, GC Rathnayake, GI Wanasinghe and DR Senarathna

Review of Impacts on Coastal Zone Due to Poor Riverine Flood Controlling Mechanism: A Case Study in Kalutara Coastal Zone, Sri Lanka

GP Gunasinghe, KA Dinusha, NP Ratnayake, GVI Samaradivakara, AS Ratnayake, HMR Premasiri and L Ruhunage

Modification for End Area Rule Used in Volume Calculation of Highway Pavements

GI Wanasinghe, HKNA De Silva, PG Thennakoon and KWGIM Kalugamuwa

Change Detection in Land Surface Temperature Using Remote Sensing and GIS Techniques: A Case Study of Biyagama

MKC De Silva, AR Rupasinghe and KA Dinusha

Development of an Algorithm to Identify the Locations of Flood Victims Using Digital Image Processing

JMI Karalliyadda, KA Dinusha and RGUI Meththananda

Computing

A Comparative Study of Private and Public Sector E-banking in Sri Lanka: Analysis of Critical Success Factors

WPHN Weerasinghe, EMNK Ekanayake, WWMNSB Wijekoon, RPS Katthriarachchi, WAAM Wanniarachchi and WMSRB Wijyaratna

User-Level Security for Image Transferring in Mobile Devices

ANJA De Silva and T Arudchelvam

Automated Methods to Identify Snake Species in Sri Lanka: A Review

SB Abayaratne, WMKS Ilmini and TGI Fernando

Design and Implementation of a Novel Method for Freelancer Bids Ranking

WGS Lakshitha and RL Dangalla

Breast Cancer Detection Using Convolutional Neural Network

PKC Vinodi, WPJ Pamarathne, WMKS Ilmini and G Senanayake

Emotion Recognition Through Classification Based on EEG Signals and Heart-Rate Variability

TS Thalagala and LP Kalansooriya

Driver Drowsiness Detection Methods

KADUE Athukorala and N Wedasinghe

Projector Display Control via Gesture Detection Using Raspberry Pi

HMRK Miyuranga and DMR Kulasekara

Greenhouse Automation with Artificial Intelligence and Industry 4.0 Integration

B Senavirathne and CT Gunarathne

Hand Gesture Recognition and Voice Conversion System for Dumb People: Sri Lanka Military

FK Shanaka and RPS Kathriarachchi

Effective Web Based Paperless Meeting Management Process for University Systems in Sri Lanka

MPL Perera and DU Vidanagama

Automated Rainwater Harvesting with Internet of Things to Enhance Water Efficiency, Especially for Domestic Use

AMI Umayangani and RL Dangalla

A Design of a Performance Appraisal System for Apparel Manufacturing Industry in Sri Lanka

WADC Canishka and N Wedasinghe

Effect of the Address Resolution Protocol (ARP) Spoofing Attacks on Web Real-Time Communication

AL Dhananjaya, K Gunawardhana and RL Dangalla

Personalized Adaptive E-Learning System - Mitigating the Risk of Rashomon Effect Occurrence in Higher Education

BMTN Rathnayaka and CM Sirisuriya

Industry 4.0: ERP and Shop Floor Integration with Manufacturing Execution System (MES) in Sri Lankan Manufacturing Organizations

I de Silva, BMTN Rathnayaka and B Senavirathne

Prediction of Diabetes Using Data Mining Technique: A Review

MWNL de Silva and DU Vidannagama

Integrating Smart Transportation System for a Proposed Smart City- A Context in Sri Lanka

HKSK Hettikankanama and S Vasanthapriyan

Economical and Environmental Friendly Holiday Home Site Identification Using GIS: Case Study of Selecting Suitable Land to Build a Holiday Resort in Hikkaduwa Area

DMW Panditha and RMM Pradeep

Desktop Application for Data Encryption on Google Drive

RGK Upeksha and PPNV Kumara

Designing a Mobile Application for Dyslexic Children

KUGN Uththara, SCM De Silva, S Sirisuriya and N Wedasinghe

Smart Water Reading System using GPS Technology

HMGKC Bandara, DMR Kulasekara and B Hettige

Market Basket Analysis: A Profit-Based Product Promotion Forecasting

HYS Samarasinghe, WJ Samaraweera and CP Waduge

Rice Smart: Web-Based Multi-agent Communication Platform for Rice Production

MWG Jayampath and B Hettige

Fashion Designing Website Featuring Augmented Reality for Sarees

T Wijesinghe, DMR Kulasekara and W Gunathilake

Medicine

Hyperhaemolysis Syndrome in a Patient with Delta-beta Thalassemia

HGCS Karunathilaka, B Jayaratne and KVOT Kekulawala

Ordering of Routine Preoperative Tests for Elective Surgery at the University Hospital, KDU (UHKDU): Compliance with National Institute for Health and Clinical Excellence (NICE) Guideline on Routine Preoperative Tests (Update) 2016 (NG45)

PTR Makuloluwa, KMD Nadeeshani, SNE Jayatissa, DWGSC Alukumbura, MID Perera, DSM Perera and BP Kudavidanage

Species Composition of Medically Important Mosquitoes in Selected Areas of Kurunegala, Gampaha, Kegalle and Kandy Districts in Sri Lanka

HAK Ranasinghe, LD Amarasinghe and PADHN Gunathilaka

Does Resistant Starch Content Vary with Processing? : A Study with Selected Traditional Rice Varieties of Sri Lanka

TPAU Thennakoon and S Ekanayake

Death of a Girl Due to Meningitis With a History of One-Day Fever –A Rare Presentation

BP Wijesinghe and SR Hulathduwa

Intermediate Fidelity Simulation to Learn Emergency Management: Views of Medical Undergraduates in a Metropolitan University in Sri Lanka

KG Kodikara, WCD Karunaratne and MN Chandratilake

Death Following Laparoscopic Cholecystectomy: Foreseeable Complications and Vicarious Liability

HTDW Ariyaratne and SR Hulathduwa

Postoperative Pain Service at the University Hospital, KDU: Review of Strengths and Weaknesses of Analgesic Practices with a View to Improving Quality and Safety

PTR Makuloluwa, MKH Peiris, RPAN Ariyadasa, WADDT Rathnasekara and NP Edirisinghe

Sociodemographic Characteristics of Delusional Jealousy in Help-seeking Clinical Population in Sri Lanka

MKOK De Silva, IH Rajapakse, M Rajasuriya and NFJ Fernando

Analysis of Blood Usage in Elective Surgical Procedures in a District General Hospital, Sri Lanka: Step Towards Maximum Surgical Blood Ordering Schedule (MSBOS)

TI Withanawasam

Point Prevalence Survey on Antibiotic Use and Hospital Acquired Infections in a District General Hospital

WMID Nakkawita, PM Senanayake and OWD Pushpakumari

Study on Psychosocial Issues Related to Extramarital Relationships among Junior Sailors and Senior Sailors in Sri Lanka Navy

KAC Karunarathna, PVGS Kumara, WASA Weerasinghe and NDK Priyadarshani

Basic and Applied Sciences

Analysis of job-education mismatch transitions in Sri Lanka: A pilot study

RANM Pemathilake, UP Liyanage and L Ranasinghe

The effect of anthropometric variables and percent body fat on bowling speed of fast bowlers in Sri Lanka armed forces

LKL Silva, DA Jayakody and S Weerasinghe

Single metal and mixture toxicity of Cd²⁺ and Zn²⁺ to a microalga (*Chlorella* spp.) isolated from a water body receiving industrial effluent

DGNS Senevirathne and IVN Rathnayake

Activity of several endophytic fungal extracts from Sri Lanka against *Staphylococcus aureus*; an in-silico assessment

RDUS Deshapriya, DLS Dinuka, CN Ratnaweera and PB Ratnaweera

The effect of mobile phone radiation on the bacterial fauna in the external ear of healthy adults

MB Munasinghe and PPKM Gamage

In vitro assessment of seed germination and early seedling growth of Sri Lankan tomato varieties (*Lycopersicon esculentum*) under salt stress conditions

PP Jayasinghe and R Wimalasekara

Product development and quality assessment of pearl millet based high calorie biscuit

PY Ransilu, HAHM Mahanama, R Pitipanaarachchi, AMCU Binduhewa, MGDS Perera D Jayawardhana, MDW Samaranayake, HMT Herath and IGN Hewajulige

Effect of eight-week plyometrics training in attacking of volleyball

RDAM Somarathna KRDC Rathnamudali and S Jeganenthiran

Effect of fundamental motor skills on physical literacy of Sri Lankan grade 4-6 children (Special reference: physical literacy model)

TADN Gnanarathna, S Jeganenthiran and S Sabaananth

Determination of the fatty acid composition of the liver oil from Sting ray fish (*Dasyatis sephen*) captured from west coast of Jaffna peninsula in Sri Lanka

D Sathees, JK Vidanarachchi and SMC Himali

Rationalizing the classical koshland retention mechanism of linamarin hydrolysis with transition state modelling using quantum mechanics

DLS Dinuka and CN Ratnaweera

Comparison of AIC, BIC and AICC in autoregressive order 1 time series models

AWSP Karunaratne and AP Hewaarchchi

The effect of common pre-treatments and cooking techniques on the antioxidant capacity of Chickpea (*Cicer arietinum*), Cowpea (*Vigna unguiculata*) and Green gram (*Vigna radiata*)

HPP Perera, DWMMM Kumari, WAGE Wijelath and RMISK Senavirathna

Effects of waterborne diclofenac on guppy (*Poecilia reticulata*): behavioural, histopathological, developmental and haematological approach under chronic laboratory exposure

DMF Rifkana, SHNP Gunawickrama and KBS Gunawickrama

A cross-sectional study on doping knowledge of national sports team athletes in Sri Lanka

DSL Perera, KC Gunasekara and S Weerasinghe

Estimation of economic burden caused by influenza using an insurance based probabilistic model

MSH Perera and SSN Perera

Development and validation of an effective and efficient UV spectroscopic in-house method to determine DHA / EPA level as a mixture in soft gelatine capsule (medicament)

AAM Sewwandi, HSM Soysa and HT Bhoir

Evaluation of Delvocid in-cooperated antimicrobial edible coating made from the Whey protein Isolate base to improve the shelf life of Swiss cheese

EDJP Siriwardana and I Wijesekara

Introducing a cluster based concept to portfolio selection from Colombo Stock Exchange(CSE)

MSMS Kumara and UP Liyanage

Human element of the Ceylon Cinnamon value chain: functions and role

CK Amadoru, BMRL Basnayake, DAM De Silva

Allied Health Sciences

Assessment of Participation in Continuous Nursing Education among Nurses Working in National Hospital of Sri Lanka

WMTKK Wijekoon and MKDL Meegoda

Effectiveness of Pre - education Intervention on Patients Undergoing Coronary Angiogram

GK Iresha, KMP Inoka, SMD Nawarathna, EAD Maheha, RAND Ranaweera and KGP Munidasa

Effect of Occupational Stress on Blood Pressure of Police Officers

IK Keerthirathne, A Rathnayake and G Abeywardena

Knowledge towards Elderly Care among Nursing Undergraduates at KDU, Sri Lanka

LPGI Liyanage, KLKTD Sandharenu, HPJH Jayaneththi, AGLN Thilakarathne, RGMSD Wijewardhana, HSMSK Wijesiri and A Balasuriya

Student Nurses' Attitudes and Perceptions Towards People with Mental Illnesses

HMPCK Ranaweera, VS Rathnasekara, PKNK Pathiraja, KA Kanthi, RMA Chamika and PWGDP Samarasekara

An Alternative Growth Medium for Identification of Candida Albicans using Germ Tube Formation under Optimum Conditions

H Gamage, R Wijendra, C Perera, N Ranadeva and M Weerasekera

Comparative Analysis of Urinary Total Proteins by % Sulfosalicylic Acid Method and Pyrogallol Red Dye Binding Method

UT Maheshika, DHP Ekanayake, EMS Bandara and I Uluwaduge

Association of Diabetes Mellitus on the Development of Oral Candidiasis

RMRC Wijesuriya, KSD Dias, RGTE Wijesinghe, U Bulugahapitiya, NS Chandrasiri, JKMB Jayasekara and C Karunarathne

Preliminary study on change in concentration of Aspartate Transaminase in blood with storage time and temperature

GRDM Abewickrama, APKM Amali, GUS Wijesekara, EMS Bandara and S Samaranayake

Patients' Expectations and Satisfaction Levels on Pharmacy Services; A Study at a Teaching Hospital, Sri Lanka

JAL Anjalee, V Rutter and NR Samaranayake

Factors Affecting the Service Quality of National Medicine Regulatory Authority of Sri Lanka: Customers' Perspective

TVKY Malaka, IK Ariyadasa, SU Kankanamge, K Jayasinghe and UTN Senaratne

Factors Related to Non-compliance of Treatment Among Chronic Kidney Disease Patients

RPEASN Jayarathna, MAWP Munasinghe, WALD Amarasinghe, YMCSK Gunathilaka, KID Fernando and WN Priyanthi

Evaluation of Anti-inflammatory Activity of the Essential Oil of *Alpinia Calcarata* Rosc. Rhizome and Formulation of Topical Dosage Form

NMM Fazlan, P Karthikeyan, WJABN Jayasuriya, LDAM Arawwawala and TS Suresh

Hypoglycaemic Activity of *Bunchosia armeniaca* (Cav.) DC. Fruits in Normoglycaemic Wistar Albino Rats

DIK Agalawatta, NL Hettige, BAUK Hemachandra, RN Pathirana, WAC Karunarathne, AK Chandana

Effect of Eight-week Aerobic Exercise Programme on Diabetic Patients in Balangoda Division

MRMA Jayasinghe and S Sriharan

Exploration of Women's Experiences After Total Knee Replacement

ANDS Wickramanayake, HPGCT Jayasena, WGCL Gunasekara, ABNU Hemachandra, LYSS Kumari and EWAIM Siriwardana

Comparison of the Effectiveness of Ischemic Compression, Dry Cupping and Combined Therapy for Treating Myofascial Trigger Points

GWCR Withanage, Xu Qun, Xieling Fen, LRND Weerathna, Xia Nan and Cheng Hong

Law

Local Democracy: The Reality of the Electoral System of Local Authorities in Sri Lanka

Selvaraj Puwanitha

The Legal Implication of the recent Ban on Social Media in Sri Lanka after the Easter Sunday Attacks

AS Malsha and WACHK Wansatilake

The Necessity of the Cyber Privacy Law to Enhance the Economic Growth in Sri Lanka

P Supasini and B Soorya

The Right to an Informed Decision and its Lagging Legal Protection

Upeka Premaratne

Let them Dutifully Maintain their Parents: An Over-view of the Reciprocal Rights of a Parent to be Maintained by their Offspring under Sri Lankan Legal System

S Janani

Management, Social Sciences & Humanities

Impact of Capital Structure on Market Value of Listed Beverage, Food and Tobacco Companies in Sri Lanka

R Mithushana and SPTJ Kevin

Assessing the Determinants of Passenger Perception Towards “Touch Travel Pass” for Bus Ticketing, as a Service Quality Improvement in Bus Transportation, by the Passengers Using “77”, “8” and “” Bus Routes

DKS Vihanga, L Ranwala and DN Hewage

Factors Affecting the Inventory Management of Listed Manufacturing Companies in Sri Lanka

JMN Wijekumara and PMS Kumara

Spatial and Temporal Land Use Changes in South Western Coastal Belt in Sri Lanka: with Special Reference to Hikkaduwa Divisional Secretariat

HAS Arunashantha

Impact of Social Media on the Academic Performance of University Students

LN Liyanage