



13TH INTERNATIONAL RESEARCH CONFERENCE

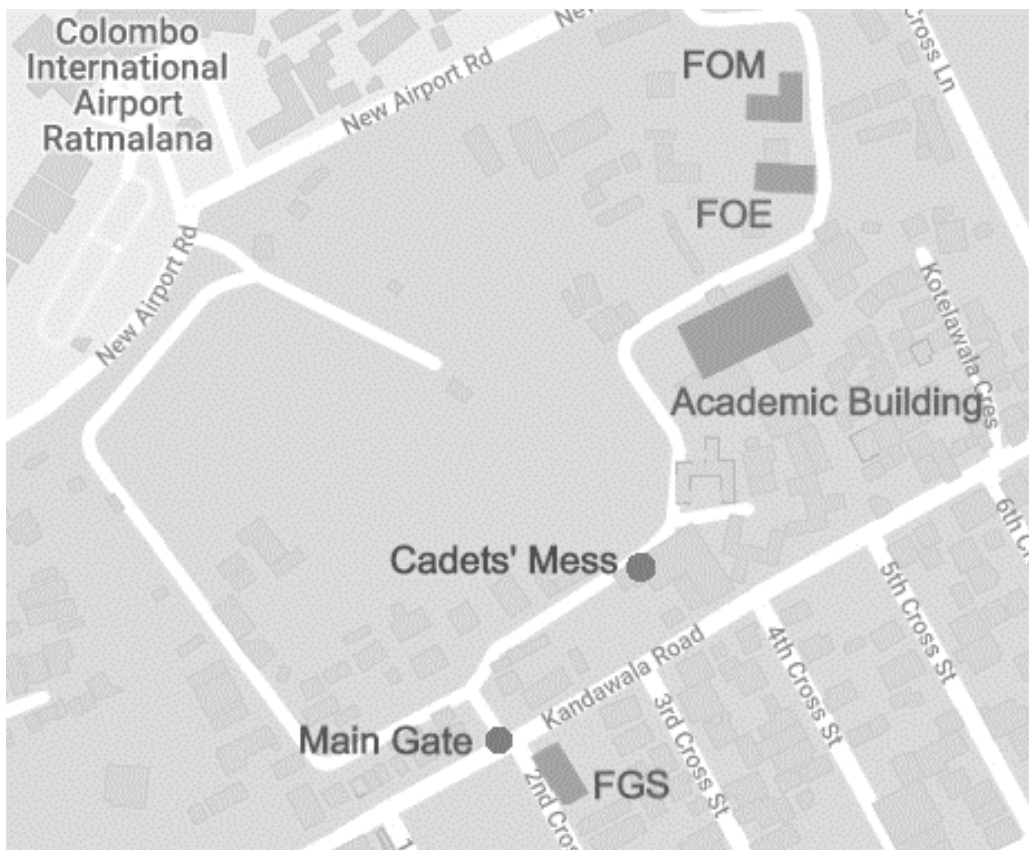
Holistic Approach to National Growth and Security

Programme Book



General Sir John Kotelawala Defence University Ratmalana, Sri Lanka.

KDU MAP



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CONFERENCE SCHEDULE

Day 01: 15th of October 2020

0800 – 0830 hrs	Registration
0830 – 1000 hrs	Inaugural Session
1000 – 1030 hrs	Refreshments
1030 – 1300 hrs	Plenary Session Defence and Strategic Studies I
1300 – 1400 hrs	Lunch
1400 – 1600 hrs	Plenary Sessions Defence and Strategic Studies II Medicine Engineering Management, Social Sciences and Humanities Law Allied Health Sciences Built Environment and Spatial Sciences Computing Basic and Applied Sciences
1600 – 1630 hrs	Refreshments
1630 – 1800 hrs	Evaluation of Poster Presentations

CONFERENCE SCHEDULE

Day 02: 16th of October 2020

0830 – 1000 hrs	Technical Session
1000 – 1030 hrs	Refreshments
1030 – 1200 hrs	Technical Session
1200 – 1300 hrs	Lunch
1300 – 1430 hrs	Technical Session
1430 – 1500 hrs	Refreshments
1500 – 1630 hrs	Technical Session
1630 – 1645 hrs	Certificate Awarding Ceremony for Best Oral and Poster Presentations

INAUGURAL SESSION

VENUE: Auditorium - Faculty of Graduate Studies (FGS)

0730 – 0830 Hrs	Registration
0845 – 0850 Hrs	Arrival of Chief Guest
0850 – 0900 Hrs	Inauguration
0900 – 0915 Hrs	Welcome Address Major General Milinda Peiris RWP RSP VSV USP ndc psc MPhil (Ind) PGDM Vice Chancellor – General Sir John Kotelawala Defence University Introduction of the Chief Guest
0915 – 0930 Hrs	Speech of the Chief Guest Hon Prof GL Peiris Minister of Education Introduction of the Keynote Speaker
0930 – 0950 Hrs	Keynote Speech Professor Kapila Perera Secretary – Ministry of Education
0950 – 1000 Hrs	Vote of Thanks Dr Pradeep Kalansooriya Conference Chair – IRC 2020
1000 – 1015 Hrs	Group Portrait
1015 - 1030 Hrs	Refreshments

Plenary Sessions

DEFENCE AND STRATEGIC STUDIES – I

Theme: Holistic Approach to National Growth and Security

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Admiral Professor Jayanath Colambage RSP VSV USP rcds psc The Secretary of the Ministry of Foreign Affairs.
1030 – 1035 Hrs	Introduction of the Chairperson
1035 – 1040 Hrs	Preliminary Remarks by the chairperson
1040 – 1055 Hrs	Maj Gen P R Wanigasooriya VSV USP ndu USACGSC Comdt Sri Lanka Army Volunteer Force
1055 – 1110 Hrs	Air Marshal Diptendu Choudhury AVSM VM VSM Comdt NDC India
1110 – 1125 Hrs	Prof. Rohan Gunaratna Professor of Human Studies, Nanyang Technological University, Singapore
1125 – 1140 Hrs	Maj Gen Asif Ali, Hilal-E-Imtia DG (ISSRA) Pakistan
1140 – 1155 Hrs	Dr Rong Ying Vice President CIIS
1155 – 1210 Hrs	Dr S M Junaid Zaidi Executive Director COMSATS University - Pakistan
1220 – 1240 Hrs	Question and Answer Session
1240 – 1250 Hrs	Summing Up by the Session Chair
1250 – 1320 Hrs	Lunch

DEFENCE AND STRATEGIC STUDIES – II

Theme: Holistic Approach to National Growth and Security

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

Chairperson	Senior Professor Amal Jayawardene Department of Strategic Studies, Faculty of Defence and Strategic Studies, KDU.
1330 – 1335 Hrs	Introduction of the Chairperson
1335 – 1340 Hrs	Preliminary Remarks by the chairperson
1340 – 1355 Hrs	Rear Admiral Y N Jayarathne RWP RSP USP psc DGO SL Navy
1355 – 1410 Hrs	Dr Sara De Silva Asst Prof - Abu Dhabi University
1410 – 1425 Hrs	Maj Gen (Retd) Dr Shahid Ahmad Hashmat Former Pakistan High Commissioner to Sri Lanka
1425 – 1440 Hrs	AVM Andrew Wijesuriya Director General Engineering SLAF
1440 – 1455 Hrs	Shafqat Munir Head of Bangladesh Centre for Terrorism Research
1455 – 1510 Hrs	Prof Harsh V Pant Observer Research Foundation - India
1510 – 1525 Hrs	AVM Rana Anees Latif Director General – NORIIC –Pakistan
1525 – 1600 Hrs	Question and Answer Session
1600 – 1610 Hrs	Summing Up by the Session Chair
1610 – 1630 Hrs	Refreshments
1630 – 1730 Hrs	Evaluation of Poster Presentations

MEDICINE

Theme: Rational Investment on Health for National Growth, Safety and Security

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

Co - Chairpersons	Prof. Rohini Senevirathne Department of Para Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
	Prof. Rizvi Sheriff Department of Clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University
1400 – 1405 Hrs	Introduction of the Chairperson
1405 – 1430 Hrs	Major General (Dr) SH Munasinghe Secretary, Ministry of Health and Indigenous Medical Services
1430 – 1455 Hrs	Col (Dr) Saveen Semage Consultant Community Physician, Deputy Director Sri Lanka Army Preventive Medicine and Mental Health Services
1455 – 1520 Hrs	Dr. Anada Wijewickrama Consultant Physician, National Institute of Infectious Disease
1520 – 1545 Hrs	Prof. Neelika Malawige Head of the Department, Department of Immunology and Molecular Medicine, Faculty of Medical Sciences, University of Sri Jayawardanapur
1545 – 1550 Hrs	Questions and Answer Session
1550 - 1600 Hrs	Summing up by the Chair
1600 – 1630 Hrs	Refreshments
1630 – 1730 Hrs	Evaluation of Poster Presentations

ENGINEERING

Theme: Ensuring National Growth and Security through Engineering
Innovation

Venue: FOE 4-2 – 4th floor, Faculty of Engineering

Chairperson	Senior Professor JR Lucas Department of Electrical, Electronic and Telecommunication Engineering, Faculty of Engineering, General Sir John Kotelawala Defence University
1400 – 1405 Hrs	Introduction of the Chairperson
1405 – 1430 Hrs	Professor JB Ekanayaka Department of Electrical and Electronic Engineering, University of Peradeniya
1430 – 1455 Hrs	Professor Ranjith Dissanayake The Secretary, State ministry of Rural Road and other Infrastructure
1455 – 1520 Hrs	Professor Biswa Bhattacharya IHE Delft Institute for Water Education, The Netherlands
1520 – 1545 Hrs	Professor Karm Veer Arya ABV – IITMMM, India
1545 – 1550 Hrs	Questions and Answer Session
1550 - 1600 Hrs	Summing up by the Chair
1600 – 1630 Hrs	Refreshments
1630 – 1730 Hrs	Evaluation of Poster Presentations

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Theme: National Growth and Security towards Social and Human Capital Development

Venue: 2HC – 2ndFloor, Academic Building

Chairperson	Professor Sanath Dhammika Department of Human Resource Management, Faculty of Commerce and Management Studies, University of Kelaniya
1400 – 1405 Hrs	Introduction of the Chairperson
1405 – 1430 Hrs	The Social Sciences and Humanities in an Era of Technological Change Professor Harshana Rambukwella Director, Postgraduate Institute of English, Open University of Sri Lanka
1430 – 1455 Hrs	Corporatization of the University and Implications for the Humanities & Social Sciences Dr. Vagisha Gunasekara Senior Lecturer, Department of Social Studies, Faculty of Humanities and Social Sciences, Open University of Sri Lanka
1455 – 1520 Hrs	Seaport and Logistics Sector Contribution towards Social and Human Capital Development in Sri Lanka Mr. D. Upali De Soyza Additional Managing Director(Rtd), Sri Lanka Ports Authority
1520 – 1545 Hrs	Extinction Governance and Accountability: Implementing a Species Protection Action Plan for the Financial Markets Professor Jill Atkins Chair in Financial Management, Management School, University of Sheffield, The United Kingdom
1545 – 1550 Hrs	Questions and Answer Session
1550 - 1600 Hrs	Summing up by the Chair
1600 – 1630 Hrs	Refreshments
1630 – 1730 Hrs	Evaluation of Poster Presentations

LAW

Theme: The Role of Law in National Growth and Security

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	His Lordship Jayantha Jayasuriya PC Chief Justice
1405 – 1410 Hrs	Introduction of the Chairperson
1410 – 1430 Hrs	Sri Lanka, Its National Security and the Law His Lordship Yasantha Kodagoda PC Justice of the Supreme Court
1430 – 1450 Hrs	The Rule of Law in the Globalized Society Mohan Peiris PC Former Chief Justice
1450 – 1510 Hrs	Holistic Approach to National Growth and Security: A Global and Local Perspective Dr Charika Marasinghe Senior Consultant in Human Rights and Child Rights; Former Senior Lecturer, Faculty of Law, University of Colombo; Former Deputy Chairperson, National Child Protection Authority
1510 – 1530 Hrs	The Need to Strengthen the Legal Framework to Ensure Security Concerns Rear Admiral (Retd.) Shavindra Fernando PC Deputy President, Bar Association of Sri Lanka; Former Additional Solicitor General; Former Judge Advocate General, Sri Lanka Navy
1530 – 1550 Hrs	Questions and Answer Session
1550 – 1600 Hrs	Summing up by the Chair
1600 – 1630 Hrs	Refreshments
1630 – 1730 Hrs	Evaluation of Poster Presentations

ALLIED HEALTH SCIENCES

Theme: Sustainable and Innovative Healthcare Approach to Strengthen the National Health Security

Venue: LL1 – 4th Floor, Faculty of Medicine

Chairperson	Senior Prof. Mirani V. Weerasooriya Department of Parasitology, Faculty of Medicine, University of Ruhuna
1400 – 1405 Hrs	Introduction of the Chairperson
1405 – 1425 Hrs	Physiological Cardiac Remodeling: An exploration of its contribution towards an optimum athletic performance Professor Sudarshani Wasalathanthri Department of Physiology, Faculty of Medicine, University of Colombo
1425 – 1445 Hrs	Our strengths and weaknesses of education for research, innovation, and sustainable development Professor Chulananda Goonasekera Consultant Anaesthetist, Department of Anaesthesia, King's College Hospital, London
1445 – 1505 Hrs	The mean glandular dose (MGD) Japan DRLs 2020 Associate Professor Toru Negishi Department of Radiological Sciences, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Japan
1505 – 1525 Hrs	Impact of clinical pharmacy services on optimizing medicines management; Making it a reality in Sri Lanka Dr ACM Fahim Head, Department of Pharmacy, Faculty of Allied Health Science, University of Peradeniya
1525 – 1555 Hrs	Questions and Answer Session
1555 - 1600 Hrs	Summing up by the Chair
1600 – 1630 Hrs	Refreshments
1630 – 1730 Hrs	Evaluation of Poster Presentations

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Theme: Beyond Territories: Touching the Built Space Holistically

Venue: LT01 - 3rdFloor, Faculty of Medicine

Chairperson	Prof. Samitha Manawadu Faculty of Architecture, University of Moratuwa
1400 – 1405 Hrs	Introduction of the Chairperson
1405 – 1425 Hrs	Exploring Synergies Between Urban Built-Environment and Health Prof. (Mrs.) Indrika Rajapaksha Director, Quality Assurance Cell of the Faculty of Architecture, University of Moratuwa
1425 – 1445 Hrs	Life Management of Contractor's Quantity Surveyors Work at Site: Female vs Male Prof. (Mrs.) Kanchana Perera Faculty of Architecture, University of Moratuwa
1445 – 1505 Hrs	Breaking Walls to Share Geo Spatial Information Mrs. A.L.S.C. Perera Surveyor General of Sri Lanka
1505 – 1525 Hrs	Surveying the Territories; A Holistic View on Spatial Science in Surveying the Land and Sea Rear Admiral YN Jayarathne Chief Hydrographer of the Navy
1525 – 1545 Hrs	Quantum Computing, Quantum Simulation, Quantum Communication, Quantum Building and City Design and Management Prof. Paolo Vincenzo Genovese Tianjin University, China
1545 – 1555 Hrs	Questions and Answer Session
1555 - 1600 Hrs	Summing up by the Chair
1600 – 1630 Hrs	Refreshments
1630 – 1730 Hrs	Evaluation of Poster Presentations

COMPUTING

Theme: Digital Transformation for Enhancing National Growth and Security

Venue: LT 03 - 3rdFloor, Faculty of Medicine

Chairperson	Senior Professor Asoka Karunananda Department of Computational Mathematics, Faculty of Information Technology, University of Moratuwa,
1400 – 1405 Hrs	Introduction of the Chairperson
1405 – 1430 Hrs	Emerging Trends in the Internet of Things Prof. Roshan G. Ragel Department of Computer Engineering, Faculty of Engineering, University of Peradeniya
1430 – 1455 Hrs	Blockchain Beyond Cryptocurrency: Realizing the Value of Distributed Ledgers at the Digital Transformation Dr Kasun De Zoysa Department of Communication and Media Technologies, University of Colombo School of Computing (UCSC)
1455 – 1520 Hrs	Sri Lanka's National Growth and the Opportunities Presented by the 4th Industrial Revolution Ms Lakmini Wijesundera Cofounder and Chief Executive Officer of Iron One Technologies
1520 – 1525 Hrs	Questions and Answer Session
1525 - 1535 Hrs	Summing up by the Chair
1535 – 1605 Hrs	Refreshments
1605 – 1705 Hrs	Evaluation of Poster Presentations

BASIC AND APPLIED SCIENCES

Theme: Making Growth and Security Viable

Venue: LL3 – 4th Floor, Faculty of Medicine

Chairperson	Prof Devaka Weerakoon Department of Zoology. Faculty of Science, University of Colombo
1330 – 1335 Hrs	Introduction of the Chairperson
1335 – 1355 Hrs	Prof Iqbal Choudhary International Center for Chemical and Biological Sciences, University of Karachi
1355 – 1415 Hrs	Prof Chandana Jayaratne Department of Physics, Faculty of Science, University of Colombo
1415 – 1435 Hrs	Eng. Dr. Tilak Siyambalapitiya Resource Management Associates (Pvt) Ltd
1435 – 1455 Hrs	Eng. Dr. Vidhura Ralapanawe Energy Analyst
1455 - 1515 Hrs	Panel Discussion and Summing up by the Chair
1515 – 1615 Hrs	Refreshments
1615 – 1800 Hrs	Evaluation of Poster Presentations

Oral Presentations

DEFENCE AND STRATEGIC STUDIES

Technical Session I: Parallel Session I - A Secure Nation: Maritime Security Issues

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Senior Professor Nayani Melagoda
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	The Significance of Co-operative Maritime Diplomacy to Curb Transnational Maritime Crimes in Sri Lanka SACR Kulatunga
0850 – 0900 Hrs	Safety of Life at Sea: Current Status of Sri Lanka M Jayatilaka
0900 – 0910 Hrs	Hambantota: Revival of Maritime Silk Route Indo-Pacific Strategy, Power Rivalry in the Region and its Impact on Sri Lanka C Ranaweera
0910 – 0920 Hrs	Prospects of Improving Civil-Military Integration to Address Maritime Drug Trafficking in Sri Lanka BARI Abeysekara
0920 – 0930 Hrs	The Indo-Pacific: An Examination of Regional Instruments for Improved Coordination W Rajapakshe and B Senaratne
0930 – 0950 Hrs	Question and Answer Session
0950 – 1000 Hrs	Summing up by the Chair
1000 – 1030 Hrs	Refreshments

DEFENCE AND STRATEGIC STUDIES

Technical Session I: Parallel Session II - Sri Lanka: Historic Trajectories

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

Chairperson	Mrs. Kulani Wijayabahu
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	External Compulsions that Fashioned Sri Lanka's Historical Mosaic PMP Aloka, TAS Ranathunga and PR Meegahakumbura
0850 – 0900 Hrs	The First War of Unification in Sri Lanka: Critical Analysis HGAP Gunawardana, AD Perera and WSR Jayewardene
0900 – 0910 Hrs	Human Resource Functions of the Tank Culture in Sri Lanka S Swarnasinghe and KSC de Silva
0910 – 0920 Hrs	The Drift of Ancient Kingdoms in the Post-Polonnaruwa Period: A Critical View of the Causes DD Samaragunaratna and MAJ Gimantha
0920 – 0930 Hrs	Economic Effects of War on a Country: An Overlook of Sri Lankan Economy During the Period of Civil War D Wijekoon, SC Hapuarachchi and AS Gunasekara
0930 – 1000 Hrs	Question and Answer Session
0950 – 1010 Hrs	Summing up by the Chair
1010 – 1040 Hrs	Refreshments

DEFENCE AND STRATEGIC STUDIES

Technical Session II: Parallel Session I - Approaches to National Security and Leadership Roles

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Mr. Bernard Goonethilleke, Pathfinder Foundation
1040 – 1045 Hrs	Introduction of the Chair
1035 – 1050 Hrs	Preliminary Remarks by the Chair
1050 – 1100 Hrs	Analysing Covid-19 as a Modern Strategy in International Power Game KERL Fernando and R Fernando
1100 – 1110 Hrs	The Impact of Leader Images in Sri Lanka's Foreign Policy Making from 2005 to 2019 PR Gunaratne and N Melegoda
1110 – 1120 Hrs	The Role of Sri Lanka's Private Security Sector in Assisting the Nation During Pandemics and Natural disasters T Amunugama and A Fuard
1120 – 1130 Hrs	Introduction of Nuclear Power Plants to Sri Lanka: National Growth and Security Perspectives BARS Bamunusinghe
1130 – 1140 Hrs	The Impact of EU'S Externalization Policies on Libya DGN Sanjeewani
1140 – 1150 Hrs	A Holistic Approach to National Security of Sri Lanka AABDP Abewardhana, NC Karunarathne, H Dayarathne, RGN Lakmali and PV Genovese
1150 – 1220 Hrs	Question and Answer Session
1220 – 1230 Hrs	Summing up by the Chair
1230 – 1315 Hrs	Lunch

DEFENCE AND STRATEGIC STUDIES

Technical Session II: Parallel Session II - An Integrated Professional Approach to National Security

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

Chairperson	Brigadier ULJS Perera RSP USP psc
1040 – 1045 Hrs	Introduction of the Chair
1045 – 1050 Hrs	Preliminary Remarks by the Chair
1050 – 1100 Hrs	Corruption Circle of Sri Lanka: The Second Largest Enemy to the State M Rishad
1100 – 1110 Hrs	Holistic Framework for Migrating Military Applications into Cloud Computing and Ensure National Security and National Growth of Sri Lanka RMS Veronika and PADACS Jayathillaka
1110 – 1120 Hrs	National Security and Health: Communication in a Pandemic MEP Ranmuthugala and R Amarasinghe
1120 – 1130 Hrs	The Strategic Implications of China's Belt and Road Initiative in Central Asia WMKD Wijesinghe
1130 – 1200 Hrs	Question and Answer Session
1200 – 1210 Hrs	Summing up by the Chair
1210 – 1255 Hrs	Lunch

DEFENCE AND STRATEGIC STUDIES

Technical Session III - Extremism as a National Security Threat

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Dr. HR Vidanage
1315 – 1320 Hrs	Introduction of the Chair
1320 – 1325 Hrs	Preliminary Remarks by the Chair
1325– 1335 Hrs	Recruitment Rhetoric: Media Strategies of the Islamic State and Al-Qa`ida P Abhayaratne
1335 – 1345 Hrs	The Drivers of Islamist Extremism in Sri Lanka A Fuard
1345 – 1355 Hrs	Re-thinking the Sri Lankan Approach of Countering Islamist Violent Extremism SUW Jayaratne
1355 – 1405 Hrs	Extremism as a Non-traditional Security Threat: An Analysis on Sri Lanka Army Infantry Battalions' Military Preparedness to Combat Extremism AWST Gunasinghe and K Wijayabahu
1405 – 1435 Hrs	Question and Answer Session
1435 – 1445 Hrs	Summing up by the Chair
1445 – 1515 Hrs	Refreshments

DEFENCE AND STRATEGIC STUDIES

Technical Session IV - Strategic Dilemmas in Statecraft: Different Dimensions

Venue: Auditorium, Faculty of Graduate Studies

Chairperson	Dr Chanaka Thalpahewa, United Nations -Habitat Sri Lanka
1515 – 1520 Hrs	Introduction of the Chair
1520 – 1525 Hrs	Preliminary Remarks by the Chair
1525– 1535 Hrs	Metamorphosing Sri Lankan Old School Military Thoughts by Incorporating Artificial Intelligence to Face the New Normalities KGLK Kapugama
1535 – 1545 Hrs	Emerging CBRNE Threat from Industrial and Medical Fields to the National Security of Sri Lanka ADR Wickramaratne
1545 – 1555 Hrs	Food Security and its impact on National Security of Sri Lanka MMC Mirahawatta and S Satheesmohan
1555 – 1605 Hrs	Big Data Analytics: Best Practices from Singapore in the Context of Sri Lanka's Digital Defence Requirements R Amarasinghe and M Ranmuthugala
1605 – 1635 Hrs	Question and Answer Session
1635 – 1645 Hrs	Summing up by the Chair
1645 – 1705 Hrs	Certificate Award Ceremony

MEDICINE

Technical Session I

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

Chairperson	Prof. W. Abeywickrema and Dr. WMMS Bandara
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0855 Hrs	Determination of Frequency of genotypes of Leptin Q223R Receptor Polymorphism and Comparison of Markers of Obesity and Serum Leptin Among a Group of Young Adult Female Population - a Preliminary Study RGL Rathnayake, UPK Hettiaratchi and PPR Perera
0855 – 0910 Hrs	Viability of the Amniotic Membrane in Several Solutions LHH Suraji, AAAP Adhikarie, SM Wijeyaratne, MVC De Silva and GG Ranaweera
0910 – 0925 Hrs	Hepatic transaminases and its correlations with clinical and biochemical parameters of metabolic syndrome TA Samarathunga, EPN Soysa, DR Fernando, HMUAS Perera, TDDK Siriwardana, TD Abayadeera, SE Theswa and P Katulanda
0925 – 0940 Hrs	A descriptive analysis of antibiotic resistance among urine culture isolates from patients presenting to University Hospital KDU WMID Nakkawita, PBV Navaratne and ASTA Gunasekera
0940 – 0955 Hrs	Knowledge and Practices on Bed Side Transfusion among nursing officers at University Hospital (UH), Sir John Kotelawala Defence University (KDU), Werahera TI Withanawasam, A Gamage, KA Jayawindi, NKG Manodya and PAPP Panditharathna
0955 – 1010 Hrs	Prospective Study on the Clinical Characteristics, Viral Positivity and Antibody Response in an Asymptomatic/Minimally Symptomatic SARS-CoV-2 Positive Navy Cohort in Sri Lanka HS Jayasinghearachchi, DS Govindapala, WMID Nakkawita, PH Premaratne, CL Goonasekara, J Jayasinghe, M Karunaratne, DGP Kawyangana, KWT Chathuranga, US Kulasekara and AD De Silva
1010 – 1015 Hrs	Summing up by the Chair
1015 – 1030 Hrs	Refreshments

MEDICINE

Technical Session II

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

Chairperson	Professor MHJ Ariyaratna and Dr. Dulantha de Silva
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1055 Hrs	Simultaneous Bilateral Total Knee replacement , Is it safe ? University Hospital KDU outcomes CR Karunathilaka, VP Wijesundara and DMIT Bandara
1055 – 1110 Hrs	Cervical Spine Injury of Sri Lankan Origin KSR Pushpakumara and GL Punchihewa
1110 – 1125 Hrs	Delay in surgical care for Fracture neck of femur patients due to comorbid factors. Creating a care pathway at UHKDU with an over view to optimize their care CR Karunathilaka, VP Wijesundara and NNN Madushanka
1125 – 1140 Hrs	Assessment of Safety in Grinder related Work in Sri Lanka – experience of 61 cases in urban background SU Nagasinghe, M Bandara, A Jayathilaka and GSKW Jayasekara
1140 – 1155 Hrs	Musculoskeletal system related clinical presentations among KDU military cadets with relation to their existing physical and anatomical deformities CR Karunathilaka, VP Wijesundara and NNN Madushanka
1155 – 1210 Hrs	Healing Through Martial Arts: Reconstruction of Bodymind in Actor Training Lyudmyla Honcharova
1210 – 1215 Hrs	Summing up by the Chair
1215 – 1300 Hrs	Lunch

MEDICINE

Technical Session III

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

Chairperson	Dr. Jayan Mendis and Dr. K Saman R Pushpakumara
1300 – 1335 Hrs	Introduction of the Chair
1335 – 1340 Hrs	Preliminary Remarks by the Chair
1340 – 1355 Hrs	Characterization of Functional Brain Network Topology in Schizophrenia using Pearson's Correlation and Partial Correlation W Ediri Arachchi, M Liang and C Yu
1355 – 1410 Hrs	An Audit of KDU Support Centre K Hettigoda and J Mendis.
1410 – 1425 Hrs	Neuregulin-1 gene polymorphisms and susceptibility to schizophrenia in a Sri Lankan population Kajan Muneeswaran, Madhubhashinee Dayabandara, Varuni de Silva, Vishvanath Chandrasekharan, Umayal Branavan and Raveen Hanwella
1425 – 1440 Hrs	The association between lifetime trauma and suicidal ideation among adults in Sri Lanka: An island-wide study PB Dissanayake, FS Jabir, K Jayaweera, L Dissanayake and A Sumathipala
1440 – 1455 Hrs	Estimation of the Frequency of Morbid Jealousy in Intimate Relationships in Sri Lanka: an Interim Analysis of a Web-based Survey MKOK De Silva, IH Rajapakse, M Rajasuriya and NFJ Fernando
1455 – 1500 Hrs	Summing up by the Chair
1500 – 1530 Hrs	Refreshments

MEDICINE

Technical Session IV

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

Chairperson	Professor Ayendralal Balasuriya and Dr. Janake Munasinghe
1530 – 1535 Hrs	Introduction of the Chair
1535 – 1540 Hrs	Preliminary Remarks by the Chair
1540 – 1555 Hrs	Prevalence and factors associated with Burnout Syndrome among employees of Emergency Treatment units at selected Teaching Hospitals in Sri Lanka AS Migelheva, P Chathurani Sigera, MCKaushila Thilakasiri and G Senarathna
1555 – 1610 Hrs	Perpetrators and victims of torture: case reports and literature review HTDW Ariyaratna
1610 – 1625 Hrs	Preliminary Screening for the Incidence of Renal Abnormalities among School Students in Rural Sri Lanka TDKSC Gunasekara, PMMA Sandamini, RAI Pinipa, SD Gunarathna-EMDV Ekanayake, SS Jayasinghe and PMCS De Silva
1625 – 1640 Hrs	Injuries mimicking finger-pad contusions found on dead-bodies following falls off a significant height HTDW Ariyaratna and SR Hulathduwa
1640 – 1655 Hrs	The indirect cost due to diabetes mellitus among patients attending out-patient clinics at the Army Hospital Sri Lanka MS Samarawickrama, AU Gamage and S Sridharan
1655 - 1710	Household Economic Burden among Chronic Kidney Disease (CKD) Patients Managed at Provincial General Hospital, Kurunegala W Ratnayake and A Gamage
1710 – 1715 Hrs	Summing up by the Chair
1715 – 1730 Hrs	Certificate Award Ceremony

ENGINEERING

Technical Session I: Parallel Session I

Venue: FOE 4-2 – 4th floor, Faculty of Engineering

Chairperson	Air Commodore LMSK Leelarathna
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	Airline Maintenance Cost Optimization Through Spare Parts Inventory Control PK Kariyawasam, KAP Malake, UWLAB Karunaratne and WNI Yalagama
0850 – 0900 Hrs	An Enumerative Constraint Planning Framework For Airline Engineering Manpower Cost Optimization WTS Rodrigo, and WDT Fernando
0900 – 0910 Hrs	Conceptual Design Of Boom Mounted Inverted V-Tail For A UAV Sushil Khadka, JI Abeygoonewardene and NP Liyanage
0910 – 0920 Hrs	Multifunctional Agriculture Drone For Sowing And Planting For Paddy Cultivation MBTM Balagalla, WCK Withanage and WSP Fernando
0920 – 0950 Hrs	Questions and Answer Session
0950 – 1020 Hrs	Refreshments

ENGINEERING

Technical Session I: Parallel Session II

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

Chairperson	Prof. SS Wickramasuriya
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	Effect on Water Quality due to Residential Development – A Case Study on Kolonnawa Canal JACK Jayaweera and MB Samarakoon
0850 – 0900 Hrs	Proper management of Quarry Dust that generated in Crusher Plants as a waste RMNS Rathnayake and MB Samarakoon
0900 – 0910 Hrs	Analysis of air pollution trend and identification of possible transboundary influence, A case study of Colombo, Sri Lanka MT Gunasekara and VS Waraketiya
0910 – 0920 Hrs	Optimum Locations suitability analysis for Tsunami Warning Centers KH Wanniarachchi and AH Lakmal
0920 – 0950 Hrs	Questions and Answer Session
0950 – 1020 Hrs	Refreshments

ENGINEERING

Technical Session II: Parallel Session I

Venue: FOE 4-2 – 4th floor, Faculty of Engineering

Chairperson	Dr. PABA Ranjan Perera
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1050 Hrs	Analysis of the Fire Effectiveness of Medium Calibre Indirect Fire Naval Weapon System Duminda Dayananda
1050 – 1100 Hrs	Design of a Wind Propelled Planing Hull Craft for Shallow Water Operation Captain(E) MCP Dissanayake , and Cdr(E) TMS Gunarathna
1100 – 1110 Hrs	Designed A Low Cost Brackish Water Reverse Osmosis Plant: - To eliminate Chronic Kidney Diseases of unknown aetiology (CKDu) from Sri Lanka Captain(E) MCP Dissanayake
1110 – 1120 Hrs	Development of a Robust Dynamic Damage Control Simulator Captain(E) MCP Dissanayake and LCdr(E) PMKC Chandimal
1120 – 1150 Hrs	Questions and Answer Session
1150 – 1300 Hrs	Lunch

ENGINEERING

Technical Session II: Parallel Session II

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

Chairperson	Dr. HR Pasindu
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1050 Hrs	A comparison of nonlinear material models used in pavement response modelling Padmanathan Kathirgamanathan, and Muthulingam Vignarajah
1050 – 1100 Hrs	Energy Absorption Capacity and Impact Energy of Rubberized Concrete PA Senevirathne, DDTK Kulathunga and VL Kuruwitaarachchi
1100 – 1110 Hrs	Evaluating the Influence of Countdown Timers at Signalized Intersections on Red-Light Running TWKIM Dias and KAS Dilruk
1110 – 1120 Hrs	Evaluating Driver Speeding at Traffic signal Lights during the Amber Time TWKIM Dias and WPDA Weerakkody
1120 – 1150 Hrs	Questions and Answer Session
1150 – 1300 Hrs	Lunch

ENGINEERING

Technical Session III: Parallel Session I

Venue: FOE 4-2 – 4th floor, Faculty of Engineering

Chairperson	Dr RMPS Bandara
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1320 Hrs	Elephant Intrusion Detection Deterrence and Warning System ("Tusker Alert") RMTGP Rathnayaka, NP Batuwangala , MGJP Fernando and WSP Fernando
1320 – 1330 Hrs	Design and Fabrication of an Automatic Ruler Printing Machine SS Vitharana , WVPP Madhumali , GATD Herath, WSP Fernando and DH Marabedda
1330 – 1340 Hrs	Software Interface to Log High Speed Data Acquired from a Stress Strain Measuring System Sujeetha Gaspe and HHE Jayaweera
1340 – 1350 Hrs	Performance Comparison of Solid Tires and Non-Pneumatic Tires Using Finite Element Method: Application to Military Vehicles WAAS Premarathna , JASC Jayasinghe , KK Wijesundara , RRMSK Ranatunga and CD Senanayake
1350 – 1400 Hrs	Design of pressure sensing circuit to measure pressure distribution of patient's foot. SL Wijesekara and PPSS Pussepitiya
1400 – 1410 Hrs	Development of a Semi-automated device to lift and transfer bedridden patients APE Podiralahamy, KADSP Perera, CM Rupasinghe and KDPR Jayatilaka
1410 – 1440 Hrs	Questions and Answer Session
1440 – 1510 Hrs	Refreshments

ENGINEERING

Technical Session III: Parallel Session II

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

Chairperson	Prof. (Mrs) Dileeka Dias
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1320 Hrs	Real-Time Vision Based & Optimized Pedestrian Crossing Control System Udaya Dampage, Lahiru Attanayake, Hasara Jayasuriya, Ravindu Mirihana and Lochana Maduranga
1320 – 1330 Hrs	Design and Development of A Vision Based Tomato Maturity Detection and Sorting System AH Abeykoon, ATK Raweendra, KMJ Perera, TCM Perera, HT Pathirathne and MWP Maduranga
1330 – 1340 Hrs	Effect of pin holes on Transformer core loss MDCD Modaragamage, S Aarabi , H Senevirathne , H KY Liyanage and JR Lucas
1340 – 1350 Hrs	Intelligent Security Robot for Warehouse Security (“WATCHMATE”) WBMR Jayaweera and RMC Nilushan
1350 – 1400 Hrs	Design and Implementation of a Remote-Controlled Reliability Analysis and Energy Management System. DMKV Abeykoon, GPA Perera, TCTN Costa and PHG Kasunka
1400 – 1410 Hrs	Experimental study on tissue characterization using s calculation Dulitha K Hewadikaram, Hasith E Perera, Deshitha C Wickramrathna, Muditha Bandara, Amal N Pattivedana, Gamage Pemantha Lakraj, Hiran HE Jayaweera and Janaka P Wansapura
1410 – 1440 Hrs	Questions and Answer Session
1440 – 1510 Hrs	Refreshments

MANAGEMENT SOCIAL SCIENCES AND HUMANITIES

Technical Session I: Parallel Session I – Management and Finance

Venue: 2HC – 2ndFloor, Academic Building

Chairperson	Dr. Sampath Fernando
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	Examination of Job Satisfaction of Graduate Teachers in Secondary Schools WAMGPK Wanasinghe and WMS Wanasinghe
0850 – 0900 Hrs	The Impact of the Social Customer Relationship Management (SCRM) System on Customer Engagement in the Fast-Food Industry in Sri Lanka JKPSK Jayasinghe and OC Dissanayaka
0900 – 0910 Hrs	Development of a Performance Measurement Framework on Bus Transport Reliability at Bus Stops Piyumika Athapaththu, Thimesha Weerasekara, Seminie Waravita and Sabeen Sharic
0910 – 0920 Hrs	Impact of Involvement & Consistency of Organizational Culture on Job Satisfaction in Local Government Organizations in Sri Lanka SKS Kankanamge and AB Sirisena
0920 – 0930 Hrs	The Impact of Men Empowerment in Apparel Industry Heshani Jayasekara, Hasini Fernando, APM Shehan and DR Perera
0930 – 1000 Hrs	Questions and Answer Session
1000 – 1030 Hrs	Refreshments

MANAGEMENT SOCIAL SCIENCES AND HUMANITIES

Technical Session II: Parallel Session I – Management and Finance

Venue: 2HC – 2ndFloor, Academic Building

Chairperson	Dr. Renuka Herath
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1050 Hrs	Impact of Retail Store Atmospheric Factors on Repurchase Intention PD Jayaweera and AB Sirisena
1050 – 1100 Hrs	Impact of Website Attractiveness and Trustworthiness on Repeat Purchase Intention KW Opanayake and AB Sirisena
1100 – 1110 Hrs	Impact of Green Attributes of Hotels on Re-visit Intention: Moderating Impact of Customer Environmental Consciousness UJ Mirando and HC Dassanayake
1110 – 1120 Hrs	Factors Affecting Young Consumers' Online Purchase Intention in Sri Lanka: With Special Reference to Undergraduates in General Sir John Kotelawela Defence University UKGSR Ranasinghe, UKMSR Kuruppu, HJMYD Herath, HGC Wijayagrahi and WDH De Mel
1120 – 1130 Hrs	Consumer Preference Towards Own Brands with Special Reference to Own Brands of Cargills & Keells Supermarkets Jayamina Senanayake, Chamindu Nawaruwan, Sathira Heshan, Sandeepa Herath and Lahiru Gunathilake
1130 – 1200 Hrs	Questions and Answer Session
1200 – 1300 Hrs	Lunch

MANAGEMENT SOCIAL SCIENCES AND HUMANITIES

Technical Session III: Parallel Session I – Management and Finance

Venue: 2HC – 2ndFloor, Academic Building

Chairperson	Dr. CW Chathurani Silva
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1320 Hrs	Application of Lean Six Sigma for Sample Checking Audit Procedure Process Improvement in The Apparel Sector in Sri Lanka Sanduni Sulakkhana and RASA Perera
1320 – 1330 Hrs	The Effects of Inventory Management Practices on the Perspectives of Employees in Apparel Sector of Western Province in Sri Lanka RN Nishshanka, ORS Jayaneththi , VADPK Vithana and DD Lokuge
1330 – 1340 Hrs	Factors behind the Success of International Competitiveness of Apparel Industry in Sri Lanka with Special Reference to Vertical Integration Strategy Dilshan Rathnayake, Hashini Malsha, Chathuri Dissanayake and Lahiru Gunathilaka
1340 – 1350 Hrs	Identifying Root Causes for Defects of Solid Tires: A Case of Tire Company in Sri Lanka KG Berugoda Arachchige and Asanka D Dharmawansa
1350 – 1430 Hrs	Questions and Answer Session
1430 – 1500 Hrs	Refreshments

MANAGEMENT SOCIAL SCIENCES AND HUMANITIES

Technical Session IV: Parallel Session I – Management and Finance

Venue: 2HC – 2ndFloor, Academic Building

Chairperson	Prof. Wasantha Perera
1500 – 1505 Hrs	Introduction of the Chair
1505 – 1510 Hrs	Preliminary Remarks by the Chair
1510 – 1520 Hrs	Examine the Use of Management Control Systems in Managing Perishable Goods: Evidence from Supermarkets in Colombo Area Ajaya Abeyrathne, Heshani Perera and Harindu De Silva
1520 – 1530 Hrs	Power, Trust, and Tax Compliance of SME Taxpayer Nadee Dissanayake and SP Premaratna
1530 – 1540 Hrs	Evaluating the Information Security Awareness (ISA) of Employees in the Banking Sector: A case study Asanka D Dharmawansa and RAM Madhuwanthi
1540 – 1550 Hrs	Public Intention towards Mobile Money Transactions in Sri Lanka SAKEP Subasinghe, SD Mirihagalla, T Welivitage and Lahiru Gunathilake
1550 – 1600 Hrs	Talent, Talent Management & Its Practices: A Critical Review MHR Sandeepanie, GDN Perera, TL Sajeewani and PN Gamage
1600 – 1615 Hrs	Questions and Answer Session
1615 – 1630 Hrs	Certificate Award Ceremony

MANAGEMENT SOCIAL SCIENCES AND HUMANITIES

Technical Session I: Parallel Session II – Social Sciences and Humanities

Venue: 2HD – 2ndFloor, Academic Building

Chairperson	Dr. MTM Mahees
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	An Examination of the Social Level Predictors of Cyberbullying Victimization MAPM Munasinghe and KS Harasgama
0850 – 0900 Hrs	Patterns and Challenges of Social Identity: An Analysis of Third Space Perspective on Afro-Sri Lankans in Sirambiadiya KMNU Akmeemana and T Kamalrathne
0900 – 0910 Hrs	Social Construction of Personality: An assessment on the Perceptions of Introversion and Extroversion among Undergraduates of Colombo, Sri Lanka TN Wijewickrama and LS Liyanage
0910 – 0920 Hrs	An Evaluation on the Rehabilitation Programs Conducted for Juvenile Delinquents in Remand Homes and Certified Schools in Sri Lanka: A Case Study Based on Southern Province DWUC Wickramasinghe, PY Jayasuriya, IADT Medhavini, WAL Avindhya, HMKKA Herath, KMND Konarathne and LS Liyanage
0920 – 0930 Hrs	Factors Associated with Employee Job Satisfaction: A Case Study on National Film Corporation, Sri Lanka LN Liyanage
0920 – 1000 Hrs	Questions and Answer Session
1000 – 1030 Hrs	Refreshments

MANAGEMENT SOCIAL SCIENCES AND HUMANITIES

Technical Session II: Parallel Session II – Social Sciences and Humanities

Venue: 2HD – 2ndFloor, Academic Building

Chairperson	Dr. Pradeep Peiris
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1050 Hrs	The Resolution 30/1: National Priorities and Implementation Challenges towards Sri Lanka LG Dilini Tharika Siriwardana
1050 – 1100 Hrs	Impact of Trade Openness on Economic Growth in Sri Lanka Tharangi Wanigasuriya
1100 – 1110 Hrs	Study on the Glass Ceiling Factors Affecting on Women Career Development: with Special Reference to Sri Lankan Construction Industry WNN Alwis and KKNP Rathnayake
1110 – 1120 Hrs	Subsidized Domestic Fuel Prices and Global Oil Price Shocks: Evidence from Sri Lanka Chanaka N Ganepola
1120 – 1200 Hrs	Questions and Answer Session
1200 – 1300 Hrs	Lunch

MANAGEMENT SOCIAL SCIENCES AND HUMANITIES

Technical Session III: Parallel Session II – Social Sciences and Humanities

Venue: 2HD – 2ndFloor, Academic Building

Chairperson	Dr. Chandana Dissanayake
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1320 Hrs	Power, Control and Resistance in Ray Bradbury's Fahrenheit 451 Jinandi Chathurya
1320 – 1330 Hrs	Influence of Socio-economic Imbalance in ELL – With Special Reference to Kalkudah Education Zone, Batticaloa, Sri Lanka Kennedy Jeevaretnam and Sakthy Ravichendran
1330 – 1340 Hrs	A Comparative Study of the Characteristics of Domestication and Foreignization in the Sinhalese First Translation and the Retranslation of Chinua Achebe's 'No Longer at Ease' NM Wijebandara and JAM Hansani
1340 – 1350 Hrs	Knowledge, Attitudes, and Practices on Plagiarism among the Law Undergraduates in Sri Lanka WS Sudusinghe, WGC Kumara, D Vidanage and TD Kothalawala
1350 – 1430 Hrs	Questions and Answer Session
1430 – 1500 Hrs	Refreshments

MANAGEMENT SOCIAL SCIENCES AND HUMANITIES

Technical Session IV: Parallel Session II – Social Sciences and Humanities

Venue: 2HD – 2ndFloor, Academic Building

Chairperson	Senior Prof. Marie ES Perera
1500 – 1505 Hrs	Introduction of the Chair
1505 – 1510 Hrs	Preliminary Remarks by the Chair
1510 – 1520 Hrs	Employability Model for Higher Education Institutes to Generate Work-ready ICT Graduates in Sri Lanka Samanthi Wickramasinghe and Sunesh Hettiarachchi
1520 – 1530 Hrs	Assessment of Public Speaking Anxiety (PSA): A Study based on the Second Year Law Undergraduates in Kotelawala Defence University, Sri Lanka WS Sudusinghe, WGC Kumara, CJ Kothalawala and TD Kothalawala
1530 – 1540 Hrs	Language Practices in Bilingual Mathematical Classrooms: The Role of Linguistic Diversity RP Dharmawardene
1540 – 1550 Hrs	Students' Perception on Learning English through Distance Education: An Online Survey Conducted in Higher Education Institutes, Sri Lanka at the Time of COVID-19 WS Sudusinghe and WGC Kumara
1550 – 1600 Hrs	A Study on the Compensation Strategies of Subtitling Culture Bound terms and the Intimate Register: With Special Reference to the Selected Sinhala Movies JAM Hansani and HN Gamage
1600 – 1615 Hrs	Questions and Answer Session
1615 – 1630 Hrs	Certificate Award Ceremony

LAW

Technical Session I - Expanding the Horizons of Commercial Law for National Prosperity

Venue: Main Auditorium, Academic Building

Chairperson	Dr. Chathura Warnasooriya
0815 – 0820 Hrs	Introduction of the Chair
0820 – 0825 Hrs	Preliminary Remarks by the Chair
0825 – 0835 Hrs	“Intellect Eclipsed”: An Analysis of the Unconscious Bias and its Impact on the Development of Intellectual Property Law Hasini Rathnamalala and Padmaja Wijesooriya
0835 – 0845 Hrs	Contracts Formed During Frustrations and Force Majeure: An Anti-Crisis Shield for Consumer Protection against Boilerplate and Limited Liability Clauses SM Anuruddika G Senevirathne
0845 – 0855 Hrs	The Effectiveness of the Piercing of Corporate Veil under Sri Lankan Law: A Comparative Analysis with UK RMRKK Rathnayake
0855 – 0905 Hrs	Legal Implications of COVID-19: Force Majeure and Contractual Obligations in International Sale of Goods YP Wijerathna and BKM Jayasekera
0905 – 0915 Hrs	Copyright Protection of Application Programme Interfaces: An Analysis of the Sri Lankan Position Shenali C Dias
0915 – 0935 Hrs	Questions and Answer Session
0935 – 1000 Hrs	Refreshments

LAW

Technical Session II - Emerging Trends in Public Law: Legal and Economic Perspectives

Venue: Main Auditorium, Academic Building

Chairperson **Mohan Peiris PC**

1000 – 1005 Hrs Introduction of the Chair

1005 – 1010 Hrs Preliminary Remarks by the Chair

1010 – 1020 Hrs **Right of the Host State to Regulate the Environment and Investment Protection - A Changing Landscape**
NS Liyana Muhandiram

1020 – 1030 Hrs **The Failure of Guardians: Mount Lavinia Artificial Beach and Public Trust Doctrine**
SPCT Abey Siriwardena, VR Algewatta, and ALU Gamage

1030 – 1040 Hrs **How the Offence of Rape has been Overshadowed by Marriage and its Impact on National Growth of Sri Lanka: A Critical Analysis from Legal and Economic Perspectives**
SBYM Duneesha Siwrathne

1040 – 1050 Hrs **Establishing Rule of Law to Achieve Sustainable Development: The Pathway for National Growth in Sri Lanka**
TD Walgama

1050 – 1100 Hrs **Application of the Concept of Reparation in Transitional Justice in Sri Lanka**
AN Hettiarachchi and WDS Rodrigo

1100 – 1130 Hrs Questions and Answer Session

1130 – 1300 Hrs Lunch

LAW

Technical Session III - Contemporary Challenges and the Role of Private Law

Venue: Main Auditorium, Academic Building

Chairperson	Dr. Dan Malika Gunasekera
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1320 Hrs	Work-From-Home – The Legal Status of Sri Lanka NKK Mudalige and AA Edirisinghe
1320 – 1330 Hrs	A Critique of Available Remedies for Industrial Disputes Arising out of COVID-19: A Comparative Analysis HGS Rosairo and HD Jayaweera
1330 – 1340 Hrs	Employment Security of Probationary Workers in Sri Lanka: A Comparative Legal Analysis BAR Ruwanthika Ariyaratna
1340 – 1350 Hrs	Impact of Covid-19 to the National Economy of Sri Lanka: A Comparative Analysis with the United Kingdom on Employees' Rights AS Samarakoon, VP Liyanage and MR Premashantha
1350 – 1415 Hrs	Questions and Answer Session
1415 – 1430 Hrs	Refreshments

LAW

Technical Session IV - Role of Law in Pursuit of Justice

Venue: Main Auditorium, Academic Building

Chairperson	Shavindra Fernando, PC
1430 – 1435 Hrs	Introduction of the Chair
1435 – 1440 Hrs	Preliminary Remarks by the Chair
1440 – 1450 Hrs	National Security and Freedom of Expression in Sri Lanka: Friends or Foes AN Bopagamage, and PP Algama
1450 – 1500 Hrs	Regulating Food Advertisement in Sri Lanka and Curbing Childhood Obesity: The Way Forward Geethani Jeewanthi
1500 – 1510 Hrs	Definitional and Interpretational Approach towards Economic Development on the Word 'Income' under Current Laws of Income Tax: A Comparison of Sri Lanka and India RPD Pathirana
1510 – 1520 Hrs	Conceptualizing Local Governance in the Context of Citizen Participation: Towards a Participatory Approach of Local Government Institutions in Sri Lanka UAT Udayanganie
1520 – 1545 Hrs	Questions and Answer Session
1545 – 1600 Hrs	Certificate Award Ceremony

ALLIED HEALTH SCIENCES

Technical Session I: Parallel Session I – Radiography/Radiotherapy

Venue: LL1 – 4th Floor, Faculty of Medicine

Chairperson	Dr. Vijitha Ramanathan
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	Quantitative Analysis of the Additional Radiation Burden due to Electronic Collimation in Digital Radiography DM Satharasinghe, WMNMB Wanninayake, AS Pallewatte and J Jeyasugiththan
0850 – 0900 Hrs	Effect of CT Bore size on Radiation Dose during Head CT Acquisition T Amalraj, DM Satharasinghe, A Ramalingam, AS Pallewatte and J Jeyasugiththan
0900 – 0910 Hrs	Estimation of Radiation Dose to the Eye during Radiopharmaceutical Preparation and scan procedures at a selected private hospital in Sri Lanka. RAIU De Silva, HMPNB Mawathagama, P Sathyathas and JMC Udugama
0910 – 0920 Hrs	Determination of Gender using Measurements of the Mandible taken from Orthopantomogram and Cephalogram MDR Munasinghe, LPN Madhavee, LHMIM Herath and RP Illeperuma
0920 – 0930 Hrs	Effect of Lidocaine Spray in the Enhancement of the Quality of Intra-Oral Periapical Radiograph when Imaging Lower Third Molar Teeth GK Dharmaratne, DBP Rupasinghe, EMTH Ekanayake, RD Jayasinghe
0930 – 0940 Hrs	Correlation between Liver Fat Indices and Ultrasonography to determine NAFLD among Diabetic patients KKDSD Kannangara, MR Dehigolla, CMJU Gunathilake, RS Maddumage, GDS Dulshika, WAC Karunaratne, WA Epa, Uditha Bulugahapititya, JMKB Jayasekara
0940 – 1000 Hrs	Questions and Answer Session
1000 – 1030 Hrs	Refreshments

ALLIED HEALTH SCIENCES

Technical Session I: Parallel Session II – Medical Laboratory Sciences

Venue: LL2 – 4th Floor, Faculty of Medicine

Chairperson	Professor DBM Wickramaratne
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	Manual Immature Reticulocyte Fraction: a Reliable Marker to Assess Post Traumatic Blood Loss JKD Wijegunawardena- KAC Wickramaratne
0850 – 0900 Hrs	Virulence and Genotyping of Candida Albicans Isolated from Oral Leukoplakia MM Weerasekera, A Dilhari, T Madhumal, R Dilrukshi, R Willaddara, A Sampath, GK Wijesinghe, C Gunasekara, N Fernando, S Karunathilaka and L Samaranayake
0900 – 0910 Hrs	Correlation between Hemoglobin Concentration and Absolute Reticulocyte Count of Adolescent Female Iron Deficient Patients at Colombo north Teaching Hospital RMDK Rathnayaka, RMD Seneviratne, D Kottahachchi and Y Costa
0910 – 0920 Hrs	Antimicrobial susceptibility patterns of blood culture isolates from cancer patients after anti-cancer therapy. RM Fleming, SAR Thakshala, SP Gunasekara, AK Chandana and UTN Senaratne
0920 – 0930 Hrs	Investigation of Nasal Colonization of Methicillin-Resistant Staphylococcus aureus Among Nursing Students at a University in Sri Lanka PACP Pathiraja, CD Gamage and BN Dissanayake
0930 – 1000 Hrs	Questions and Answer Session
1000 – 1030 Hrs	Refreshments

ALLIED HEALTH SCIENCES

Technical Session II: Parallel Session I – Physiotherapy

Venue: LL1 – 4th Floor, Faculty of Medicine

Chairperson	Professor Sudarshani Wasalathanthri
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1050 Hrs	Prevalence of Forward Head Posture and Its' Relationship with Neck Pain among Sewing Machine Operators in Two Selected Garment Factories in Kaluthara District DT Wagachchi, MS Jayamanne, AMLUK Adikari, IDL Kodagoda, YT Mudalige and GAD Perera
1050 – 1100 Hrs	Prevalence of Urinary Incontinence and Its Association with Risk Factors in Three Months Postpartum Women Attending MOH Clinics Registered Under Colombo Municipal Council during September and October 2019 KMR Ranasinghe, MAN Madhurangi, IS Samarasinghe, NAVW Yapa, JI Widanagamage, VS Ruwandika and GAD Perera
1100 – 1110 Hrs	Learning Style Preferences and Academic Performance of Undergraduate Physiotherapy Students WNI Kularathne, EMIA Bandara and ALI Prasanna
1110 – 1120 Hrs	Comparative Study of Range of Motion after Conventional Physiotherapy in Adhesive Capsulitis of Shoulder Joint among Diabetic and Non-Diabetic Patients at Teaching Hospital Batticaloa R Rakunara
1120 – 1130 Hrs	Relationship between Hip Abductor Muscle Strength and Flat foot Deformity among Undergraduates at Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University GAA Ransimala, DRM Fernando, DYRS Madhuwanthi, ADT Nawakshana, HLDKND Rathnasiri, NH Wickramasinghe, SADCS Senavirathna and UTN Senaratne
1130 – 1140 Hrs	Usefulness of Timed Up and Go test, Berg Balance Scale and Six Minute Walk Test as Fall Risk Predictors in Post Stroke Adults Attending Rehabilitation Hospital Ragama KMT Bandara, UK Ranawaka, and A Pathmeswaran
1140 – 1200 Hrs	Questions and Answer Session
1200 – 1300 Hrs	Lunch

ALLIED HEALTH SCIENCES

Technical Session II: Parallel Session II – Nursing and Midwifery

Venue: LL2 – 4th Floor, Faculty of Medicine

Chairperson	Senior Professor SR De Alwis Seneviratne
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1050 Hrs	Multiple Intelligence and Academic Performance among BSc. Nursing Undergraduates in Kotelawala Defence University, Sri Lanka; A Correlational Study WGC Kumara, KGG Priyangika, WS Sudusinghe
1050 – 1100 Hrs	Parenting-Related Stress in Mothers of Toddlers (1-3 Years) at Piliyandala Moh Area HCC Sewwandika, SJ De Silva, BMKS Rathnayake, DMKU Dissanayake, LNL Kulasena, KGG Priyangika and TH Solomans
1100 – 1110 Hrs	Occupational Engagement in Prisons: An Evaluation of Time-Use in Sri Lankan Correctional Settings GPC Gunarathne, MDA Rodrigo and TSS Mendis
1110 – 1120 Hrs	A Study on The Assessment of Perceived Stress, Self-Efficacy and Associated Socio-Demographic Factors Among Undergraduates in a Higher Educational Institution in Sri Lanka SS Wadduwage, PJ Wijekumar, LH Walpola, NDK Ranadeva and S Chackrewarthy
1120 – 1130 Hrs	Association Between Perceived Stress and Obesity among Female Undergraduate Students in The University of Peradeniya EHMRK Ekanayake, RM Mudiyanse
1130 – 1140 Hrs	Health Promoting Lifestyle and Its Associated Factors Among Undergraduate Students in Faculty of Allied Health Sciences, University of Peradeniya, Sri Lanka NGGS Chandana, HMRKG Nandasena and TS Amarasinghe
1140 – 1200 Hrs	Questions and Answer Session
1200 – 1300 Hrs	Lunch

ALLIED HEALTH SCIENCES

Technical Session III: Parallel Session I – Pharmacy

Venue: LL1 – 4th Floor, Faculty of Medicine

Chairperson	Senior Professor RN Pathirana
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1320 Hrs	Gastroprotective activity of Vishnukarnthi chewable granular dosage form formulated using Evolvulus alsinoides and its accelerated stability studies TDMTS Kumara, HUV Hettiarachchi, WJABN Jayasuriya, LDAM Arawwawala and TS Suresh
1320 – 1330 Hrs	Investigation of in-vitro antiurolithiatic activity of Passiflora foetida and Stachytarpheta indica on experimentally prepared calcium oxalate crystals WDPA Jeewananda, HHND Priyankara, NM Thilakaratne, RN Pathirana and BLC Samanmali
1330 – 1340 Hrs	In vitro evaluation of sunscreen activity and phytochemical screening of methanolic leaf extract of Magnolia figo PMKT Dharmatilake, TRL Peiris, BLC Samanmali, RN Pathirana and WD Ratnasooriya
1340 – 1350 Hrs	Evaluation of Anti-inflammatory and Antibacterial activities of the extracts of leaves, roots and combination of leaves and roots of plant Magnolia figo AMAU Abeykoon, GMCP De Silva, KTSS Karunathilake, ARN Silva, AWMKK Bandara and RN Pathirana
1350 – 1400 Hrs	Evaluation of Physicochemical Properties of Starch from Two Modified Sri Lankan Rice Varieties to be Used as Excipients in the Pharmaceutical Industry LMH Piyumini, KWDC Lalindra, HSAM Premathilake, SU Kankanamge, TS Suresh, P Danthanarayana and JABN Jayasuriya
1400 – 1410 Hrs	Formulation development for a herbal cream incorporating the extracts of Curcuma zedoaria rhizome SMDU Silva, AS Malshi, DN Kaluthanthri, BLC Samanmali, HMDR Herath and WJABN Jayasuriya
1410 – 1430 Hrs	Questions and Answer Session
1430 – 1500 Hrs	Refreshments

ALLIED HEALTH SCIENCES

Technical Session III: Parallel Session II – Nursing and Midwifery

Venue: LL2 – 4th Floor, Faculty of Medicine

Chairperson	Gp Cpt (Dr) RANK Wijesinghe
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1320 Hrs	Health Related Quality of Life Among Patients with Chronic Kidney Disease in Sri Lanka; A Review KIP Prabani, HDWT Damayanthi, H Takahashi and U Shimizu
1320 – 1330 Hrs	Knowledge and Practices Regarding Open-System Endotracheal Suctioning Among Intensive Care Unit Nurses at the National Hospital of Sri Lanka BPRW Balasooriya and SMKS Seneviratne
1330 – 1340 Hrs	Prevalence of Unintentional Home Injuries and Awareness of Child Safety among the Parents of Inpatient Children at Sirimavo Bandaranayake Specialized Children's Hospital Peradeniya S Senthuran and ML Pathirathna
1340 – 1350 Hrs	Family Members Experiences Related to Organ Donation of their Brain Death Patients LND Amarasinghe, SKR Senadheera, BATN Buathsinghala, AKA Madhuwanthi, RAND Ranaweera and BSS De Silva
1350 – 1400 Hrs	Awareness on Prevention of Common Oral Diseases Among non – Dental Undergraduate Students of University of Peradeniya NT Wijesinghe, BMHSK Bannaheka and TS Amarasinghe
1400 – 1410 Hrs	Behavioural and Psychological Impact of Covid-19 on A Group of Youth and Young Adults Repatriated Back to Sri Lanka from the UK: A Qualitative Study K Abhayasinghe, N Weerasinghe, TN Karunaratne, L Dissanayake, K Jayasinghe, M Hewamulla, GND Guruge and A Sumathipala
1410 – 1430 Hrs	Questions and Answer Session
1430 – 1500 Hrs	Refreshments
1500 – 1530 Hrs	Certificate Award Ceremony

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Technical Session I - Architecture

Venue: LT01 - 3rdFloor, Faculty of Medicine

Chairperson	Dr. Wasana De Silva
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0855 Hrs	Pedestrian Movement Tracking and Tracing in Public Space RGN Lakmali, AABDP Abewardhana and PV Genovese
0855 – 0910 Hrs	Liveability of Vertical Apartments: A Study of the Relationship between Environmental Psychological Satisfaction and Height of Living with Special Reference to Low Income Apartments in Colombo KDHJ Premarathna, BPPN Bulughamulla and WAPS Kumara
0910 – 0925 Hrs	Evaluation of Urban Compactness Indicators and Solar Potential in the Urban Environment T Mendis, KNK Pathirana and WAPS Kumara
0925 – 0940 Hrs	Sustaining 'Walkability' in the Future City: with Special Reference to Central Business District of Colombo, Sri Lanka SMM Sanjuni, NMRA Nawarathne, SS Batcha and WASMRWS Asmadala
0940 – 1000 Hrs	Discussion and summing up the session
1000 – 1030 Hrs	Refreshments

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Technical Session II – Quantity Surveying

Venue: LT01 - 3rdFloor, Faculty of Medicine

Chairperson	Prof. Yasangika Sandanayake
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1055 Hrs	Factors Influencing the Adoption of E-procurement for Public Sector Works in Sri Lanka: A Case Study Analysis GPMCM Bandara
1055 – 1110 Hrs	Discourse Process and Discursive Practices in the Profession of Quantity Surveying in Sri Lanka TS Hettiarachchi, PDDD Wickramainghe, SD Jayasooriya and AR Rupasinghe
1110 – 1125 Hrs	Impact of Covid -19 Pandemic to Construction Industry in Sri Lanka NDI Vithana, KPSPK Bandara and SD Jayasooriya
1125 – 1140 Hrs	A Study on Conflict Management Styles for Decision Making in Sri Lankan Construction Projects PL Perera
1140 – 1200 Hrs	Discussion and summing up the session
1200 – 1300 Hrs	Lunch

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Technical Session III – Spatial Sciences

Venue: LT01 - 3rdFloor, Faculty of Medicine

Chairperson	Dr. HMI Prasanna
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1325 Hrs	Optimization of Conventional Land Survey Techniques Using Modern Technology JMO Jayamanne, JMI Karaliyadda and R Vandebona
1325 – 1340 Hrs	Mapping and Classifying Paddy Fields applying Machine learning algorithms with Multi-temporal Sentinel-1A in Ampara district WMRK Wanninayaka, RMKT Rathnayaka and EPN Udayakumara
1340 – 1355 Hrs	An Assessment of Wave Climate Variability Using Energy Flux Method: A Case Study in the Coastal Area of Negombo to Wadduwa RSG Ranatunga, RMRM Jayathilaka, GP Gunasinghe and KA Dinusha
1355 – 1410 Hrs	Geospatial based Land suitability assessment for waste dumping - A case study on Kesbewa DSD, Sri Lanka G Malavipathirana and KUJ Sandamali
1410 – 1430 Hrs	Discussion and summing up the session
1430 – 1500 Hrs	Refreshments

BUILT ENVIRONMENT AND SPATIAL SCIENCES

Technical Session IV - Multidisciplinary

Venue: LT01 - 3rdFloor, Faculty of Medicine

Chairperson	Dr. Jagath Munasinghe
1500 – 1505 Hrs	Introduction of the Chair
1505 – 1510 Hrs	Preliminary Remarks by the Chair
1510 – 1525 Hrs	Vegetation Condition Index based Agricultural Drought mapping over the past decade of Sri Lanka by utilizing the Satellite Remote Sensing KUJ Sandamali and KAM Chathuranga
1525 – 1540 Hrs	Principle factors which affect to the proper functioning of urban public gathering spaces with special reference to recreational parks in Colombo city IUK Gunawardhana, WAPS Kumara and HDS Asoka
1540 – 1555 Hrs	The Impact of Workforce Diversity on Employee Performance in Sri Lankan Construction Industry WE Dahanayake
1555 – 1610 Hrs	Identification of the Challenges Imposed by COVID-19 Pandemic on Sri Lankan Construction Projects WN Kawmudi, SD Jayasooriya, AR Rupasinghe and KC Ariyaratna
1610 – 1630 Hrs	Discussion and summing up the session
1630 – 1645 Hrs	Certificate Award Ceremony

COMPUTING

Technical Session I; Parallel Session I - Challenge of Big Data Manipulation

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

Chairperson	Dr. Subha Fernando
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	Factors Effect to the Post ERP Implementation in Sri Lankan Apparel Industry BHD Perera and SLA Munasinghe
0850 – 0900 Hrs	Clustering Crimes Related Twitter Posts using WordNet and Agglomerative Algorithm SPCW Sandagiri, BTGS Kumara and K Banujan
0900 – 0910 Hrs	SherLock: A CNN, RNN-LSTM Based Mobile Platform for Fact Checking on Social Media MDPP Goonathilake and PPNV Kumara
0910 – 0920 Hrs	Ontology-Driven Decision Making for Subfertility of Female Y Thenuka, S Vasanthapriyan and K Banujan
0920 – 0930 Hrs	A Mix Model Approach for Identifying Occupational Stress Among the Information Technology Employees: A Case Study MMKRIE Senavirathne and RM Kapila Tharanga Rathnayaka
0930 – 0955 Hrs	Question and Answer Session
0955 – 1000 Hrs	Summing up by the Chair
1000 – 1030 Hrs	Refreshments

COMPUTING

Technical Session I; Parallel Session II - The Governance of IOT through Smart Solutions

Venue: LT 03 - 3rdFloor, Faculty of Medicine

Chairperson	Dr. KASN Sumathipala
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0850 Hrs	E-commerce model for Visually Impaired Entrepreneurs HN Amaratunge and W Gunathilake
0850 – 0900 Hrs	eRemote: A Remote File Downloader for Low-Speed Network HMGKC Bandara and B Hettige
0900 – 0910 Hrs	The Internet of Things for Health Care: A Comprehensive Survey for State-of-the-art Architecture APL Madushanka, U Dissanayake, KPMI Ramanayake, SMK Hemali and RPS Kathriarachchi
0910 – 0920 Hrs	Optimum Shirt Design Prediction Tool for Apparel Industry KPMK Leelarathne and HRWP Gunathilake
0920 – 0930 Hrs	Development of Automated Aquatic Taxi for Sri Lanka Using Kansei Engineering Concept Achini Kalhari, Nipuni Wickramarathna, Lithmi Yapa, Dilshan Nandasena and Pradeep Kalansooriya
0930 – 0955 Hrs	Question and Answer Session
0955 – 1000 Hrs	Summing up by the Chair
1000 - 1030 Hrs	Refreshments

COMPUTING

Technical Session II; Parallel Session I - Machine Learning for Optimal Thinking

Venue: LT 02 - 3rdFloor, Faculty of Medicine

Chairperson	Dr. Sidath R Liyanage
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1050 Hrs	Air Quality Predicting System for Colombo City using Machine Learning Approaches MDCM Wijethunga and WMKS Ilmini
1050 – 1100 Hrs	Real-time Animal Detection and Prevention System for Crop Fields R Lathesparan, A Sharanjah, R Thushanth, S Kenurshan, MNM Nifras and WU Wickramaarach
1100 – 1110 Hrs	Diabetes Prediction System using Machine Learning TK Thenabadu and WMKS Ilmini
1110 – 1120 Hrs	Finger spelled Sign Language Translator for Deaf and Speech Impaired People in Sri Lanka using Convolutional Neural Network HKK Perera, DMR Kulasekara and ADAI Gunasekara
1120 – 1130 Hrs	Automated Generation of Sinhala Lyrics using Recurrent Neural Networks Sheng Kao and Kalani Ilmini
1130 – 1145 Hrs	Question and Answer Session
1145 – 1200 Hrs	Summing up by the Chair
1200 – 1300 Hrs	Lunch

COMPUTING

Technical Session II; Parallel Session II - Enforcement of ICT for Digital Age

Venue: LT 03 - 3rdFloor, Faculty of Medicine

Chairperson	Professor Prasad Jayaweera
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1050 Hrs	The Future Directions of the Learning Management System A Review JMHK Jayalath, WAN Malshani, PBD Ariyaratna, NGC Ranahansani and WAAM Wanniarachchi
1050 – 1100 Hrs	Adaptive, Interactive and Distributed E-Learning Portal with Resume and Asynchronous Learning Features to Colombo Stock Exchange. VSS Nanayakkara and WAAM Wanniarachchi
1100 – 1110 Hrs	E-Performance Management Process for Athletics in Sri Lanka PKCD Pallewatte and DU Vidanagama
1110 – 1120 Hrs	Introducing E-Farmer Management System for Dedicated Economic Centers in Sri Lanka to Reengineer the Current Marketing Process KPP Sandareka and N Wedasinghe
1120 – 1130 Hrs	ICU Management System for Dengue Ward WMCDK Weerakoon, MMK Rowel, EMUWKM Abeyrathne, MDC Gunathilake, MR Kurukulasuriya and PPNV Kumara
1130 – 1145 Hrs	Question and Answer Session
1145 – 1200 Hrs	Summing up by the Chair
1200 – 1300 Hrs	Lunch

COMPUTING

Technical Session III; Parallel Session I - Modern Era Image Processing and Interfacing Challenges

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

Chairperson	Dr. Prasad Wimalaratne
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1320 Hrs	Disease Identification in Leafy Vegetables Using Transfer Learning JAA Hansika and WMKS Illmini
1320 – 1330 Hrs	A Software Based Solution to Estimate the Angles of Incidence of AK Bullets Using Bullet Hole Features on 1mm Sheet Metal Bandula Nishshanka, Chris Shepherd and Randika Ariyaratna
1330 – 1340 Hrs	Computer Vision Based Approach for Traffic Violation Detection Akila Peiris, EATA Edirisuriya, CD Athuraliya and Isuru Jayasooriya
1340 – 1350 Hrs	CNN based image detection system for elephant directions to reduce human-elephant conflict KSP Premarathna and RMKT Rathnayaka
1350 – 1400 Hrs	Plant Recognition System based on Leaf Images: A Systematic Literature Review S Donesh and UA Piumi Ishanka
1400 – 1430 Hrs	Question and Answer Session
1430 – 1500 Hrs	Summing up by the Chair
1500 – 1530 Hrs	Refreshments

COMPUTING

Technical Session III; Parallel Session II - Readiness for the Electronic Era

Venue: LT 03 - 3rdFloor, Faculty of Medicine

Chairperson	Dr. S. Vasanthapriyan
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1320 Hrs	Improving Web Service Recommendation using Clustering and Model-based Methods LRMAM Weerasinghe and RAHM Rupasingha
1320 – 1330 Hrs	A Systematic Review and Comparison Study of Electronic Medical Record (EMR) Systems to Support Healthcare TA Gamage, WNS Dabarera, KKH Nethmini, GAI Uwanthika, LP Kalansooriya and B Wijay
1330 – 1340 Hrs	Lawyers' Work Management Through Digitization MVT Kawya and N Wedasinghe
1340 – 1350 Hrs	An Analysis of Applying Software Development Methodologies in Military Software Development LM Wijethungaarachchi and SPIU Dayarathna
1350 – 1400 Hrs	Web-Based Workload Maintain System for Midwives in Sri Lanka DWGML Dissanayake, DU Vidanagama and N Wedasinghe
1400 – 1430 Hrs	Question and Answer Session
1430 – 1500 Hrs	Summing up by the Chair
1500 – 1530 Hrs	Refreshments

COMPUTING

Technical Session IV; Parallel Session I- A Road Map to Artificial Intelligence

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

Chairperson	Dr. (Ms.) DDM Ranasinghe
1500 – 1505 Hrs	Introduction of the Chair
1505 – 1510 Hrs	Preliminary Remarks by the Chair
1510 – 1520 Hrs	Projection Profiling Based Sinhala Braille Character Recognition and Conversion W Randika Ariyaratna, L Rasika Kahandagamage and WMP Wasantha Kumara
1520 – 1530 Hrs	Real-Time Traffic Controlling Through Multi-Agent Technology RT Wakkumbura, B Hettige and EATA Edirisooriya
1530 – 1540 Hrs	Domain-Based Similarity Calculation Method for Calculating Document Similarity HMLG Herath and BTGS Kumara
1540 – 1550 Hrs	Thematic Relations based QA Generator for Sinhala T Dissanayake and B Hettige
1550 – 1615 Hrs	Question and Answer Session
1615 – 1630 Hrs	Summing up by the Chair

COMPUTING

Technical Session IV; Parallel Session II - Supremacy of Networking and the Reliance of Security

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

Chairperson	Dr. Ajantha Atukorale
1500 – 1505 Hrs	Introduction of the Chair
1505 – 1510 Hrs	Preliminary Remarks by the Chair
1510 – 1520 Hrs	A Review of Blockchain Consensus Mechanisms: State of the Art and Performance Measures T Thanujan, RACP Rajapakse, and D Wickramaarachchi
1520 – 1530 Hrs	Social Media Sentiment Analysis for Customer Purchasing Behaviour – A Systematic Literature Review MAL Manthirathna, WMHGTCK Weerakoon and RMKT Rathnayaka
1530 – 1540 Hrs	An Alternative Approach to Authenticate Subflows of Multipath Transmission Control Protocol using an Application Level Key T Wijethilake, K Gunawardana, C Keppitiyagama and K de Zoyza
1540 – 1550 Hrs	An Ontology-Based Data Mining Approach for Predicting the Research Ideas using Past Research in the Wildlife Sector of Sri Lanka P Premisha, BTGS Kumara, EP Kudavidanage and K Banujan
1550 – 1600 Hrs	Citizens Acceptance of Online Services in Sri Lanka Police: Study on Police Clearance Online System HANKD Wijaya Sri
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

BASIC AND APPLIED SCIENCES

Technical Session I

Venue: LL3 – 4th Floor, Faculty of Medicine

Chairperson	Dr. G.D. Kapila Kumara
0830 – 0835 Hrs	Introduction of the Chair
0835 – 0840 Hrs	Preliminary Remarks by the Chair
0840 – 0900 Hrs	Promotional instruments to safeguard product quality attributes in the process of production and utilization of organic manure in agri-food value chains in Sri Lanka JASNS Jayakodi, UK Jayasinghe-Mudalige and HACK Jayathilake
0900 – 0920 Hrs	Do farmers prefer eco-friendly technologies over chemical fertilizer: A perception analysis on economic incentives AP Silva, UK Jayasinghe-Mudalige, RS Dharmakeerthi, WS Dandeniya and BLWK Balasooriya
0920 – 0940 Hrs	Enhancement of growth and yield of Maize (<i>Zea mays</i> L.) using co-compost pellets with biochar AWS Pushpakumara, Hrs Senadheera, WJSK Weerakkody, B Ranaweera and DMPS Disanayake
0940 – 1000 Hrs	Performance evaluation of coconut estates: Developing an index to evaluate performance of coconut estates managed by Kurunegala Plantations Ltd LB Dunsford, DMID Dissanayake, TD Nuwarapaksha, KS Weerasinghe and B Gajanayake
1000 – 1030 Hrs	Refreshments

BASIC AND APPLIED SCIENCES

Technical Session II

Venue: LL3- 4th Floor, Faculty of Medicine

Chairperson	Prof. Leslie Jayasekara
1030 – 1035 Hrs	Introduction of the Chair
1035 – 1040 Hrs	Preliminary Remarks by the Chair
1040 – 1100 Hrs	Determinants of life expectancy at birth across nations analyzed using shrinkage and dimension reduction techniques NYJW Samarakoon and WAR De Mel
1100 – 1120 Hrs	Identifying factors for sustaining the zero accident vision: A case of tyre company in Sri Lanka JHAD Chathurangani and AD Dharmawansa
1120 – 1140 Hrs	Sentiment analysis models for effective prediction: A case study on Colombo stock market MVDHP Malawana and RMKT Rathnayaka
1140 – 1300 Hrs	Lunch

BASIC AND APPLIED SCIENCES

Technical Session III

Venue: LL3 – 4th Floor, Faculty of Medicine

Chairperson	Dr. Namal Perera
1300 – 1305 Hrs	Introduction of the Chair
1305 – 1310 Hrs	Preliminary Remarks by the Chair
1310 – 1330 Hrs	Fluoride enhances the antibacterial activity of carrier ionophore antibiotics S Divyasorubini and GN Silva
1330 – 1350 Hrs	Cloning of Rigidoporus microporus laccase gene to enhance Trichoderma reesei cellulase activity on a formulated cost-effective rice straw derived medium in search of bioethanol RMCG Ratnayake, YINS Gunawardena, J Weerasena and RS Dassanayake
1350 – 1410 Hrs	Cytotoxicity and anticancer activity of few garcinol associated metal systems on BHK-21 and RD cell lines HN Fernando, KGUR Kumarasinghe, TDCP Gunasekara, SSN Fernando, PM Jayaweera, SSSBDP Soysa and SP Rajapaksha
1410 – 1430 Hrs	Spacial and temporal variation of long-distance migratory shorebirds in Taleimannar, Mannar island- A key wintering ground for central Asian flyway PABG Panagoda, SW Kotagama and SS Seneviratne
1430 – 1500 Hrs	Refreshments

BASIC AND APPLIED SCIENCES

Technical Session IV

Venue: LL3 – 4th Floor, Faculty of Medicine

Chairperson	Dr. S.H.N.P. Gunawickrama
1500 – 1505 Hrs	Introduction of the Chair
1505 – 1510 Hrs	Preliminary Remarks by the Chair
1510 – 1530 Hrs	Effect of HDAC inhibitors on the stability of HDLP enzyme: an in-silico approach R Dushanan, S Weerasinghe, DP Dissanayake and R Senthilnithy
1530 – 1550 Hrs	Identification of Wolbachia like endosymbiont DNA in Setaria digitata genome and phylogenetic analysis of filarial nematodes MSA Kothalawala, N Rashanthi, TS Mugunamalwatththa, WAS Darshika, GLY Lakmali, RS Dassanayake, YINS Gunawardene, NV Chandrasekharan, P Suravajhala and K de Zoysa
1550 – 1610 Hrs	Polymorphism of dopamine receptor D4 gene in Hill Swallows from montane human settlements C de Silva, MLT Thakshila, E Scordato and SS Seneviratne
1610 – 1630 Hrs	Announcement of Best Oral and Poster Awards

Poster Presentations

DEFENCE AND STRATEGIC STUDIES

Sri Lanka's Civil War: How to Defeat an Insurgency

P Rathnayake

MEDICINE

Perception of General Public on Telecasting Scenes and Issues of Physical Child Abuse and Attitudes and Practices Regarding Such Abuse

HTDW Ariyaratna and SR Hulathduwa

Two unusual cases of complete suicidal hanging

HTDW Ariyaratna

Detection of Past Exposure to Arboviral Infections in a Suburban community in Sri Lanka

H Abeygoonawardena, AD de Silva, RANK Wijesinghe, PBV Navaratne, A Balasuriya, S Mayuran and J Jayawardena

Do clinicians feel competent enough to diagnose dyslexia in Sri Lanka?

WANN Peries, AU Jayatileke, B Indrathne and KAC Alwis

A case-control study examining the corticomotor excitability in the patients of fibromyalgia syndrome

VK Tiwari, S Nanda, U Kumar, R Sharm , SS Kumaran and R Bhatia

Audit on Bed Side Transfusion Safety Practices at University Hospital Kotelawala Defence University – An Observational Study

TI Withanawasam, HMC Herath, AV Varuni, NKG Manodya, PAPP Panditharathna, HMJP Herath, MAC Viduranga and KA Jayawindi

Mosquito larvicidal effect of Garcinia mangostana (mangosteen) pericarp crude extract by interruption of protein mediated cholesterol absorption in Aedes aegypti

NRY Wijebandara, PADHN Gunathilaka, LD Amarasinghe, NWBL Udayanga and TP Muhandiramalage

Estimating the burden of dog bite cases in a tertiary care hospital in Sri Lanka

MMPT Jayasekera, GKG Dasanayake, PMK Bandara, DANL Jayawardhena and KMS Malkanthi K

A pattern of surgical admission to Accident and Emergency (A&E) Department in a Tertiary Care Hospital in Sri Lanka

MMPT Jayasekera, GKG Dasanayake, PMK Bandara, DANL Jayawardhena and KMS Malkanthi

Is today's society deteriorating in moral values

HTDW Ariyaratna and SR Hulathduwa

An evaluation of stigma amongst people in Government and Non-Government institutes towards mental disorders in Sri Lanka

CS Kuruppuarachchi, L Samarasiri, V Gunawardana, S Attygalle, D Kethaki, A Uvais, N Robinson, P Alawatte, A Dayananda and K Weththewa

Assessment of knowledge on STIs and its prevention among first year university students at General Sir John Kotelawala Defence University

MT Ekanayake

Iron and vitamin C content in green leafy vegetables

DN Dahanayake and S Ekanayake

A study on pattern of Breast Cancer presentation at UHKDU Oncology Unit

SL Malaviarachchi, J Balawardane, NRP Perera, AN Senanayake, U Thilakaratne, S Balakrishnan and S Liyanage

Diversity of midgut bacteria among larval and adult stages of dengue vector, *Aedes aegypti* in Gampaha District, Sri Lanka

HAK Ranasinghe, PADHN Gunathilaka, LD Amarasinghe and WWP Rodrigo

Microbiological profile and factors associated with catheter-related blood stream infections and catheter colonisation in intensive care unit patients at a tertiary care hospital in Colombo

LSD Medis, DMBT Dissanayake, J Kottahachchi and D Namali

Community awareness survey on Rickettsial infections (Typhus fever) in Batapola: A high endemic area in Galle District, Sri Lanka

MLS Ashani, TGAN Chandrasena, PADHN Gunathilaka and BAH Premaratna

Knowledge about Well Woman Clinics and the Association of Selected Factors on Overall Knowledge and Clinic Attendance of Women in Kataragama, Sri Lanka

DBU Wijayaratne, MM Wickramanayake, AVCC Wickramasinghe and H Jeevatharan

Standardization of two herbal powdered drugs used in the treatment of uterine fibroids

KPKR Karunagoda, PK Perera, H Senanayake and LDAM Arawwawala

Latent TB infections amongst healthcare workers and close contacts of TB patients in Sri Lanka

PRA Pathirana, DADN Jayatunge, WDSJC Wevita, DGP Kawyangana, KWT Chathuranga, RN Tennakoon, GDHM Gunasekara, JSB Perera, DDA Wijewickrama, B Gunasena and AD de Silva

Knowledge on chronic non-communicable diseases and its association with lifestyle-related factors among teachers in Gampaha educational division with lifestyle-related factors among teachers in Gampaha educational division

EARBD.Somarathne, SASN Solangaarachchi, TDDK Siriwardana and T Wickkramarachchi

Seasonal Variation in Appendicitis – experience in Base Hospital, Homagama, Sri Lanka

SU Nagasinghe, D Wickramasekara and GSKW Jayasekara

Analysis of Aetiology, and Management strategies of Urethral Stricture Disease

SU Nagasinghe and AM Abeygunasekara

Clinical audit on antibiotic prescribing: Aim to improve antibiotic stewardship at University Hospital KDU

WMID Nakkawita, VS Thuduwege, SS Wallin and SATS Samarasinghe

An audit on clinical microbiology laboratory request forms for service quality improvement at University Hospital KDU, Sri Lanka

WMID Nakkawita, ATSA Gunasekera, GM Kallegoda and GGAK Kulatunga

Frequency of Psychological Disorders among Applicants for Undergraduate Studies at General Sir John Kotelawala Defence University

MKOK De Silva, K Hettigoda, T Solomons, BJ Mendis, IM Mudalige, NFJ Fernando and WJC Alwis

A case report of a child with Southeast Asian Ovalocytosis

G Amarakoon, K Perera, A Amarasena and K Wijayarathne

In vitro anti-inflammatory activity of different solvent extracts obtained from *Leea indica* (Burm.f.) Merr. (Burulla/Gurulla) leaves grown in Sri Lanka

T.L.I. Srilal and S.K.Hettihewa

Initial Assessment of Knowledge and Psychosocial Impact in Response to COVID – 19 in Sri Lanka

R Rajramanan, AK Bopitiya and MRM Ruzhan

Service Users Perception on Establishing Birthing Unit at Navy General Hospital Welisara

SNK Rodrigo, N Perera and MKOK De Silva

ENGINEERING

Design of DC-DC Converter for ESP8266 Based IoT Sensor Nodes

K Melaka Perera and MWP Maduranga

Electrical and Electronic Waste Management in Sri Lanka

PKCG Panduwawala and MB Samarakoon

Remote Controllable Multi Weapon Mounting Sentry Platform (“SEKHMET 19”)

HRB Alahakoon, JS Balasooriya, JAMO Jayasooriya, Dr RMPS Bandara, MP Rathnayake and SAAAK Athukorala

Evaluating the Efficiency of a Traffic Signal Light over a Traffic Policeman

TWKIM Dias and NHARS Ekanayake

The Environmental Compatibility in Cement Manufacturing Industry, Galle, Sri Lanka

GHGSG De Silva and TMWRMB Samarakoon

Waste Minimization for Small Airlines by Using Safety Management System Concepts

NBAP Nissanka, SDRT Liyanage and WTS Rodrigo

The Digitalization of Sri Lankan Healthcare: An Analysis of Potential Robotic and Technological Applications for COVID-19 Management

Rosharn Amarasinghe and MEP Ranmuthugala

Controlling Parked Vehicle Interior Temperature Using Renewable Energy 38

WKV Gunasekara, Fa Farmis, KAK Gayantha, RMPS Bandara, SAAAK Athukorala and MP Rathnayake

MANAGEMENT, SOCIAL SCIENCES AND HUMANITIES

Developing Strategies to Improve the Performance of the Resilient Supply Chain (RSC) to Rise Back from Post Covid-19

Dishanthi N Kahaduwa and DD Lokuge

Consumer Intention Towards Self-Banking Services in Sri Lanka: A Study Based on People's Bank

Dilkie Salgado, Nethmi Bandara, Thisuri Peiris and Lahiru Gunathilaka

Celebrity Endorsement and its Effect on Purchase Intention with Reference to Skincare Products in Sri Lanka

Chathumini Munasinghe, Charuka Gunaratne, Hasini Chandrasiri and Lahiru Gunatilake

A Study on Women's Empowerment in Aviation Industry in Sri Lanka

Sahana Vithanagama and RMNT Sirisoma

State Legitimacy and the Criteria for Statehood

LCdr G Duminda Dayananda

Sustainable Competitive Advantage Through Disintermediation with Special Reference to Supermarket Chains in Sri Lanka

TAA Gamage, IPR Vidanapathirana and SGSD Karunathilaka

Factors Affecting the Growth of SME Lending Portfolio of Banking Industry with Reference to Consumer Perspective of XY Bank PLC

Nishan Mallikarachchi and Lahiru Gunathilake

Strategic Impromptu Speaking to Combat Anxiety and Develop a Public Speaking Personality

WSA Fernando

An Exploratory Study of the Role of Gender Stereotyping on Women's Underrepresentation in Higher Managerial Positions in Logistics Industry in Sri Lanka

Trishani Kosgoda

Determinants of Boundaryless Career for Employee Satisfaction

RHPM Ranasinghe, WAH Wanniarachchi, DMDVB Dissanayake and DD Lokuge

Perceived Work-life Balance for the Job Satisfaction of Banking Employees in Sri Lanka

Asanka D Dharmawansa and RAM Madhuwanthi

Impact of Psychological Capital on Academic Performance and Study Stress among Second Year Undergraduates of KDU

Deshini Sirinaga, Jithmi Payagala and KKNP Rathnayake

LAW

Way towards Re-Introducing Criminal Defamation in Digital Diplomacy Affecting National Security: A Comparative Analysis with India

VP Liyanage and DAM Supunika

Punishments under the Quarantine and Prevention of Disease Ordinance in Sri Lanka: Adequate to Fight a Pandemic?

HLI Udani and UI Abeywickrama

Effectiveness of Foreign Portfolio Investment with regard to Multinational Corporations in the Long Run

ND Wanaguru

Proportionality as a Separate Ground of Judicial Review: A Myth or Reality in United Kingdom and Sri Lanka

HA Jinasena

Abuses against Juvenile Offenders as National Security Threats; Rehabilitation and Reintegration of Juvenile Offenders in Sri Lanka

DA Munaweera

Need of Legal Recognition for Distance Working in Post-Covid19 Sri Lanka: An Empirical Approach

DND Kannangara and BANM Balachandra

ALLIED HEALTH SCIENCES

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HWUS Jayasinghe, TIS Swaris, DS Weerasooriya, NVD Maura, IMS Bandara, DMKH Disanayake and ADP Perera

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Pirasanth Niruja, PA Dinesh Coonghe and ST Sarma

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GEE Gunawardana, WMST Kandegedara, AY Perera, MDL Ramdina, RMVS Rathnayake, MHM Thilsath, T Praveena and A Balasuriya

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