

# Technical Programme : Theme - ICT, Mathematics and Statistics RESCON 2023

<b>Friday, 3rd November 2023</b>				
<b>11:00 - 1:00</b>	Session ID	Session Chairs		Location
	<b>ICTMS1</b>	Prof. AAI Perera		<b>A3.2</b>
		Dr. PGRS Ranasinghe		
	Time	Abstract ID	Title	Presenter
	11:00-11:15	188	AN APPLICATION OF GRAPH THEORY IN ASYMMETRIC KEY CRYPTOGRAPHY	Kaveesha Naduni Fernando
	11:15-11:30	193	CHARACTERIZATION OF A CLASS OF INNER TORAL POLYNOMIALS VIA BLASCHKE PRODUCTS	Prabash S.H Premarathna
	11:30-11:45	203	RELATIONSHIP BETWEEN THE KAUFFMAN BRACKET POLYNOMIALS OF TORUS KNOTS: $(T_{(3,3n+1)})$ AND $(T_{(3,3n+2)})$	wayani N Dissanyake
	11:45-12:00	204	MAXIMAL EMBEDDING GENUS OF 3-EDGE CONNECTED HARARY GRAPHS	Kavindu D.H Withanaarachchi
12:00-12:15	205	THE RAINBOW CONNECTION NUMBER OF THE EXTENDED VERSION OF SANDAT GRAPH	Maheshi M.K. Dheerasinghe	
<b>12:15-12:30</b>	<b>Panel Discussion</b>			

## Lunch Break

<b>2:00-4:00</b>	Session ID	Session Chairs		Location
	<b>ICTMS2</b>	Dr. G. W. R. M. R. Palamakumbura		<b>A3.2</b>
		Dr. WNP Rodrigo		
	Time	Abstract ID	Title	Presenter
	2:00-2:15	53	EXPLICIT FINITE DIFFERENCE METHOD FOR THE VALUATION OF AMERICAN PUT OPTION USING LOGARITHMIC FRONT FIXING TRANSFORMATION	P. Selvarajah
	2:15-2:30	140	CONVERGENCE OF FINITE DIFFERENCE METHOD FOR AGE-STRUCTURED TWO-SEX POPULATION DYNAMICS MODEL FOR THALASSEMIA	AMP Chandrasiri
	2:30-2:45	184	ASYMPTOTIC DYNAMICS OF A PERIODIC TOXIN PRODUCING PHYTOPLANKTON MODEL	Piumi Dilshani
	2:45-3:00	185	MODELING THE IMAGE QUALITY ON THE RETINA WITH VARIABILITY OF WAVEFRONT MEASUREMENTS	Saroja Lakshmi
3:00-3:15	191	A MATHEMATICAL MODEL FOR THE SPREAD OF COVID-19 IN SRI LANKA WITH THE ENVIRONMENTAL TRANSMISSION OF CORONAVIRUS	Nirosha Dissanayake	
<b>3:15-3:30</b>	<b>Panel Discussion</b>			

## Saturday, 4th November 2023

<b>8:00-10:00</b>	Session ID	Session Chairs		Location
	<b>ICTMS3</b>	Prof. RD Yapa		<b>A3.2</b>
		Dr. SP Abeyundara		
	Time	Abstract ID	Title	Presenter
	08:00-08:15	2	ASSESSING AGREEMENT BETWEEN TWO MEASUREMENT SYSTEMS USING REPLICATED SCALE MIXTURES OF SKEW-NORMAL MEASUREMENT ERROR MODELS WITH VARYING DEGREES OF FREEDOM	Jeevana Duwarahan
	08:15-08:30	47	COMPARISON OF THE PREDICTIVE PERFORMANCE OF LIU BASED ESTIMATORS.	Thayaparan Kayathiri
	08:30-08:45	106	GENERALIZED LAMBDA DISTRIBUTION BASED QUANTILE REGRESSION MODEL TO ANALYZE THE EXCHANGE RATE MOVEMENTS IN SRI LANKA	Pavithra M Basnayake
	08:45-09:00	146	AN ANALYSIS ON SELECTED VARIABLES INFLUENCING CESAREAN SECTION OF PREGNANT MOTHERS ADMITTED IN THE AMPARA GENERAL HOSPITAL	Garumuni I.C.L De Zoysa
09:00-09:15	156	TIME SERIES ANALYSIS FOR MODELING AND FORECASTING TEA EXPORTS IN SRI LANKA	Thelum T Wickramasurendra	
<b>9:15-9:30</b>	<b>Panel Discussion</b>			

## Tea Break

<b>10:30-12:30</b>	<b>10:30-11:00</b>	<b>Plenary Talk by Dr. Chaminda Ranasinghe @ Coference Hall Block C</b>			
	<b>Session ID</b>		<b>Session Chairs</b>		<b>Location</b>
	<b>ICTMS4</b>		Dr. Hakim Usoof Dr. RD Nawarathna		<b>A3.2</b>
	<b>Time</b>	<b>Abstract ID</b>	<b>Title</b>		<b>Presenter</b>
	11:15-11:30	25	ENSEMBLE LEARNING APPROACH FOR YOUTUBE VIDEOS CLASSIFICATION BASED ON THEIR QUALITY		N.H.T.M. De Siva
	11:30-11:45	44	DECISION TREE ALGORITHMS TO DETERMINE GCE ORDINARY LEVEL STUDENT PERFORMANCE FACTORS INFLUENCING ENGLISH AS A SUBJECT		Amila H.A.K.B Pinnawala
	11:45-12:00	110	COMBINING FASTTEXT EMBEDDINGS WITH NEURAL NETWORKS FOR SHORT TEXT CLASSIFICATION		Kithsrii JRKC jayakody
	12:00-12:15	168	CLASSIFICATION OF SINHALA NEWS USING MACHINE LEARNING APPROACHES		Deshan H Nawarathna
	<b>12:15-12:30</b>	<b>Panal Discussion</b>			

## Lunch Break

<b>1:30-3:30</b>	<b>Session ID</b>		<b>Session Chairs</b>		<b>Location</b>
	<b>ICTMS5</b>		Dr. A.L.A. Romesh R Thanuja Dr. MTM Dewasurendra		<b>A3.2</b>
	<b>Time</b>	<b>Abstract ID</b>	<b>Title</b>		<b>Presenter</b>
	1:30-1:45	40	STUDY ON h-FUNCTION OF A BOUNDED SIMPLY CONNECTED REGION: DISC WITH DELETED DOUBLE SLITS		Arunmaran Mahenthiram
	1:45-2:00	12	A MEMETIC ALGORITHM FOR THE VEHICLE ROUTING PROBLEM WITH MOVING SHIPMENTS AT THE CROSS-DOCKING WAREHOUSE		Reyalt Gnanapragasam
	2:00-2:15	59	Fuzzy Inference System to Identify Disaster Risk Levels in Sri Lanka		Sachini P Karunaratne
	2:15-2:30	73	MANUFACTURERS AND BUYERS INTEGRATED PRODUCTION INVENTORY MODEL WITH BETTER SYNCHRONIZATION		M.S.M Hisam
	2:30-2:45	80	THE ROLE OF BILINGUALISM IN THE REVIVAL OF A DEAD LANGUAGE: MANX IN ISLE OF MAN		Chami P Kariyapperuma
	2:45-3:00	85	A NEW METHOD USING THE GEOMETRIC MEAN TO SOLVE TETRAD FUZZY TRANSPORTATION PROBLEMS		Tharika D.K Ekanayake
	<b>3:00-3:15</b>	<b>Panal Discussion</b>			