

Final HTC Sessions format

S1	A Multi-Agent System for Improving Electroencephalographic Data Classification Accuracy	Biomedical Engineering 1	Prof. Kazuo Kiguchi Dr. Nalin Harischandra
	Do Random Segment Features Classify Epileptic EEG Signals Effectively?		
	Time Domain Analysis for Fetal Movement Detection Using Accelerometer Data		
	A Video Based Heart Rate Monitoring System for Drivers Using Photoplethysmography Signal		
	Comparison of Brain Functional Networks for Subjects with Different Performance		

S2	Nouns Speak: A Novel Approach for Noun Sentiment Scoring	Cloud Computing and Big Data Architectures	Dr. Dilum Bandara Dr. Sulochana Sooriyaarachchi
	Deep Learning-Based Eye Gaze Controlled Robotic Car		
	An Approach to Credit Default Prediction Using Machine Learning		
	A Deep Neural Network Approach for Crop Selection and Yield Prediction in Bangladesh		
	A Machine Learning Approach to Suggest Ideal Geographical Location for New Restaurant Establishment		
	oHealth: Opportunistic Healthcare in Public Transit Through Fog/Edge Computing		

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S3	Power Network Measurement Placement Using Graph Optimization	Power and Energy	Dr. DP Chandima Dr. WD Prasad
	Energy Analyses and Projected Attributes of Sustainable Retrofits: a Case Study at SAINTGITS		
	Calculation of Dynamic Frequency Stability Margin in Islanded Microgrids		
	Novel Approach for Harnessing Maximum Energy from PV Systems Using Supercapacitors		
	Impact of Electric Motorcycles on Distribution Network and Design of a Charger		

S4	Cost Effective Micro Milling Machine for Prototyping Plastic Microfluidic Devices	Biomedical Engineering 2	Dr. Ruwan Ranaweera Dr. Thilina Lalithratne
	Detecting Cervix Type Using Deep Learning and GPU		
	ABO Blood Group Classification Based on Image Processing		
	Classification of Dementia Using Harmony Search Optimization Technique		
	Detecting Adverse Drug Reaction with Data Mining and Predicting Its Severity with Machine Learning		
	Brain Tumor Type Detection Using Texture Features in MR Images		

S5	Challenges of mHealth Implementation in Resource Constrained Settings - The Case of Sahabat Bundaku	Information and Communication Technologies 1	Prof. Koliya Pulasinghe Dr. Buddhika Jayasekara
	Sign Language Recognition		
	Towards Smart Farming: Accurate Prediction of Paddy Harvest and Rice Demand		
	Context Aware and Duty Cycle Based Energy Efficient Geo Locating Methodology		
	Confianza Voting System		

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S6	Ensuring Seamless Connectivity in Internet of Things: The Role of Low Power Lossy Networks	IoT , Robotics and Automation	Prof. Rohan Munasinghe
	An Efficient Tool for Learning Bengali Sign Language for Vocally Impaired People		Dr. Achala Pallegedara
	Heat Stroke Alert System		
	Plastic Waste is Exponentially Filling Our Oceans, but Where are the Robots?		
	Developing a Voice Controlled Wheelchair with Enhanced Safety Through Multimodal Approach		

S7	Smart Restaurant Management and Ordering System	Mobile and Wireless Communications	Dr. Ruwan Udayanga
	Eduscope.Mobile - Mobile Application for Teaching and Learning		Dr. Chathuranga Weeraddana
	Performance Analysis of a Half- Subtractor Operating at 30 GBPS Using Highly Non-Linear Fibers		
	Telemedicine via Satellite: Improving Access to Healthcare for Remote Rural Communities in Africa		
	A Circularly Polarized Microstrip Antenna for GPS Application as Small Boat Guidance		

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S8	Second Order Volterra Filter for Appliance Modelling	Circuits, Systems, and Signal Processing	Prof. Udayanga Hemapala Dr. Sanath Jayawardane
	Implementation of an Oscilloscope Vector Network Analyzer for Teaching S-Parameter Measurements		
	Novel SVM Based Islanding Detection Technique for Low Mismatch of Active Power		
	Multiple Error Self Checking-Repairing Fault Tolerant Adder-Multiplier		
	Energy Efficient Adder for Bio-Medical Applications		
	A Multispectral Imaging System to Assess Meat Quality		

S9	Decentralized Ledger for Land and Property Transactions in Sri Lanka	Information and Communicatio n Technologies 2	Prof. Chandimal Jayawardan e Dr. Indika Perera
	Designing Virtual Keyboards for Brain-Computer Interfaces		
	Education and E-Health for Developing Countries Using NVIS Communications		
	Road Navigation System Using Automatic Speech Recognition and Natural Language Processing		
	Sustainable Tourism: Application of Optimization Algorithms to Schedule Tour Plans		