

Time	Program				
7.30am – 8.30am	Registration				
8.30am – 8.40am	Lighting the Oil Lamp & University Anthem				
8.40am – 8.50am	Welcome Address by Symposium Chair				
8.50am – 9.00am	Address by Prof. Sampath Amaratunge, Vice Chancellor, University of Sri Jayewardenepura				
9.00am – 9.10am	Video Presentations (Introduction Video)				
9.10am – 9.35am	Keynote Speech by Dr. Kamal Ranathunga				
9.35am – 9.45am	Address by Prof. Sudantha Liyanage, Dean, Faculty of Applied Sciences, University of Sri Jayewardenepura				
9.45am – 10.00am	Tea Break				
Technical Sessions: Presentations					
Oral Presentations – Morning Session					
	Process Optimization	Chemistry & Environmental Science	Applied Mathematics	Polymer Science & Technology	Theoretical & Applied Physics
10.00am - 10.20am	Standardization of development process to reduce sample delivery time of Noyon Lanka (Pvt) Ltd Udawatta S. P.	A study on the impacts of ISO 14000 Certification and organizational performance for industrial firms in Sri Lanka Weerasinghe I.H.S.	A model to predict turbidity levels of waster in Kelani river, Sri Lanka and find out required alum dosage for settling suspended solids Jayaweera J.M.T.Y.	Development of a test method to evaluate the stability of synthetic latex lattice in medical glove manufacturing industry Perera N.J.	Efficient synthesis of Graphene from Sri Lankan vein Graphite Dahanayake U.D.P.R.
10.20am-10.40am	Increasing the efficiency of the XYZ company through cost and quality perspectives Wijayarathne D.K.N.T	Rainwater as an alternative drinking water source for CKDU prone areas of Sri Lanka: A case study in Girandurukotte. Perera V.M.M.	Constructing a mathematical model to measure incoming raw material inspection that is capable to identify the defects in output Heshan E.L.	Increasing the lifetime of air bag used in vulcanization process of pneumatic tires using a mixture of Butyl Rubber compound and Paraffin wax Nisansala H.M.D.	Reducing the formation of bald edge defect in glazed Ceramic tiles Samanthura H.N.R.

10.40am-11.00am	An improved approach of performance factor assessment method as a continuous improvement tool for apparel manufacturing Deshappriya K.D.N.M.	Development of a framework for the Green SL Certification process of imported building materials Madhubhashini G.D.B.	Prediction of lot failure in 1000ml water test by analyzing the defects of the machine Mayurapaksha Y.M.W.H.M. M.B.	A Study on the ink deposition on screen in screen printing industry Amarasena S.Y.C.	Formulation of an engobe to avoid formation of water marks in Ceramic floor tiles Dinsi H.D.K.
11.00am-11.20am	Empirical study to investigate ABC leasing company's specific characteristic for leasing defaults Vitharana D.P.	Improvement of compost production process in Karadiyana controlled dump site Maheshika D.G.D.	Minimizing time delays in the loading time of central warehouse in ABC PLC Ranasinghe L.R.R.	Study the factors affecting the stiffness of Nitrile gloves Madushanka R.M.L.	Chemical durability, weathering influence and the rate of degradation in container glass of Piramal Glass Ceylon PLC(PLG) Wijekoon W.M.S.N.
11.20am-11.40am	Identification of optimum returnable glass bottles stock Karunanayake S.R.	Determination of the suitability of recycling plastic pesticide containers into alternative products Perera A.A.C.A.		Nano Kaolin clay to minimize the permanent deformation of Flip-Flops made using Micro Cellular Rubber Lakmali H.A.D.M.	Cognizing the commercial viability of manufacturing Urea utilizing offshore Natural Gas deposits already discovered in the block M2 of Mannar Basin Karunasinghe W.A.C.P.
11.40am-12.00pm	An integrated framework to select best raw material suppliers - A case study in textile industry sector Rathnaweera P.M.	Test the improvement of the efficiency of cooling tower by monitoring the water quality parameters with a change in supplied chemicals Jayathilake J.M.D.M.		Feasibility study of using Nylon and Polyester hybrid tyre cord for Nylon tyre cord in pneumatic tyres Sandamali S.A.	Developing a method to calibrate temperature and humidity measuring instruments Dilrukshi K.D.N.

12.00pm – 1.00pm	Lunch					
Oral Presentations - Evening Session						
	Applied Statistics	Chemistry & Environmental Science	Industrial Relations & Environmental Economics	Food Science & Microbiology	Software Development	Polymer Science & Technology
01.00pm-01.20pm	Application of Queuing Theory to the service counters at ABC motor company Kumara H.N.	Evaluation of Socio – logical impacts of chemical control practices applied for mosquitoes, flies and unpleasant odour in karadiyana controlled dumpsite Madushika N.V.G.S.	Analyzing the factors affecting the work stress level of employees in Credit Administration Department of XYZ bank PLC Koshala L.H.G.	Microbial contaminations of some ready to eat foods available in the local market in Colombo Central area Jayaweera J.A.H.T.	Mobile app for viewing examination results of Faculty of Applied Sciences Karunaratne H.	Study the effect of tyre components and changing possibility of components to develop a cost Effective pneumatic tyre Munasinghe I.L.
01.20pm-01.40pm	An application of Naïve Bayesian Classifier for styles in apparel industry Silva P.E.S.D.	Evaluating the effectiveness of roof rain water harvesting as a solution for increasing water demand in Anuradhapura district Ashanka P.H.	The impact of physical environmental factors on employee performance at XYZ (PVT) Ltd-Free Trade Zone, Koggala, Sri Lanka Wijeratne K.K.D.I.B.	Neutralization of Beta Lactam antibiotic residues by Beta Lactamase in environmental monitoring program Sandali D.K.G.	Interactive social robot for infant to switch their moods Jayaweera W.A.S.S.	The Effect of mechanical physical and chemical properties of Technically Specified Rubber 20 on vulcanization Fernando P.E.J.
01.40pm-02.00pm	A study of the shrinkage in Nylon caster wheel using a statistical method Dinushika W.S.	Behavioral study of <i>Lyriocephalus scutatus</i> under captive conditions in National Zoological Garden of Sri Lanka De Silva M.S.C.	Analyzing the factors affecting employee turnover intention in the IT department of XYZ bank Silva M.D.W.	Microbial analysis of some natural oils used in cosmetic products and development of preservation methods Suraweera S.S.	Green House monitoring and automation system using Arduino K.G.P.H.Sa manthi	Study the effect of mineral fillers on mechanical properties of Nylon-6 composites De silva P.L.V.V.

02.00pm-02.20pm	Business impact of labour turnover in ABC Holdings Lokugamage L.G.D.S.	Production of upgraded pyrolytic char using waste tires Sewwandi R.K.N.	Effective internal employee retention factors for Sri Lankan apparel industry: empirical study of identifying effective employee retention factors for ABC company (PVT) Ltd Dahanayake S.P.	A preliminary survey on the occurrence of Listeria spp. In fruit salads sold in sales outlets at Maitland Place, Colombo 7 Fonseka H.N.S.	GPS based real-time traffic monitoring system for Minneriya National Park Hansanie M.H.M.	Studying the suitability of precipitated Calcium Carbonate to the manufacturing of natural rubber latex gloves Premarathna G.C.A.
02.20pm-02.40pm	Identifying the factors affecting changeover time of knitting machines in a lace manufacturing company Peiris K.K.S.	A comparative study on evaluation of enzyme assisted extraction of functional phytochemicals from the selected wild fruit seeds in Sri Lanka Illesinghe R.D.	Subjective well-being and job satisfaction on employee performance and engagement: A case study in manufacturing industry in Sri Lanka Thilakasiri D.D.C.E.	Determination of total Polyphenol content in tea grown in seven regions of Sri Lanka Lawrence P.K.		
02.40pm-03.00pm	Recidivism among drug offenders in prisons of Sri Lanka Wimalarathna H.G.K.T.	Analysis of the chemical composition of the emitted gas and the lechate formed during the pretreatment process of the Aluminium Dross to be Used as a value-added product Abegunawardene W.D.H.N.		Development and characterization of muffins incorporating Ulva Lactuca (Sea Lettuce) powder Kokilageetha W.D.H.		

	Tea Break
	Address by Dr. Pahan Godakumbura, Course Coordinator B.Sc. (Honors) Degree in Applied Sciences
	Awards Ceremony
	Concluding remarks and vote of thanks by the Secretary of the Organizing Committee

Poster Presentation- Morning Session					
	Chemistry & Environmental Science	Applied Mathematics	Polymer Science & Technology	Software Development	Food Science & Microbiology
10.00am-10.20am	Reduction of Chemical Oxygen Demand by enhancing the activity of tertiary treatment by modifying advanced oxidation process for herbal pharmaceutical industry wastewater. Adikaram D.M.T.P.	Comparative cost analysis for the manual and automated business processes Jayawardana N.L.	Development of plastic brick tile for flooring as a value-added product with the usage of polymer factory wastes Buddhika B.K.L.G.	RFID based system for handling university gate pass Sooriyabandara S.M.N.D.	Optimization of ingredients for enhanced yeast activity in fermented biscuit dough Silva W.T.D.W.
10.20am-10.40am	A preliminary study on water quality of the Galle commercial port, Sri Lanka Nimadi K.N.	Identifying the optimum path and the positions of the bends in PVC and DI pipes in underground water lines Dayan K.P.T.	Reduction of scum formation of specific medical glove type by optimizing the stabilizers in latex compounding Bandara H.M.D.A.	RFID based bill automated system for supermarket Perera S.D.C.	Validation of 3M petri film rapid Coliform Count Plates with ISO 4832: Horizontal method for the enumeration of Coliforms-Colony Count technique for milk and milk products Nuwankumari M.N.
10.40am-11.00am	Identification of suitable plant species for conservation of lower watershed of Kalu river basin of Sri Lanka Amarasinghe A.L.K.	Designing high performance concrete (HPC) with low permeability Kumarasiri H.K.P.	Layer calendaring process optimization in Camso Loadstar Pvt Ltd Karunarathne L.H.A.S.S.	Mobile application to determine scientific names of animals Dias K.M.G.P.K. M.	Determination of shelf life of Yellowfin tuna (<i>Thunnus albacares</i>) with regard to microbial count, histamine level and flesh color change Hansamali L.H.D.

11.00am-11.20am	Study of physicochemical properties of commercially available essential oils and industrial applications Madushika P.L.C.	Evaluating the impact of Nitrogen usage on airbag inflating in tyre manufacturing process Thilakarathne H.P.D.C.	Analysis of properties of Styrene Butadiene Rubber 1502 used in tyre tread Sandamali W.I.		Evaluation of microbial counts in apple flavored beer compared to base beer after exposing to external environment Munugoda K.D.
11.20am-11.40am	Enhancement of Pb (II) removal from waste water by bio-adsorption using chemically modified rice straw Wijerathne K.P.T.M.		Enhancing the wet traction of a tyre Galanga G.G.C.L.B.		Effect of storage on physiochemical parameters and Aflatoxin production in non-roasted chili powder in local markets Rathnayaka K.T.
11.40am-12.00pm	Increase the turbidity removal efficiency in treated water by optimization of coagulation process Ranasinghe S.		Evaluation of properties of Reclaim Rubber types for the production of pneumatic tyre tread compound Wickramaratna H.P.S.T.		
12.00pm-1.00pm	Lunch				
Poster Presentations - Evening Session					
	Chemistry & Environmental Science	Theoretical & Applied Physics	Industrial Relations & Environmental Economics	Applied Statistics	Process Optimization
01.00pm-01.20pm	Reducing salinity of agricultural water for sustainable food production Elamaldeniya E.N.K.S.	Existing background noise distribution based on land use pattern Pathirana H.P.G.J.	Analyzing the factors to develop behavioral based safety culture in ABC apparel manufacturing organization Rashikala K.M.	Identification of influencing factors for three-wheeler operators to convert to electric three wheelers (A case Study conducted at Nugegoda area) Prabardhi K.N.	An analysis of the challenges and barriers of going green in the service sector in Sri Lanka: Special reference to banking sector Witharana L.

01.20pm-01.40pm	Analysis of salt content in dried fish and qualitative detection of artificial food colors in dried prawns in Colombo Municipal Council Lakmini D.P.	The study of the effect of wall nature on performance of ceiling fans in a confined environment (closed room) Perera L.S.R.	Analyzing the factors which influence effective workforce planning on reducing labor turnover in XYZ manufacturing (PVT) Ltd Pieris H.A.R.T.	Identify the absenteeism patterns and its impact on productivity in apparel industry Perera S.L.N.	Analyzing the ways to minimize quality issues and defects during the moulding process Perera H.A.K.H.
01.40pm-02.00pm	Development of a superior quality biodegradable household fabric softener for competitive Sri Lankan market. Manjula D.H.C.	Simulated interactive web based advanced level physics experiments for students Eeshwara M.P.	Analysing suitable factors to make contractors adhere the safety standards in the organization – A case of MK Holdings Wickramaarachchi D.C.H.	A Study on the factors affecting for the consumption and wastage of sewing thread in Omega Line Ltd Madhubhashini A.M.C.	Assessing the factors affecting on schedule instability in ABC pharmaceuticals (Pvt) Ltd Kodithuwakku R.H.L.
02.00pm-02.20pm	Toxicity characteristic leaching procedure implementation at INSEE Ecocycle Lanka (PVT) Ltd De Costa W.A.M.K.	Optimization of compressed air in Ruhunu cement works Karunathilaka V.G.V.M.	Subjective evaluation of service quality on customer satisfaction in leasing industry - a case study in Sri Lanka Iresha D.L.	Creditworthiness Model for a specific micro finance customer group of a commercial bank using big data techniques Bodaragama S.G.	Determination of factors affecting the lead time deviation of development sample submission process of ABC (PVT) LTD Gunasekara T.N.
02.20pm-02.40pm	Determination of Methylene Blue Number and Iodine Number of Activated Carbon used in the treatment of drinking water. Sellahewa P.H.	Increasing the efficiency of aeration and flocculation processes of water treatment by obtaining appropriate infrastructure design criteria Ansar F.H.A.		Identification of different utilities of brand A three-wheelers and the socio-economic profile of the three-wheel drivers in Sri Lanka (based on a survey conducted on customers of ABC company) Ariyawansa K.A.L.S.	Factors affecting group productivity while working in small groups among sewing team members at SAM Apparel Company Hasanika H.B.M.D.

02.40pm-03.00pm		<p>Design and implementation of a Hexapod robot</p> <p>Nonis P. P. S.</p>		<p>Investigation on a lean workflow system for IT logical access management process of customer service executives in XYZ Bank.</p> <p>Jayananda D.N.K.</p>	
03.00pm-03.30pm	Tea Break				
	Address by Dr. Pahan Godakumbura, Course Coordinator B.Sc. (Honors) Degree in Applied Sciences				
	Awards Ceremony				
	Concluding remarks and vote of thanks by the Secretary of the Organizing Committee				