

Research Articles

Section A – Keynote Address	9
How Business Applications Brings True Value to Internet of Things	11
<i>Thomas Säld</i>	
Section B – Information Technology	13
Towards Intelligent Crime Investigation	15
<i>M.A.P. Chamikara, Y.P.R. D. Yapa, S.R. Kodituwakku, R.D.Nawarathna</i>	
Low Cost Virtual Reality Laparoscopy Simulator	27
<i>P. M. Kurupparachchi, L. H. Malavige, A. D. P Prasad, H. M. Withanage, K. Pulasinghe, N. Weerawarna</i>	
Inward Patient Care System	33
<i>A.D. Hapuarachchi, R.N.N. Fernando, T.J. Chathurangi, J.K. Edirisinghe, K.Pulasinghe, U.Samaratunge</i>	
D-REHABIA: A Drug Addiction Recovery Through Mobile Based Application	38
<i>L.U. Somasiri, S.S.G. Galabada, H.M. Wijethunga, H.M. Dayananda, A. Nugaliyadde, S. Thelijjagoda, M. Rajasuriya</i>	
A VHF Based Low Cost Solution for Tsunami Early Warning System, Sri Lanka	44
<i>A.M.U.G.J Poddalgoda, T.D.P.M De Silva, P.D.S.T Pitiyage, M. Kalyanapala and N.Fernando</i>	
ViviSight: A Sophisticated, Data-driven Business Intelligence Tool for Churn and Loan Default Prediction	49
<i>Barun Paudel, T.H. Gopaluwewa, M.R.De. Waas Gunawardena, W.C.H. Wijerathna, Rohan Samarasinghe, Hansa Perera</i>	
Section C – Business Management	57
The Influence of Social Media Marketing on Customer Loyalty towards Clothing Stores	59
<i>G Kodippili, M.T.N Jayawickrama, O.W.D.Y Yugandari, S.D.H Pamudini, H.M.U.S.R. Samarasinghe</i>	
Relationship between Audit Committee Characteristics and Earnings Management in	69
Sri Lanka (2013-2015)	69
<i>C. A. Kankanamge</i>	
Exploring Factors Leading to Intention to Participation on Training: An Exclusive Study on Software Engineers of Virtusa (PVT) Ltd	73
<i>B.A.P.M. Wijayasena, M.K.D Padmasiri</i>	
Impact of Recruitment and Selection, Training and Development, Performance Evaluation, and Compensation (HRM Practices) on Employees’ Trust	79
<i>B Subramaniam, J Selvanayagam, V Yogarajah . .</i>	
The Effect of Customer Perceived value on Customer Satisfaction & Loyalty: A Case of Sri Lankan Pay-TV Industry - A Case of Sri Lanka Telecom PAY TV	84
<i>D.H Jayakody, G. D Samarasinghe, G.N Kuruppu.</i>	
Impact of Social Media on Business Performance: Empirical Study on Apparel Fashion Brand Retailers in Sri Lanka	91
<i>G.D. Samarasinghe, C.M. Suwandaarachchi, E.M.S.T. Ekanayaka</i>	

Section D – Engineering & ICT	99
Fault Analysis and Protection of DC MicroGrids.....	101
<i>A Imantha, P Binduhewa, J Ekanayake, K Liyanage</i>	
Role of Smartphones on Improving Quality of Life	106
<i>T.Dinesh and D.Saraniya</i>	
Optimization of Electric Vehicle Charging Stations with Battery based Energy Storage Systems using a Pulse Charging Mechanism	112
<i>N Perera, S Abeyratne</i>	
TourTrivia: Semantically Implemented Travel Application for Tourists	117
<i>J.W. Seneviratne, K.A.C. Madushan, K.W.C. Thushara, T.D. Perera, Dr. K.Y. Bandara</i>	
The Real-time Virtual Fitting Room: VFIT	124
<i>D.M.S.P.K Dawndasekare, V.S.C Subhasinghe, K.H.S Hemendra, Punsara Anuradha K, Dr Aruni Niroshika</i>	
Novel Smoothing Approach for Indoor Positioning Bluetooth Networks using RSSI	130
<i>C.Anuradha Jayakody S.Lokuliyana, D.R.Vithana, K.D.D.Chathurangi</i>	