REFERENCES

- [1] K.H.P.H.K.Karunasekara, "Analysis on Wind Solar Hybrid System for Stand-Alone power Generation in Sri Lanka", M.S.C.thesis, University of Moratuwa, Sri Lanka, February 2011.
- [2] Kanagaratnam Ratneswaran, "Hybrid Power System for Eluvaithivu Island Sri Lanka", Master of Science, KTH School of Industrial Engineering and Management Energy Technology, 2011.
- [3] Rathneswaran K., Samarakoon K., Drysdale B., and Prof. Ekanayake J., "Effective Demand Side Management for an isolated island Power System in Sri Lanka with Renewable Energy Sources," *Engineer, Journal of the Institution of Engineers*, pp. 19–35, 2015.
- [4] D.T.D.Dissanayake, "Wind- Solar Diesel Hybrid Model for Telecommunication Base stations," MSC thesis, University of Moratuwa, Sri Lanka, February 2011.
- [5] Mohan Kolhe, K. M. Iromi Udumbara Ranaweera and A. G. B. Sisara Gunawardana, "Techno-Economic Optimum Sizing of Hybrid Renewable Energy System", "IEEE Transactions, 2013.
- [6] Cai Guanglin, Chen Rouyi, Lin Yong, and Zhang Yongjun, "Research on Simulations and Model of the Isolated Wind-Solar- Diesel-Battery Hybrid Micro-Grid," China International Conference on Electricity Distribution(CICED), Sep. 2012.
- [7] D.Devaraj and B.Kanaga Sakthivel, Modelling, Simulation and Performance Evaluation of Solar PV Wind Hybrid Energy System, vol. IEEE Transactions, 2015
- [8] Dan Shen, Afshin Izadian, and Ping Liao, "A Hybrid Wind-Solar-Storage Energy Generation System Configuration and Control," *IEEE Transactions*, 2014
- [9] S.M. Mousavi, S.H. Fathi, and G.H. Riahy, "Energy Management of Wind/PV and Battery Hybrid System with Consideration of Memory Effect in Battery," *IEEE Transactions*, 2009.
- [10] "Electrical Power Generation from Fossil Fuels", *Mpoweruk.com*, 2015. [Online]. Available: http://www.mpoweruk.com/fossil_fuels.htm. [Accessed: 28-Nov-2016].
- [11] Ester Hamatwi, Innocent E. Davidson, John Agee, and Ganesh Venayagamoorthy, "Model of a Hybrid Distributed Generation System for a DC

- Nano-Grid," IEEE Transaction, 2016
- [12] H.P. Hemantha Kumara and W.D.A.S. Wijayapala, "An Optimum Wind Solar Hybrid System for Stand -Alone Power Generation," *ENGINEER, The Institution of Engineers, Sri Lanka*, vol. Vol. XLVIII, no. No. 04, pp. 1-15, 2015.
- [13] "Long Term Generation Expansion Plan 2015 2034," Ceylon Electricity Board, Sri Lanka, 2015
- [14] "Battery storage for renewables: market status and technology outlook," International Renewable Energy Agency, Jan. 2015.
- [15] "Renewable power generation costs in 2014," International Renewable Energy Agency, Jan. 2015.
- [16] M.K.Liyanage, "Development of Hybrid power System Controller for Mobile Telecom Base Stations," MSC Thesis, University of Moratuwa, Sri Lanka, 2011.
- [17]"Construction of 60kW, 230V, 50 Hz Hybrid Distributed Energy System in Eluvaithivu Island", Ceylon Electricity Board, 2015.
- [18]D. Roberts, "Statistics 2 Correlation Coefficient and Coefficient of Determination", *Mathbits.com*.[Online].Available:https://mathbits.com/MathBits/TIS ection/Statistics2/correlation.htm. [Accessed: 24- May- 2016].
- [19] Provision of Electricity to Delft and Analaitivu Islands in Jaffna Peninsula, Planning & Development Branch-DD1, Ceylon Electricity Board, Sri Lanka, 2015, p. 4.
- [20] Wind Energy Resource Atlas of Sri Lanka and Maldives NREL (2003)
- [21] CEB Data on Energy Production from wind power plants
- [22] Toshiro Hirose and Hirofumi Matsuo, "Universal Maximum Power Point Tracking in Wind-Solar Hybrid System for Battery Storage Application," International Conference on Embedded Systems (ICES), 2014.

