REFERENCES

[1] P. &. D. Unit, *132kV, 33kV & 11kV NETWORK of CEB -Colombo City,* unpublished: CEB, 2017.

[2] C. C. C. C. SCADA, "Daily Load Report of Colombo City," unpublished, Colombo City, 2020.

[3] L. N. W. Arachchige, *EE 5102 - Power Distribution System Characteristics,* Moratuwa: unpublished, 2018.

[4] M. Wadi, M. Baysal and A. Shobole, "Comparison between open-ring and closed-ring grids reliability," in *2017 4th International Conference on Electrical and Electronic Engineering (ICEEE)*, Ankara, 2017.

[5] O. Ayan, N. Jafarzadeh and B. Turkay, "An Examination of the Effects of Distributed Generation on Distribution Systems by Load Flow Analysis," in *2018 20th International Symposium on Electrical Apparatus and Technologies (SIELA)*, Bourgas, 2018.

[6] A. Zhang, Y. Li, Y. Huang, F. Huang and Z. Liu, "Research on Wide-Area Protection and Control Scheme for Closed-Loop Distribution Network," in *2018 International Conference on Power System Technology (POWERCON)*, Guangzhou, 2018.

[7] A. Keyhani, Keyhani, A.. “Design of Smart Power Grid Renewable Energy Systems.” (2011)., Hoboken, New Jersey: A John Wiley & Sons, Inc., Publications, 2011.

[8] E. Aprilia, K. Meng, M. Al Hosani, H. Zeineldin and Z. Dong, "Unified Power Flow Algorithm for Standalone AC/DC Hybrid Microgrids," *IEEE Transactions on Smart Grid,* vol. 10, no. 1, pp. 639-649, 2019.

[9] A. Adib, F. Fateh and B. Mirafzal, "A Stabilizer for Inverters Operating in Grid-Feeding, Grid-Supporting and Grid-Forming Modes," in *Adib, A., Fateh, F., & Mirafzal, B. (2019). A Stabilizer for Inverters Operating in Grid-Feeding, Grid-Supporti2019 IEEE Energy Conversion Congress and Exposition (ECCE)*, Baltimore, MD, USA, 2019.

[10] S. Reichert, B. Stickan and G. Griepentrog, "Comparison between grid-feeding and grid-supporting inverters regarding power quality," in *IEEE 8th International Symposium on Power Electronics for Distributed Generation Systems (PEDG)*, Florianopolis, Brazil, 2017.

[11] D.-J. Lee and L. Wang, "Small-Signal Stability Analysis of an Autonomous Hybrid Renewable Energy Power Generation/Energy Storage System Part I: Time-Domain Simulations," in *IEEE TRANSACTIONS ON ENERGY CONVERSION*, 2008.

[12] L. Ren and P. Zhang, "Generalized Microgrid Power Flow," in *IEEE Transactions on Smart Grid*, 2018.

[13] P. Kundur, Power System Stability and Control, New York: McGraw-Hill, Inc., 1994.

[14] N. de Silva, *EE 5094 - Power System Stability and Control,* Moratuwa: unpublished, 2019.

[15] L. Y. H. W. G. L. a. W. W. H. Liu, "Small signal modeling and stability analysis on parallel photovoltaic inverters in microgrid," in *IEEE Energy Conversion Congress and Exposition (ECCE)*, Montreal, QC, 2015.

[16] H. L. P. S. a. L. W. Y. Zhang, "Small-signal Stability Analysis of Multiple Grid-connected Virtual Synchronous Generators," in *2018 China International Conference on Electricity Distribution (CICED)*, Tianjin, 2018.

[17] J. Machowski, J. W. Bialek and J. R. Bumby, POWER SYSTEM DYNAMICS Stability and Control, West Sussex: John Wiley & Sons, Ltd., 2008.

[18] M. B. a. A. M. Wadi, "Comparison between open-ring and closed-ring grid reliability," in *2017 4th International Conference on Electrical and Electronic Engineering (ICEEE)*, Ankara, 2017.

[19] D. D. F. G.-E. a. N. C. C. V. Valdivia, "Systematic small signal modeling and stability analysis of a microgrid," in *IEEE 5th International Symposium on Power Electronics for Distributed Generation Systems (PEDG)*, Galway, 2014.