REFERENCES

- [1] "Grid connected Solar PV project in Sri Lanka," International finance corporation, Rep. SP2530-N-01-Phase1A-Assessment of site-Pooneryn Part Ed 4, May, 31, .2018
- [2] Grid code, Transmission division Ceylon electricity board, Sri Lanka, 2015, pp. 24,55
- [3] D.Saleem, R.Majeed, "Reactive Power Management in Distributed Generation," in International Conference on Engineering and Emerging Technologies, Lahore, Pakistan, Feb.21-22, 2019
- [4] G.I.Casillas, et al., "Voltage Regulators, Capacitor Banks and Distributed Resources Allocation in a Distribution Network System," in IEEE PES Innovative Smart Grid Technologies Conference, Quito, Ecuador, Latin America, Sep.20-22, 2017
- [5] P. Kundur, "Power System Stability and Control," McGraw- Hill, New York, 1994, pp.27-36
- [6] Paven penkey, Husan Samkari, Brian K.Johnson and Herbet L.Hess, "Voltage control by using Capacitor banks and tap changing transformer in a renewable microgrid," in 2017 IEEE power & Energy Society Innovative smart gid Technologies Conference (ISGT), Washington, DC, 2017
- [7] CEB long term generation expansion plan 2022 2041, CEB, Sri Lanka, Octomber.2021
- [8] James M Fogarty and Ryan M LeClair, "Converting existing synchronous generator into synchronous condensers," https://www.power-eng.com/coal/converting-existing-synchronous-generators-into-synchronous-condensers/#gref(Accessed: Aug 01, 2022).
- [9] Sara Wolf, "How does weather affect solar panels' production," https://www.paradisesolarenergy.com/blog/how-does-weather-affect-solar-panels-production (Accessed: Jan 20, 2022).
- [10] K.M.T.Kalpage, K.R.D.Peiris, N.W.A.Lidula and M.G.C.I.Siriwardana, "Wind resource assessment and turbine selection: case study of Mannar, Sri Lanka", Electrical Engineering Conf., Dec.2015. [Online]. Available: https://www.researchgate.net/publication/316860778_Wind_Resource_Assessment _and_Turbine_Selection_Case_Study_for_Mannar_Sri_Lanka.

- [11] Vimukthi Gamage, ..etc., "Battery Energy Storage based Approach for Grid Voltage Regulation in Renewable Rich Distribution Networks," in 2nd IEEE International conference on industrial electronics for sustainable energy system, Cagliari, Italy, 1-3 Sept. 2020
- [12] "Variable unit cost of thermal plants", System control center, Ceylon Electricity Board, Sri Lanka, Jan. 2023
- [13] USAID's Greening the Grid. Deploying Cost-Effective Battery Energy Storage Systems (BESS) into the Indian Grid. (May. 12, 2020). Accessed: Jan. 20, 2022. [Online Video]. Available: https://youtu.be/cugPQeiUYY4
- [14] "Annual Report 2020", Ceylon Electricity Board, Sri Lanka, Accessed: Mar. 12, 2022. [Online]. Available: https://ceb.lk/publication-media/annual-reports/108/en
- [15] Ceylon Electricity Board, Non-conventional renewable energy tariff announcement, (Sep. 01, 2022), [Online]. Available: https://ceb.lk/front_img/tender_pdf/220909140920tariff_publish_2022.pdf
- [16] Ceylon Petroleum Corporation, Historical prices, (Oct. 17, 2022), [Online]. Available: https://ceypetco.gov.lk/historical-prices/
- [17] A.R. Thorat, ...etc, "Resistive Capacitive Switching Technique for the Mitigation of Power Capacitor Switching Transients" in T2019 International Conference on Computation of Power, Energy, Information and Communication, Melmaruvathur, India, 28 March 2019
- [18] M.G.Dozein, O.G.Bellumunt and P.Mancarella, "Simultaneous Provision of Dynamic Active and Reactive Power Response from Utility-Scale BESS in Weak Grids." in IEEE Transactions on Power Systems, Vol. 36, no. 6, pp. 5548-5557, Nov. 2021
- [19] J.Anitha Thulasi, V.Anuja and M.Arokia Mary, "A Novel voltage regulator Battery energy storage system for renewable energy system," in 2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT), Chennai, India, March 2016