6. **REFERENCES**

- Alshibani, A., & Moselhi, O. (2016). Productivity based method for forecasting cost & time of earthmoving operations using sampling GPS data. *ITcon*, 21, 39-56.
- Amirkhanain, S. N., & Baker, N. J. (1992). Expert system for equipment selection for earthmoving operations. *Journal of Construction Engineering and Management*, 118(2), 318–333.
- Arditi, D., Kale, S., & Tangkar, M. (1997). Innovation in construction equipment and its flow into the construction industry. *Journal of Construction Engineering* and Management, 123(4), 371-378.
- Aslan, B., & Koo, D.-H. (2012). Productivity enhancement for maintenance equipment operations using telematics technology. Paper presented at the Construction Research Congress 2012: Construction Challenges in a Flat World.
- Berber, M., Ustun, A., & Yetkin, M. (2012). Comparison of accuracy of GPS techniques. *Measurement*, 45(7), 1742-1746.
- Bogahawatta, J., & Amarathunge, B. (2019). Construction Equipment Management through Selection, Maintenance and Replacement Practice.
- Caldas, C. H., Torrent, D. G., & Haas, C. T. (2006). Using global positioning system to improve materials-locating processes on industrial projects. *Journal of Construction Engineering and Management*, 132(7), 741-749.
- CIDA. (2022). Search by Grade and Main Field. Retrieved from https://www.cida.gov.lk/
- Dabove, P., Di Pietra, V., & Piras, M. (2020). GNSS Positioning Using Mobile Devices with the Android Operating System. *ISPRS International Journal of Geo-Information*, 9(4), 220.
- Eilon, S., King, J. R., & Hutchinson, D. E. (1966). A Study in Equipment Replacement. *Operational Research Society*, 17(1), 59-71.
- Geotab. (2021). What is telematics? Retrieved from <u>https://www.geotab.com/blog/what-is-telematics/</u>
- Gransberg, D. D., Popescu, C. M., & Ryan, R. (2006). *Construction Equipment Management for Engineers, Estimators, and Owners*. New York: CRC Press Taylor & Francis Group.
- Gunawardena, N. D. (1990). A Methodology for Optimising Maintanance and Replacement of Construction Equipment. In *PhD Thesis*: Loughborough University.
- Gurmu, A. T., & Aibinu, A. A. (2017). Construction equipment management practices for improving labor productivity in multistory building construction projects. *Journal of Construction Engineering and Management, 143*(10), 04017081.
- Han, S., Lee, S., & Halpin, D. W. (2005). Productivity evaluation of the conventional and GPS-based earthmoving systems using construction simulation. Paper

presented at the Construction Research Congress 2005: Broadening Perspectives.

- Han, S., Lee, S., Hong, T., & Chang, H. (2006). Simulation analysis of productivity variation by global positioning system (GPS) implementation in earthmoving operations. *Canadian Journal of Civil Engineering*, 33(9), 1105-1114.
- Harris, F., & McCaffer, R. (1982). Construction Plant-Management and Investment Decisions. London: Granada Publishing Ltd.
- Jaafari, A., & Mateffy, V. K. (1990). Realistic Model for Equipment Replacement. Journal of Construction Engineering and Management, 116(3), 514-532.
- Jagushte, V. (2017). Usability review of telematics for construction equipment fleet management. *University of Florida*.
- Kannan, G. (2011). Field studies in construction equipment economics and productivity. *Journal of Construction Engineering and Management*, *137*(10), 823-828.
- Koehrsen, C. L., Sahm, W. C., & Keefer, C. W. (2001). GPS—Based Earthmoving for Construction. In *Digital Earth Moving* (pp. 4-17): Springer.
- Lee, S. S., Park, S.-i., & Seo, J. (2018). Utilization analysis methodology for fleet telematics of heavy earthwork equipment. *Automation in Construction*, *92*, 59-67.
- Medagama, M., Gamage, D., Wijesinghe, L., Leelaratna, N., Karunaratne, I., & Dias, D. (2008). GIS/GPS/GPRS and Web–based framework for fleet tracking.
 Paper presented at the National Conference on Geoinformatics Applications Sri Lanka.
- Minni, R. (2013). A cost efficient real-time vehicle tracking system. *International Journal of Computer Applications*, 81(11).
- Ok, S. C., & Sinha, S. K. (2006). Construction equipment productivity estimation using artificial neural network model. *Construction Management and Economics*, 24(10), 1029-1044.
- Oloufa, A. A., Ikeda, M., & Oda, H. (2003). Situational awareness of construction equipment using GPS, wireless and web technologies. *Automation in Construction*, 12(6), 737-748.
- Peurifoy, R. L., Schexnayder, C., & Shapira, A. (2017). Construction Planning, Equipment, and Methods (7th edition. ed.). New York: McGraw-Hill Education.
- Pradhananga, N., & Teizer, J. (2012, 9-12 Dec. 2012). *GPS-based framework towards more realistic and real-time construction equipment operation simulation*. Paper presented at the Proceedings of the 2012 Winter Simulation Conference (WSC).
- Ranjithapriya, R., & Arulselvan, S. (2020). Study on Factors Affecting Equipment Management and its Effect on Productivity in Building Construction. *International Journal of Engineering Research & Technology (IJERT)*, 9(4), 223-230.
- Rauhof, B. (2020). Using tracking for cost management in off-road applications. Retrieved from <u>https://www.geotab.com/blog/cost-management-in-off-road/</u>
- Ravikumar, A. (2020). History of GPS satellites and commercial GPS tracking. *Fleet Management*. Retrieved from <u>https://www.geotab.com/blog/gps-satellites/</u>

- Reclus, F., & Drouard, K. (2009). Geofencing for fleet & freight management. Paper presented at the 2009 9th International Conference on Intelligent Transport Systems Telecommunications,(ITST).
- Tatari, O., & Skibniewski, M. (2006). Integrated agent-based construction equipment management: Conceptual design. *Journal of Civil Engineering and Management*, 12(3), 231-236.
- Vorster, M. C., & De La Garza, J. M. (1990). Consequential equipment costs associated with lack of availability and downtime. *Journal of Construction Engineering and Management* 116(4), 656–669.
- Yip, H.-l., Fan, H., & Chiang, Y.-h. (2014). Predicting the maintenance cost of construction equipment: Comparison between general regression neural network and Box–Jenkins time series models. *Automation in Construction*, 38(1), 30–38.