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Publication Details:

- 1. Nair, B.B. and Mohandas, V.P., 2015. An intelligent recommender system for stock trading. *Intelligent Decision Technologies*, *9*(3), pp.243-269.
- 2. Nair, B.B. and Mohandas, V.P., 2015. Artificial intelligence applications in financial forecasting—a survey and some empirical results. *Intelligent Decision Technologies*, *9*(2), pp.99-140.
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- 5. Sumesh, A., Thekkuden, D.T., Nair, B.B., Rameshkumar, K. and Mohandas, K., 2015. Acoustic signature based weld quality monitoring for SMAW process using data mining algorithms. In *Applied Mechanics and Materials* (Vol. 813, pp. 1104-1113). Trans Tech Publications Ltd.
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- 9. Nair, B.B., Kumar, P.S., Sakthivel, N.R. and Vipin, U., 2017. Clustering stock price time series data to generate stock trading recommendations: An empirical study. *Expert Systems with Applications*, 70, pp.20-36.
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- 12. Singh, A.K., John, B.P., Subramanian, S.V., Kumar, A.S. and Nair, B.B., 2016, December. A low-cost wearable Indian sign language interpretation system. In 2016 International Conference on Robotics and Automation for Humanitarian Applications (RAHA) (pp. 1-6). IEEE.
- 13. Saravanamurugan, S., Thiyagu, S., Sakthivel, N.R. and Nair, B.B., 2017. Chatter prediction in boring process using machine learning technique. *International Journal of Manufacturing Research*, 12(4), pp.405-422.
- 14. Sumesh, A., Nair, B.B., Rameshkumar, K., Santhakumari, A., Raja, A. and Mohandas, K., 2018. Decision tree based weld defect classification using current and voltage signatures in GMAW process. *Materials Today: Proceedings*, 5(2), pp.8354-8363.
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- 19. Vats, A. and Nair, B.B., 2018, May. An Improved Driver Assistance System for Detection of Lane Departure Under Urban and Highway Driving Conditions. In *International Conference on Information, Communication and Computing Technology* (pp. 31-43). Springer, Singapore.
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- 25. Naik, R.K. and Nair, B.B., 2019, July. Improving GPS based distance measurement accuracy using Machine Learning: an empirical study. In 2019 International Conference on Communication and Electronics Systems (ICCES) (pp. 1294-1299). IEEE.
- 26. Sinalkar, S. and Nair, B.B., 2019, June. Stereo Vision-Based Path Planning System for an Autonomous Harvester. In *International Conference on Soft Computing and Signal Processing* (pp. 499-510). Springer, Singapore.
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- 28. Nair, B.B., Ram, D.H., Panda, M.K., Balaji, A.J., Kumar, T.G. and Mohan, V., 2020. Future Engineering Curricula: Balancing Domain Competence with CPS Readiness. *IEEE Design & Test*.
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- 30. Meena, R., Nair, B.B. and Sakthivel, N.R., 2020. Machine Learning Approach to Condition Monitoring of an Automotive Radiator Cooling Fan System. In *Advances in Electrical and Computer Technologies* (pp. 1007-1020). Springer, Singapore.