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- [5] Bucos, M.; Drăgulescu, B. (2018): Predicting student success using data generated in traditional educational environments. TEM Journal, 7(3), pp. 617-625.
- [6] Gorad, N.; Zalte, I.; Nandi, A.; Nayak, D. (2017): Career counseling using data mining. International Journal of Engineering Science and Computing, 7(4), pp. 10271-10274.
- [7] Han J.; Kamber M.; Pie J. (2012). *Data mining: concepts and techniques (The Morgan Kaufmann Series in Data Management Systems)* 3rd edn. Morgan Kaufmann publishers, Waltham, MA.
- [8] Kotu, V.; Deshpande, B. (2014). *Predictive analytics and data mining: concepts and practice with RapidMiner*, 1st edn. Morgan Kaufmann publishers, Waltham, MA.
- [9] Na, Wei. (2020). A data mining method for students' behavior understanding. International Journal of Emerging Technologies in Learning, 15(6), pp. 18-31.
- [10] Nie, M.; Xiong, Z.; Zhong, R.; Deng, W.; Yang, G. (2020): Career choice prediction based on campus big data-mining the potential behavior of college students. Applied Sciences (Switzerland), 10(2841), pp. 1-14.
- [11] Nunman, T. (2017). *Working which are not related with Bachelor's Degree: Reflection on Inflation Society*. Retrieved from: <https://www.posttoday.com/politic/report/418945/>, [accessed: 1 March 2021].
- [12] Othman, Z.; Shan, S. W.; Yusoff, I.; Kee, C.P. (2018): Classification techniques for predicting graduate employability. International Journal on Advanced Science, Engineering and Information Technology, 8(4), pp. 1712-1720.
- [13] Piad, K. C.; Ballera, M. A. (2014): Predicting IT employability using data mining techniques. The Third International Conference on Digital Information Processing, Data Mining, and Wireless Communications, January 2014, pp. 26-30.
- [14] Rangnekar, R.H.; Suratwala, K.P.; Krishna, S.; Dhage, S. (2018): Career prediction model using data mining and linear classification. In 2018 Proceedings of The 4th International Conference on Computing, Communication Control and Automation (ICCUBEA), Pune, India, pp. 1-6.
- [15] Sridevi, M.; Arun Kumar, B.R. (2021): A framework for performance evaluation of machine learning techniques to predict the decision to choose palliative care in advanced stages of alzheimer's disease. Indian Journal of Computer Science and Engineering, 12(1), pp. 35-46.
- [16] Sripath R. K.; Roopkath, K.; Uday T. V.; Bhavana, V.; Priyanka, J. (2018): Student career prediction using advanced machine learning techniques. International Journal of Engineering and Technology (UAE), 7(2), pp. 26-29.
- [17] Sodanil, M.; Chotirat, S.; Poomhiran, L.; Viriyapant, K. (2019): Guideline for academic support of student career path using mining algorithm. The Third International Conference on Natural Language Processing and Information Retrieval, ACM International Conference Proceeding Series, Tokushima, Japan, pp. 133-137.
- [18] The Nation. (2018). *Experts worried about lack of Thai digital skills*. Retrieved from: <https://www.nationthailand.com/national/30343718>, [accessed: 22 April 2021].
- [19] Vinothin L, A.; Baghavathi, P.S. (2020): Disease prediction model on imbalanced data using machine learning techniques. Indian Journal of Computer Science and Engineering, 11(6), pp. 708-718.
- [20] Vivek Raj, S. N.; Manivannan, S.K. (2021): Modelling a machine learning classifier for predicting student's entrepreneurial intentions. Indian Journal of Computer Science and Engineering, 12(3), pp. 598-604.
- [21] Witten, I. H.; Frank, E.; Hall, M.A.; Pal, C.J. (2017). *Data mining: practical machine learning tools and techniques (Morgan Kaufmann Series in Data Management Systems)*, 4th edn. Morgan Kaufmann publishers, Cambridge, MA.

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