- [6] R. Asgarnezhad and K. Ali Mohsin Alhameedawi, "PEML-E: EEG eye state classification using ensembles and machine learning methods," J. Adv. Comput. Eng. Technol., vol. 7, no. 2, pp. 147–156, 2021.
- [7] F. Grassmann et al., "A deep learning algorithm for prediction of age-related eye disease study severity scale for age-related macular degeneration from color fundus photography," Ophthalmology, vol. 125, no. 9, pp. 1410–1420, 2018.
- [8] J. Karlin et al., "Ensemble neural network model for detecting thyroid eye disease using external photographs," Br. J. Ophthalmol., 2022.
- [9] U. N. Wisesty, H. Priabdi, R. Rismala, and M. D. Sulistiyo, "Eye state prediction based on EEG signal data neural network and evolutionary algorithm optimization," Indones. J. Comput., vol. 5, no. 1, pp. 33–44, 2020.
- [10] Ö. F. Ertuğrul, "A Single Hidden Layer Artificial Neural Network Model that Employs Algebraic Neurons: Algebraic Learning Machine," 2021.
- [11] T. G. Dietterich, "Ensemble methods in machine learning," in International workshop on multiple classifier systems, 2000, pp. 1–15.
- [12] L. Breiman, "Bagging predictors," Mach. Learn., vol. 24, no. 2, pp. 123-140, 1996.
- [13] C. N. Silla and A. A. Freitas, "A survey of hierarchical classification across different application domains," Data Min. Knowl. Discov., vol. 22, no. 1, pp. 31–72, 2011.
- [14] R. Asgarnezhad, "SRV: A Striking Model based on Meta-Classifier for Improving Diagnosis Type 2 Diabetes," Journal of Advances in Computer Research, vol. 13, no. 2, pp. 1-13, 2022.
- [15] R. Asgarnezhad, and A. Monadjemi, "NSE: An effective model for investigating the role of pre-processing using ensembles in sentiment classification," Journal of Advances in Computer Research, vol. 12, no. 3, pp. 27-41, 2021.

Authors Profile



Susan Waleed Mohammed Al-Bayati received her B.Sc. degree in Software Engineering from Al-Rafidain University in 2014 and MSc. degree in Computer Engineering Isfahan Azad University in 2023 and Arak Azad University in 2012, respectively.



Razieh Asgarnezhad, received her B.Sc. and MSc. degrees in Computer Engineering from Kashan Azad University in 2009 and Arak Azad University in 2012, respectively. She received Ph.D. degree from Isfahan Azad University in 2020. She is an assistant professor at Aghigh Institute of Higher Education Shahinshahr now. Her current researches include Data Mining, Text Mining, Learning Automata, Recommendation System, Sentiment Analysis, and Wireless Sensor Network.



Karrar Ali Mohsin Alhameedawi received his B.Sc. degrees in Computer Engineering from the Al-Rafidain University of Baghdad in 2018. He received a certified international development trainer specialized in human development from Germany in 2019. After one year, he received the title of the best humanitarian personality in Iraq in 2020. He has experience as a website developer, programmer, the highest educational social networking site in Iraq, and an electronic contest program. He is a member of seven international institutions and has received 200 certificates and a letter of thanks from European and local countries. He is currently an MSc. student at Azad Isfahan University. His current researches include Data Mining and Big Data.