**Links to Any Data Gathered or Data Analysis Planned**

To support our project on water quality monitoring, we have reviewed academic literature on water contamination, sensor-based water monitoring, and IoT applications for real-time water quality assessment. The following sources provide background on the problem and possible solutions:

1. **Water Quality and Contamination:**
   * WHO. (2017). "Guidelines for Drinking-water Quality." World Health Organization. Available at: <https://www.who.int/publications/i/item/9789241549950>
   * Sankhla, M.S., Kumari, M., Nandan, M., Kumar, R. and Agrawal, P., 2016. Heavy metals contamination in water and their hazardous effect on human health-a review. *Int. J. Curr. Microbiol. App. Sci*, *5*(10), pp.759-766. Available at: <https://www.ijcmas.com/abstractview.php?ID=1020&vol=5-10-2016&SNo=82>
2. **Sensor-Based Water Monitoring:**
   * Lakshmikantha, V., Hiriyannagowda, A., Manjunath, A., Patted, A., Basavaiah, J. and Anthony, A.A., 2021. IoT based smart water quality monitoring system. *Global Transitions Proceedings*, *2*(2), pp.181-186. Available at: <https://www.sciencedirect.com/science/article/pii/S2666285X2100090X>
   * Koditala, N.K. and Pandey, P.S., 2018, August. Water quality monitoring system using IoT and machine learning. In *2018 International Conference on Research in Intelligent and Computing in Engineering (RICE)* (pp. 1-5). IEEE. Available at: <https://ieeexplore.ieee.org/abstract/document/8509050>
   * Kelechi, A.H., Alsharif, M.H., Anya, A.C.E., Bonet, M.U., Uyi, S.A., Uthansakul, P., Nebhen, J. and Aly, A.A., 2021. Design and Implementation of a Low-Cost Portable Water Quality Monitoring System. *Computers, Materials & Continua*, *69*(2). Available at: <https://cdn.techscience.cn/ueditor/files/cmc/TSP_CMC_69-2/TSP_CMC_18686/TSP_CMC_18686.pdf>
   * Forhad, H.M., Uddin, M.R., Chakrovorty, R.S., Ruhul, A.M., Faruk, H.M., Kamruzzaman, S., Sharmin, N., Jamal, A.S.I.M., Haque, M.M.U. and Morshed, A.M., 2024. IoT based real-time water quality monitoring system in water treatment plants (WTPs). *Heliyon*, *10*(23). Available at: <https://www.sciencedirect.com/science/article/pii/S2405844024167771>
   * Hong, W.J., Shamsuddin, N., Abas, E., Apong, R.A., Masri, Z., Suhaimi, H., Gödeke, S.H. and Noh, M.N.A., 2021. Water quality monitoring with arduino based sensors. *Environments*, *8*(1), p.6. Available at: <https://www.mdpi.com/2076-3298/8/1/6>
3. **Blynk for IoT Water Monitoring:**
   * Gubbi, J., Buyya, R., Marusic, S., & Palaniswami, M. (2013). "Internet of Things (IoT): A vision, architectural elements, and future directions." *Future Generation Computer Systems*, 29(7), 1645-1660. Available at: <https://www.sciencedirect.com/science/article/abs/pii/S0167739X13000241?via%3Dihub>
   * Bayborodin, P. (2014) *Manual device activation*, *Blynk Documentation*. Available at: <https://docs.blynk.io/en/getting-started/activating-devices/manual-device-activation>