Research Publications– Dr Rajan Kadel

Journal Articles

1   Guruge, D. B., & **Kadel**, R. (2023). Towards an holistic framework to mitigate and detect contract cheating within an academic institute—a proposal. *Education Sciences*, *13*(2), 148. 🔗 doi:https://doi.org/10.3390/educsci13020148

2   Kwan, P., Memon, T. D., Hashmi, S. S., Rhode, F., & **Kadel**, R. (2022). An empirical study of student's perception of and key factors affecting overall satisfaction in an intensive block mode and flipped classroom. *Education Sciences*, *12*(8). 🔗 doi:10.3390/educsci12080535

3   Paudel, K., **Kadel**, R., & Guruge, D. B. (2022). Machine-learning-based indoor mobile positioning using wireless access points with dual ssids-an experimental study. *Journal of Sensor and Actuator Networks*, *11*(3). 🔗 doi:10.3390/jsan11030042

4   Aziz, S., **Kadel**, R., Guruge, D. B., Paudel, K., & Karagiannidis, V. (2021). Mobile learning approaches and its impact on student's education—A survey. *International Journal of Information and Education Technology*, *11*(9), 429–435.

5   Guruge, D. B., **Kadel**, R., & Halder, S. J. (2021). The state of the art in methodologies of course recommender systems—a review of recent research. *Data*, *6*(2). 🔗 doi:10.3390/data6020018

6   Islam, N., Rashid, M. M., Pasandideh, F., Ray, B., Moore, S., & **Kadel**, R. (2021). A review of applications and communication technologies for internet of things (iot) and unmanned aerial vehicle (uav) based sustainable smart farming. *Sustainability*, *13*(4). 🔗 doi:10.3390/su13041821

7   **Kadel**, R., Paudel, K., Guruge, D. B., & Halder, S. J. (2020). Opportunities and challenges for error control schemes for wireless sensor networks: A review. *Electronics*, *9*(3). 🔗 doi:10.3390/electronics9030504

8   **Kadel**, R., Islam, N., Ahmed, K., & Halder, S. J. (2019). Opportunities and challenges for error correction scheme for wireless body area network—a survey. *Journal of Sensor and Actuator Networks*, *8*(1). 🔗 doi:10.3390/jsan8010001

Conference Proceedings

1   **Kadel**, R., & Lechner, G. (2023). Full diversity low-density parity-check (LDPC) codes for block-fading channel. In *2023 International conference on electronics, information, and communication (ICEIC)* (pp. 1–5). IEEE.

2   B. Guruge, D., Paudel, K., **Kadel**, R., Aziz, S., & Karagiannidis, V. (2021). Analysing student expectation on mobile technologies to enhance student learning experience. In *2021 2nd international conference on education development and studies* (pp. 45–49).

3   Gurung, M. P., Paudel, K., & **Kadel**, R. (2020). Comparative analysis of popular digital assessment tools for formative assessment on networking courses. In *14th international technology, education and development conference*. IATED.

4   Odewole, T., & Kadel, R. (2020). Smart attendance system in an enterprise-based access point environment. In *2020 30th international telecommunication networks and applications conference (itnac)* (pp. 1–6). IEEE.

5   Banepali, A., **Kadel**, R., Guruge, D. B., & Halder, S. J. (2019). Design and implementation of wi-fi based attendance system using raspberry pi. In *2019 29th international telecommunication networks and applications conference (ITNAC)* (pp. 1–6). IEEE.

6   **Kadel**, R., Paudel, K., & Gurung, M. P. (2019). A review on educational games design, development and effectiveness measurement. In *2019 ieee international conference on engineering, technology and education (TALE)* (pp. 1–7). IEEE.

7   Li, S., & **Kadel**, R. (2019). Design of a hybrid RFID-WLAN based smart parking and vehicle finding system. In *2019 cybersecurity and cyberforensics conference (CCC)* (pp. 56–61). IEEE Computer Society.

8   Gurung, M. P., & **Kadel**, R. (2018). Efficacy of moodle forum in teaching and learning. In *The Asian conference on education 2018 official conference proceedings*.

9   **Kadel**, R., Halder, S. J., Paudel, K., & Gurung, M. P. (2018). Analyzing effect of GBL on student engagement and academic performance in computer networking course. In *Proceedings of the 20th International conference on information integration and web-based applications & services* (pp. 143–145).

10   **Kadel**, R., & Islam, N. (2018). Comparison of channel models for wireless body area networks (WBANS). In *2018 IEEE conference on wireless sensors (ICWiSe)* (pp. 77–82). IEEE.

11   **Kadel**, R., Ahmed, K., & Nepal, A. (2017). Adaptive error control code implementation framework for software defined wireless sensor network (SDWSN). In *2017 27th International telecommunication networks and applications conference (ITNAC)* (pp. 1–6). IEEE.

12   **Kadel**, R., & Lechner, G. (2013). Repeat-accumulate codes for block-fading channels. In *2013 Australian communications theory workshop (AUSCTW)* (pp. 37–42). IEEE.

13   **Kadel**, R., & Lechner, G. (2012). Full diversity binary message-passing decoders for block fading channels. In *2012 Australian communications theory workshop (AUSCTW)* (pp. 66–71). IEEE.

Theses

1   **Kadel**, R. (2013). Full-diversity codes for block-fading channels. University of South Australia. PhD Thesis.

2   **Kadel**, R. (2007). Decoder design and implementation on fpga for small UAVs. University of Gävle. Master Thesis.