

Publications based on the Thesis Works

Journals

1. **Hussain, I.**, Ahmed, Z. I., Sarma, N. and Saikia, D. K., “An Efficient TDMA MAC Protocol for Multi-hop WiFi-based Long Distance Networks”, communicated to *Wireless Personal Communications* (Springer)
2. **Hussain, I.**, Ahmed, Z. I., Saikia, D. K. and Sarma, N., “A QoS-aware Dynamic Bandwidth Allocation Scheme for Multi-hop WiFi-based Long Distance Networks”, *EURASIP Journal on Wireless Communications and Networking*, Vol.2015, No.1, pp. 1–18, June 2015 (Springer)
3. **Hussain, I.**, Sarma, N., and Saikia, D. K., “TDMA MAC Protocols for WiFi-based Long Distance Networks: A Survey”, *International Journal of Computer Applications (IJCA)*, Vol. 94, No. 19, pp. 1–8, May 2014

Conferences/Workshops

4. **Hussain, I.**, Ahmed, N., Saikia, D. K., and Sarma, N., “A QoS-aware Multipath Routing Protocol for WiFi-based Long Distance Mesh Networks”, in the proc. of *International Conference on Emerging Technology Trends in Electronics, Communication and Networking (ET2ECN 2014)*, pp. 1–8, Dec 26-27, 2014, Surat, India (IEEE)

5. **Hussain, I.**, Ahmed, Z. I., Sarma, N. and Saikia, D. K., “A Tightly Synchronized TDMA MAC Protocol for Multi-hop WiFi-based Long Distance Networks”, *in the proc. of International Conference on Ubiquitous Computing and Future Networks (ICUFN 2014)*, pp. 543–548, July 8-11, 2014, Shanghai, China (IEEE)
6. **Hussain, I.**, Saikia, D. K., Sarma, N. and Ahmed, N., “A Fine-tuned Packet Scheduling for WiFi-based Long Distance Networks”, *in the proc. of International Conference on Advances and Innovations in Mobile Computing (AIMoC 2014)*, pp. 97–103, Feb 27- March 1, 2014, Kolkata, India (IEEE)

Book Chapters

7. **Hussain, I.**, “Wireless Networks for Rural Connectivity: An affordable Solution to Digital Divide”, *Information and Communication Technology for Education, Healthcare and Rural Development*, ISBN: 978-81-8487-205-7, In: D. Goswami, S. Bhattacharya, F.A. Barbhuiya, and S. Chakraborty, Editors. India: Narosa Publishing House; pp. 15–21, 2012.
8. **Hussain, I.**, Sarma, N. and Saikia, D. K., “QoS Issues in Long Distance Wireless Networks for Rural Areas”, *Recent Advances in Machine Intelligence*, ISBN: 978-81-8487-140-1, In: U. Sharma and B. Nath and D. K. Bhattacharyya, Editors. India: Narosa Publishing House; pp. 109–118, 2011.