

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

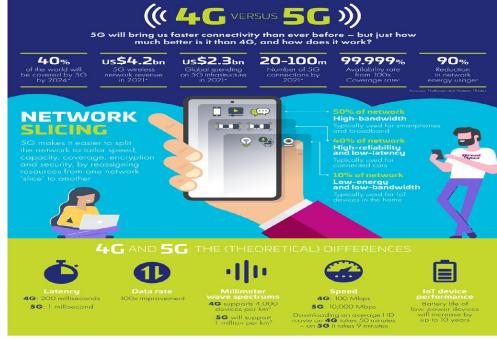
Volume 4, Issue 1, May 2024

# **IOT Based Smart Crib**

Renju John<sup>1</sup>, Fiza Akbar<sup>2</sup>, Naziya N J<sup>3</sup> CEO Telecom 360<sup>1</sup> Undergrad S6, Marian Engineering College, Trivandrum, Kerala, India<sup>2</sup> Undergrad S8, Marian Engineering College, Trivandrum, Kerala, India<sup>3</sup>

Abstract: The Internet of Things, or IoT, gets its name because each device can send and receive data from one another. So it is similar to the actual Internet. However, you need to send and receive data on the Internet. And it only connects two computers. But in IoT, the network is between various devices or things. And they send and receive data without human interference. The number of IoT devices is increasing every day. In 2021, there were 10 billion IoT devices. Currently, the world has over 14.4 billion IoT devices. And after deploying 5G worldwide, this number may rise to over 75 billion

### Keywords: IOT, Crib, Latency, Assemble, Interactivity



THALES

### REFERENCES

[1] V. Delipkumar and S. Jayalakshmy, "Baby Cradle Monitoring And Control Using Arduino," International Journal of Information And Computing Science, vol. 6, no. 3, pp. 409-413, 2019.

[2] M. Levy, D. Bhiwapurkar, G. Viswanathan, S. Kavyashree, and P. K. Yadav, "Smart Cradle For Baby Using FN-M16P Module," vol. 2, no. 10, pp. 2018–2020, 2019.

[3] A. F. Symon, N. Hassan, H. Rashid, I. U. Ahmed, and S. M. T. Reza, "Design and development of a smart baby monitoring system based on Raspberry Pi and Pi camera," in 4th International Conference on Advances in Electrical Engineering, ICAEE 2017, 2018, vol. 2018-Janua, pp. 117-122.

[4] C. Lu, C. Wu, and H. Su, "Intelligent Infant Monitoring System Involving a Wi-Fi Wireless Sensor Network," Advances in Intelligent Information Hiding and Multimedia Signal Processing, vol. 81, pp. 269–276, 2018.

[5] P. R. Lejin, M. J. Kuruvilla, George RamachaThykkadavil, and V. Vijai, "Design and subrication B-care," International Journal for Innovative Research in Science & Technology, vol. 2, no. 12, pp 56-551 2016.

Copyright to IJARSCT DOI: 10.48175/IJARSCT-18017 www.ijarsct.co.in

## IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

#### Volume 4, Issue 1, May 2024

[6] R. D. V. M. P. N. Sundarajan, "Analytical Modelling and Design of a Mechatronic Cradle System," International Journal for Scientific Research & Development, vol. 3, no. 10, pp. 475–477, 2015.

[7] A. T. Rachanapalaskar, AkshadaWagh, ShwetaPandey, "Automatic Baby Cradle and Monitoring for Infant Care," Interbational Journal of Advanced Ressearch in Science and Engineering, vol. 5, no. 5, pp. 55–60, 2016.

[8] C. T. Chao, C. W. Wang, J. S. Chiou, and C. J. Wang, "An arduino-based resonant cradle design with infant cries recognition," Sensors (Switzerland), vol. 15, no. 8, pp. 18934–18949, 2015.

[9] M. P. Joshi and D. Mehetre, "IoT Based Smart Cradle System with an Android App for Baby Monitoring," in 2017 International Conference on Computing, Communication, Control and Automation (ICCUBEA), 2017, pp. 1–4.

[10] S. S. Bachhav and N. B. Chopade, "IoT Based Healthy Baby Cradle System," International Journal of Advance Research and Innovative Ideas in Education, vol. 4, no. 4, pp. 822–828, 2018.

[11] S. Srikanth, P. Ramya, M. Satheesh, G. T. Philip, and K. Vineetha, "Smart Baby Cradle System," International Journal of Advances in Scientific Research and Engineering, vol. 4, no. 3, pp. 51–60, 2018. 3rd International Conference on Engineering Sciences IOP Conf. Series: Materials Science and Engineering 671 (2020) 012050 IOP Publishing doi:10.1088/1757-899X/671/1/01205014

[12] A. Ide et al., "Starter Kit for Arduino," Starter Kit for Arduino, pp. 1-86, 2018.

[13] Robotic Solutions, "HC-05 Bluetooth Module User 's Manual V1 . 0," User Manual, 2015.

[14] Fuzhou BringsmartintelligentTech.Co, "37GB550 High Torque Electric Motor," Smart Bring Company. [Online]. Available: http://www.bringsmart.com/pd.jsp?id=128#\_jcp=3\_9.

[15] A. Williams, Microcontroller projects using the Basic Stamp, 2nd ed. Al Williams, 2002.

[16] J. Perry et al., "L298 H Bridge User's Manual," STMicroelectronics, 2000. [Online]. Available: http://www.st.com.

[17] SIMCom, "SIM900 the GSM/GPRS Module for M2M Applications," GSM / GPRS Module, 2013. [Online]. Available: http://www.propox.com/download/docs/SIM900.pdf.

[18] G. Plaza and C. Road, "SIM 900-RS232 GSM/GPRS Modem- User Manual," 2011. [Online]. Available: www.rhydolabz.comhttp://www.rhydolabz.com.

[19] S. Series, "SUBMINATURE HIGH POWER RELAY," SONGLE RELAY. [Online]. Available: www.songlerelay.com.

[20] D. D. Keluarga, "Sensor Kits X40," Joy-IT, 2017. [Online]. Available: http://sensorkit.en.joyit.ne

