

# Smart Infant Cradle in Clinical Perspective using H-IoT with Android Application

P. Jagdeshwar<sup>1</sup>, D. Mohanraj<sup>2</sup>, B. Mythily<sup>3</sup>, Dr. Komala James<sup>4</sup>

Students, Department of Electronics and Communication Engineering<sup>1,2,3</sup>

Professor and Head of Department, Department of Electronics and Communication Engineering<sup>4</sup>

SRM Valliammai Engineering College, Kattankulathur, Tamil Nadu, India

**Abstract:** *In scheduled time monitoring the infants in a hospital or at home where the monitoring with human resources, especially nurses is exceptionally difficult. So, these infants can be monitored 24\*7 using a device. Infant health monitoring became a fast-growing technology in the medical field. Hence, we are implementing an H-IoT where health monitoring sensors are used. A smart cradle, put into practice which utilizes the basic data from the infant-like heartbeat pulses, temperature, bed wetness, cry pattern, and movement. These parameters-related sensors are associated with the Arduino UNO to keep track of these, the various parameters are displayed in the dashboard. If the system notifies any unforeseen changes in the infant, then it will spontaneously caution the infant status in call notification using the Global System of Mobile Communication module. In this manner, IoT health monitoring is fetched for the monitoring of infants in a real-time environment.*

**Keywords:** H-IoT, Smart Cradle, Baby Monitoring, Clinical Perspective

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