An Advanced Baby Monitoring And Controlling System

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Abstract*: Now a days caring for an infant is a tough job for parents who are working away in different location. This task presents an infant observing framework for occupied guardians so they can guarantee the appropriate consideration and wellbeing of their children. This framework can recognize the child's movement and helps in detecting audio; particularly crying and infant's current position can be predicted using CNN so the parent can check the status of the infant along with the sensor data while away from the infant. The proposed work will read the data from various sensors and then the data is processed by the Raspberry PI continuously. The PI camera is also integrated to capture the pictures from the video stream of the baby. Hence there will be continuous monitoring of the baby. This infant checking framework is equipped for distinguishing temperature and crying state of the child naturally. The Raspberry Pi B module is utilized in managing all the connected components. Sound sensor is utilized to distinguish child's crying, temperature sensor to identify infant's temperature and Pi camera is utilized to catch the infant's condition and capture the video or photographs of the baby during the abnormal conditions and send them to the guardian or parent over the internet using the IOT modules. This proposed framework can give a simpler and helpful route for occupied guardians as far as dealing with their infants.*

Keywords: Baby Monitoring System, Infant Care Technology, Smart Baby Monitor

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