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Baby Monitoring System

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Abstract: *These days handling kids and being with them all the time has become a crucial task for working parents. Being attentive to the kid and being physically present with them is not possible for each working parent. Thus, an efficient solution has been encountered to take care of the child while working. A smart cradle with features like swing mechanism, Camera facility and a small toy has been implemented. ESP32 controller is used, ESP32 CAM Module, Motor Driver, & a DC Motor are the key components of the project. The project will work as a 2-way input system, i.e., the system can be controlled manually via the Blynk App. Whenever the cy is detected, swing motion will be started, even after that if the cry is detected again, then the toy will be played with the help of the Bo Motor. Thus, automatically for a time period the baby is entertained, and an attempt to sooth the baby without any personal attention will be accomplished through the prototype designed.*

Keywords: Smart Cradle, ESP32, ESP332 CAM Module, Toy, Blynk App, Swing Mechanism

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