**Quality Document**

Parents in the present world are busy in their professional life, so they do not get sufficient time to take care of their babies. It may be expensive for the household to afford a nanny. Today’s woman has to manage home along with their office work simultaneously. After long working hours, they have to take care of the home along with the baby. They may not get enough time to swing the cradle manually and sooth the baby. Moreover, in today’s life style, it is very difficult even for the housewives to sit nearby their infants and sooth them whenever they cry.

Hospitals have neonatal and maternity units. Nurses in these units have to take care of baby and sooth them whenever they cry.

The system is designed to help parents and nurses in infants care. The design aims at following points:

* Cradle starts swinging automatically when baby cry and swings till the baby stops crying.
* Sounds an alarm when mattress gets wet.
* Sounds an alarm if baby cries for more than a stipulated time indicating that baby needs attention.
* The parent gets an update on an android app alert for the above scenarios.

This system can be enhanced with more features like baby rotating toy with music and camera. Parents can monitor their baby live via 3G.

One more enhancement that can be done in the system is that a RFID card can be implemented. A RFID tag can be attached to the baby in any wearable form and a scanner can be placed in the cradle. If the baby is removed from the cradle the card will not be sensed and then an alert can be sent to the parent using the app.

The E-Cradle provides the parents a trouble free childcare along with improved sense of security for their child. Babies are society’s future. This system emphasizes the importance of child care. The above designed system is economical and user friendly and very useful for working parents and nurses. They can manage their work efficiently. With the development of technology day to day work has been eased for parents along with baby care. Otherwise, mother’s lap would be best cradle for baby.