

A Major Project Report  
On  
**AUTOMATIC BABY CARE ALERT SYSTEM WITH CRY DETECTION**

Submitted to  
**Jawaharlal Nehru Technological University, Hyderabad**

In partial fulfillment of the requirement for  
The award of degree of  
**BACHELOR OF TECHNOLOGY**

In  
**ELECTRONICS & COMMUNICATION ENGINEERING**

by

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**2022-2023**

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**CERTIFICATE**

This is to certify that the major project entitled “AUTOMATIC BABY CARE ALERT SYSTEM WITH CRY DETECTION” submitted to JNTUH is carried out by the following students of IV B. Tech in the partial fulfillment of requirement for the award of degree of bachelor of Technology in Electronics and Communication Engineering during the academic year 2022-2023.

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## ABSTRACT

The smart cradle for babies is a revolutionary device designed to enhance the safety and well-being of infants. This innovative cradle incorporates advanced technology to monitor various aspects of a baby's environment and provide real-time alerts to parents or caregivers. With cry detection capabilities, the cradle can accurately identify a baby's cry and immediately notify parents, ensuring they can respond promptly to their child's needs. Additionally, the cradle is equipped with temperature monitoring sensors, allowing caregivers to closely track the baby's environment and ensure optimal comfort. The device also features diaper monitoring, detecting wetness and promptly alerting parents to change the diaper, ensuring the baby remains clean and comfortable. Furthermore, the smart cradle includes motion detection sensors, detecting any sudden movements or irregularities in the baby's behavior. In such cases, an SMS alert is sent to parents, enabling them to take immediate action if necessary. This comprehensive system offers peace of mind to parents, knowing they will be promptly notified of any potential issues, enhancing the safety and care of their baby.



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