

NXT-GEN Parenting Assistant Robot

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Abstract: *This paper presents the design and development of the Nxt-Gen Parenting Assistant Robot, an IoT-based health-monitoring and support robot intended to assist parents in ensuring child safety. The system integrates temperature and heart-rate sensors, Raspberry Pi 3B+, Bluetooth control, automatic navigation, and IoT-based alert features through Telegram and ThingsView. The robot continuously monitors vital parameters and provides real-time updates to parents, improving awareness and child well-being.*

Keywords: Raspberry Pi 3B+, Parenting Robot, Child Monitoring, Temperature Sensor, Heart-Rate Sensor.

