ASPERGER'S SYNDROME TRACKING AND MONITORING SYSTEM USING BLUETOOTH TECHNOLOGY

A PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this project report "**ASPERGER'S SYNDROME TRACKING AND MONITORING SYSTEM USING BLUETOOTH TECHNOLOGY**" is the bonafide work of "**KAVIYA.S(710419106016), SOWMIYA.M (710419106029)**" who carried out the project work under my supervision.

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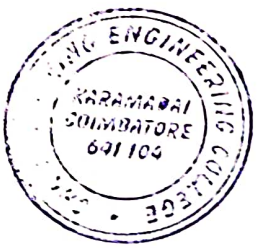
ABSTRACT:

This project focuses on the development of an Asperger's Syndrome tracking and monitoring system using Bluetooth technology. The objective is to create a system that can track the movements and activities of individuals with Asperger's Syndrome, providing caregivers with real-time information and timely alerts in case of any unusual or potentially risky behavior. The system consists of two units: a school unit equipped with a Bluetooth low energy device in the form of a watch worn by the patient, and a bus unit incorporating a mobile module with an Android application. The Android application serves as the interface for caregivers, relaying information about the patient's location and activity. By utilizing Bluetooth technology, the system ensures low power consumption and seamless communication between the patient's device and the caregiver's mobile module. The proposed system aims to enhance the safety and well-being of individuals with Asperger's Syndrome and provide caregivers with peace of mind through effective tracking and monitoring capabilities.



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CHAPTER 10

CONCLUSION & FUTURE SCOPE

10.1 CONCLUSION:

In conclusion, the patient tracking system developed in this project is a highly efficient and reliable system that helps improve the safety and care of patients. The system accurately tracks the patient's movements and activities, and notifies the caretakers in case of any unusual activity through an alarm system. The real-time data provided by the system enables the caretakers to monitor the patient's location and status at all times, facilitating better care and recovery. The user-friendly interface of the system makes it easy to use, while its cost-effectiveness makes it accessible to a wide range of users. Overall, this patient tracking system represents a significant contribution to the field of healthcare, and its successful implementation could lead to significant improvements in patient care and safety.

The proposed Asperger's Syndrome tracking and monitoring system utilizing Bluetooth technology offers a comprehensive and innovative solution to address the safety and monitoring needs of individuals with Asperger's Syndrome. Throughout the development and implementation process, several key findings and outcomes have emerged, highlighting the significance and potential impact of this system in improving the lives of individuals with Asperger's Syndrome and their caregivers. The following paragraphs summarize the key conclusions drawn from this project.

The system effectively addresses the critical need for enhanced patient tracking by utilizing Bluetooth technology. This enables real-time location updates, allowing caregivers to monitor the whereabouts of individuals with Asperger's Syndrome, particularly in situations where safety is a concern.

One of the system's key strengths lies in its ability to enhance safety and security. By integrating Bluetooth technology, the system can detect unusual activities or behavior patterns, triggering timely alerts to caregivers. This ensures that potential risks or emergencies can be promptly addressed, reducing the likelihood of harm or accidents.

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