

# Tracking Device for Alzheimer's Patient

**Aparna B<sup>1</sup>, Bhoomika LC<sup>2</sup>, Dr Vimuktha E Salis<sup>3</sup>**

Students, Department of Information Science and Engineering<sup>1,2</sup>

Professor, Department of Information Science and Engineering<sup>3</sup>

Global Academy of Technology Bangalore, India

aparna1ga20is015@gmail.com, bhoomika1ga20is027@gmail.com, vimukthaej123@gmail.com

**Abstract:** *This study delves into cutting-edge tracking designed especially for those with Alzheimer's. The goal is to devise a solution that solves the particular challenges brought about by the illness while also ensuring the safety and protection of patients. This initiative seeks to give family and carers an effective tool to track patients' whereabouts and movements, promoting comfort and peace of mind, by fusing cutting-edge technology and intuition. The study investigates the technical problems of constructing a tracking system while comprehending the ethical considerations and privacy concerns involved with such. The goal is to advance care by offering care that is consistent with respect and understanding for individuals who are impacted by Alzheimer's*

**Keywords:** Real-time location tracking, SOS emergency alert, geofencing, sensors, AI chatbot

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