GenTREE

**Team Members:**

Mukhi Leela Prasanthi

Ravva Prasanna

Ch Navadeep

K Vaishnavi

B Lekhana Sri

**ABSTRACT**

**GenTREE** is an innovative AI-pwered health genealogy platform that helps families citualize track, and analyze health data across generations. It combines family tree visualization with medical intelligence to uncover genetic risk factors, shared health patterns, and preventive care recommendations. By linking ancestry with health analytics, GenTree enables families to understand how hereditary and lifestyle factors influence overall well-being. The platform uses AI-driven insights to predict potential hereditary diseases and offer personalized wellness guidance. It acts as a secure hub for storing and managing health data of multiple family members in one place. GenTREE ensures data privacy and encryption, allowing sharing only with user consent. Its interactive dashboard provides real-time analytics, health trends, and family wellness reports. The system promotes preventive heakthcare and early awareness, helping users take actiion before risk arise. Ultimately, GenTREE empowers familities to make informed, procative, and connected health decisions for a healthier future.

**OVERVIEW**

**GenTREE: Family Health Story**

In today’s healthcare landscape, individuals often manage their health in isolation, overlooking critical family-wide patterns. Medical histories are fragmented, forgotten, or inaccessible across generations, making early detection of hereditary conditions difficult. Moreover, there’s no intuitive, secure tool to visualize and analyze these connections.

GenTREE solves this by enabling users to build a digital family health tree, inputting member profiles and medical data to uncover shared conditions and genetic risks. Through AI-driven analysis, the platform offers personalized preventive care suggestions while maintaining strict data privacy and consent-based sharing. By merging genealogy with health insights, GenTREE empowers families to make informed decisions, detect risks early, and embrace proactive wellness together