

# AI in Maternal Health: Personalized Prenatal Monitoring and Guidance

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**Abstract:** *Maternal healthcare is critical for ensuring the well-being of pregnant women and their unborn children. Mom Care is an intelligent monitoring and guidance system designed to provide personalized maternal healthcare through real-time health tracking, emergency alerts, and pregnancy guidance. The system leverages cloud computing, user dashboards, and AI-based monitoring to ensure timely health insights. The user-friendly interface allows expecting mothers to track vital parameters, receive medical alerts, and access personalized recommendations. The proposed system integrates IoT-based health monitoring, AI-driven analysis, and a responsive user dashboard to enhance maternal healthcare accessibility and effectiveness.*

**Keywords:** Maternal Health, Pregnancy Monitoring, AI, Cloud Computing, Emergency Alerts, Health Guidance, User Dashboard

