Title slide

AI-powered diagnostic platform for early detection of chronic diseases (diabetes, cardiovascular, cancer).

Executive Summary

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- Business Idea: AI-powered diagnostic platform for early detection of chronic diseases (diabetes, cardiovascular, cancer).
- Vision: Democratize healthcare by providing affordable, accurate, and accessible diagnostics.
- Validation: Pilot studies with hospitals show >90% accuracy compared to conventional methods.
- Ask: $5M seed funding to scale product development and deployment.

Technology Readiness & Novelty

Technology Readiness Levels (TRL)

- **TRL 1-3: Idea to proof of concept**
- **TRL 4–5: Lab validation and prototype development.**
- **TRL 6–7: Field testing and pilot deployment.**

- **State which TRL level your technology is approaching:**

Novelty & Originality

- **Technologies are based on original research from IIT Kharagpur labs and collaborative R&D.**
- **Several solutions demonstrate first-of-its-kind integration of AI, IoT, materials science, and sustainable engineering.**
- **Innovations address unmet needs in rural development, healthcare, clean energy, and manufacturing.**

Patent Status

- **Multiple patents filed or granted through IIT's IP Cell.**

Utility, Impact & Deployment Potential

- Utility & Application Domains
  - Scalability

- Deployment Readiness
  - How much time it may take to begin commercial operation?
- Impact Potential
  - How the technology/product will impact the lives of target customers?

The Business

- **Entity: HealthTech startup leveraging AI/ML algorithms.**
- **Core Offering: Cloud-based diagnostic tool integrated with hospital systems and wearable devices.**
- **Model: SaaS subscription for hospitals, pay-per-use for clinics, and mobile app for individuals.**

Market Demand

- **Global HealthTech Market: Projected to reach $500B+ by 2030.**
- **India Focus: Rising burden of chronic diseases, underserved rural diagnostics.**
- **Demand Drivers: Affordable healthcare, preventive medicine, telehealth adoption.**

Competition

- **Traditional Diagnostics: Expensive, time-consuming, limited reach.**
- **Existing AI Tools: Focused on niche diseases, limited scalability.**
- **Differentiator: Multi-disease detection, affordable pricing, integration with wearables.**

Strategy

- **Phase 1: Complete clinical validation with partner hospitals.**
- **Phase 2: Launch SaaS platform in 5 metro cities.**
- **Phase 3: Expand to tier-2 cities and rural clinics via mobile app.**
- **Approach: Partnerships with hospitals, insurance firms, and government health programs.**

Resources

- **Team: AI/ML engineers, medical advisors, regulatory experts.**
- **Infrastructure: Cloud servers, secure data pipelines, hospital partnerships.**
- **Partners: IIT Kharagpur labs, medical institutions, insurance companies.**

Financial Outlay & Projected Financials

- **Funding Requirement: $0.5M seed round.**
- **Projected Costs: R&D, regulatory approvals, cloud infrastructure, marketing.**
- **Revenue Streams: SaaS subscriptions, pay-per-use diagnostics, data analytics services.**
- **Financial Closer: Break-even projected in Year 3 with $20M revenue.**

Risks, Opportunities, Rewards & Sensitivities

- **Risks: Regulatory delays, data privacy concerns, adoption resistance.**
- **Opportunities: Huge unmet demand, government health initiatives, global expansion.**
- **Rewards: Improved healthcare outcomes, reduced costs, scalable business model.**
- **Sensitivities: Ethical AI use, patient data security, continuous algorithm validation.**