

Business Plan

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1. Executive Summary

Mission Statement

Our mission is to **revolutionize medical documentation and decision-making** by significantly reducing physicians' administrative workload. Our AI-powered solution **empowers doctors with intelligent, proactive AI agents to optimize patient care through : automated transcription, reports generation, and clinical decision support**, allowing doctors to focus on **higher-quality diagnoses and treat more patients efficiently**.

Objectives

- **Develop a real-time transcription and reporting tool** tailored for medical professionals.
 - **Enhance consultations** with AI-driven recommendations.
 - **Leverage patient history** for improved diagnosis and decision-making.
 - **Provide a fully customizable platform** suitable for all medical specialties.
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2. Product Overview

We provide a **fully integrated AI-powered medical assistant set of tools based on Agentic-AI** that goes beyond traditional transcription to:

- ✓ **Reduce paperwork** and minimize medical errors.
 - ✓ **Improve consultation efficiency** by generating structured reports.
 - ✓ **Assist in clinical decision-making** through AI-driven recommendations.
 - ✓ **Seamless integration with existing systems**
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3. Market Analysis

Industry Overview

The **medical AI market** is growing rapidly, with AI-driven documentation and decision support systems seeing **high adoption rates**.

Needs Assessment

- Physicians spend **40% of their time on documentation** ([source](#)), reducing time with patients.
- Real-time transcription so the doctor stays on track during discussion.
- **Missed details during consultations** can lead to **medical errors and misdiagnoses**.

- **Adding real-time suggestions** to physicians can improve the consultation's smoothness.
- **Inefficient patient history retrieval** slows down decision-making.

Target Market

📌 **Primary Audience:** Private practices and clinics.

📌 **Secondary Audience:** Hospitals, Nurses, medical assistants, and healthcare administrators. (after discussion with SFIL about potential)

Competitive Analysis

Existing solutions lack:

- ✗ Assistance **during** consultations (only post-processing transcription).
- ✗ Integration with **patient history** for contextual insights.
- ✗ AI-powered **suggestions and clinical recommendations**.
- ✗ Automated **summarization in a structured storytelling format**.

Our solution fills these critical gaps.

4. Organization and Management

We are a **team of five engineers and researchers** with expertise in:

- **Artificial Intelligence & Data Science.**
- **Software Engineering.**
- **Sales & Marketing.**

Our **versatile skill set** enables us to develop, deploy, and scale our AI-driven medical assistant while ensuring smooth market entry.

5. Products and Services

5.1. Key Features


1. Real-Time Transcription with Agentic-AI context-awareness

- ✓ **Buffered processing** ensures **accuracy** and **context awareness** instead of instant transcription.
- ✓ Captures **medical terminology** and **structured conversation flow**.

2. AI-Powered Recommendations & Decision Support

- ◆ Suggests **follow-up questions** based on symptoms & patient history.
- ◆ Recommends **further tests, treatments, or medication adjustments**.
- ◆ Uses **medical data sources & past consultations** to improve over time.
- ◆ Warns the doctor when the treatment doesn't fit the patient's profile.

3. Automated Report Generation & Customization

 AI-generated structured reports including:


- ✓ Symptoms
- ✓ Diagnosis
- ✓ Treatment Plan
- ✓ Conclusion & Keywords
- ✓ Customizable sections (doctors can edit before finalizing).

4. AI-Generated Summaries in Storytelling Format

- ◆ **Our Agentic AI autonomously creates patient narratives**, ensuring that each consultation builds on previous medical records.
- ◆ The AI functions as a **memory-driven agent**, allowing doctors to **review case histories in a structured format** instead of searching through unstructured notes.

5. Patient File Integration & Future Consultation Prep

 Before each consultation, the **Agentic AI autonomously retrieves and summarizes patient history**, offering a **personalized, pre-consultation briefing**.

 The AI **anticipates** potential follow-ups, **reducing redundant questioning** and improving diagnostic efficiency.

6. AI-Generated Referral Letters (Specialist Referrals)


✓ When referring a patient to a specialist, doctors **usually need to write a detailed report**, including patient history, symptoms, and recommendations. This process is **time-consuming**, requiring them to **search through multiple documents**.

✓ With our system, **referral letters are generated instantly** using AI-generated summaries that are **already updated after each consultation**.

✓ **Doctors only need to specify a few filters** (e.g., required specialty, key medical details to include, etc.), and the AI **automatically compiles a structured, relevant referral letter**.

✓ This ensures that the specialist receives **only the necessary patient details**, making the referral process **faster and more efficient**.

5.2. Seamless Integration with Existing Systems



 Works **without requiring replacement** of current consultation management software.

5.3. Unique Selling Proposition (USP)





- ✓ Goes beyond transcription – provides **clinical assistance**.
 - ✓ Reduces errors & paperwork and overlooked details, improving efficiency in high-volume hospitals.
 - ✓ Customizable for all medical specialties.
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6. Business Model

Revenue Streams



-  **Subscription-Based Pricing:**
 - ✓ **Individual doctors** – monthly/yearly plans.
 - ✓ **Clinics** – tiered pricing per practitioner.
 - ✓ **Hospitals** – enterprise licensing based on patient volume.
-  **Additional Revenue Streams:**
 - ✓ **Premium features** for specialized disciplines.
 - ✓ **Custom integrations** with existing IT systems.

Cost Structure

-  **AI development & model training**
 -  **Cloud infrastructure & maintenance**
 -  **Marketing & sales operations**
 -  **Regulatory compliance & customer support**
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7. Marketing and Sales Strategy

Market Entry Strategy

-  **Pilot programs** with individual practitioners.
-  **Free trial for early adopters** (beta program).

- 🔗 **Partnerships with health tech platforms** (e.g., Doctolib).
- 🔗 **Referral incentives** for early users.

Promotion & Advertising

- 📣 **Targeted digital campaigns** for healthcare professionals.
- 📣 **Case studies** showcasing efficiency improvements.
- 📣 **Participation in medical tech conferences & trade shows.**

Competitive Advantage

- ✅ **Intelligent Decision Support:** Unlike other solutions, we assist doctors **during** consultations.
 - ✅ **Customizable Summaries & Reports:** Adaptable to different medical specialties.
 - ✅ **Scalable for solo practitioners & large hospitals:** High ROI for all user levels.
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8. Cost Estimation (Worst-Case Scenario)

In the **worst-case scenario**, assuming **one patient every 15 minutes**, with **each consultation recorded for 15 minutes**, the estimated **monthly costs** are:

A doctor treats a patient every **15 minutes** and each consultation is recorded for **15 minutes**, the estimated monthly cost includes **transcription and LLM-based summarization**. The transcription process, using transcription services(e.g **Whisper API**) is estimated to require **240 hours per month**, resulting in a cost of around **\$40 per month**. Additionally, for generating **AI-powered summaries and reports**, approximately **2,000 tokens per report** are needed, bringing the total estimated cost for **GPT-4-turbo** processing to **\$20 per month**. Altogether, the **total estimated monthly cost amounts to \$60.00 per doctor**.

Cost Justification

💰 With a **subscription price of \$160/month**, even if our system **saves only 1 hour per day**, the doctor can **treat at least two additional patients per day**.

💰 The **revenue from these extra patients alone** would **cover the subscription cost in less than a week**.

Cost Optimization Strategies

- ✓ **Self-hosting models on cloud GPUs/local servers** to eliminate inference API costs.
- ✓ **Alternative transcription providers (Deepgram, AssemblyAI)** to lower per-minute costs.
- ✓ **Smaller/fine-tuned LLMs** to optimize token usage.

9. Risk Assessment and Compliance

Challenges & Risks

- ⚠️ **Physician adoption resistance** to AI-based tools.
- ⚠️ **Ensuring high transcription accuracy** across different medical specialties.
- ⚠️ **Regulatory approval** for AI healthcare solutions.

Mitigation Strategies

- ✅ **Continuous AI model training** on **medical data**.
 - ✅ **Regular user feedback** to refine and improve system performance.
 - ✅ **Collaborating with health institutions** to ensure compliance with regulations.
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10. Conclusion

Our AI-powered medical assistant is a **game-changer in healthcare**, addressing the **critical pain points** faced by physicians—excessive documentation, missed details, inefficient decision-making, and time-consuming patient referrals. By **seamlessly integrating AI into medical workflows**, we enable doctors to **spend more time on patient care** while ensuring **higher accuracy and efficiency** in clinical decision-making.

With **semi-real-time transcription, intelligent recommendations, automated report generation, storytelling-based summaries, and AI-powered referral letters**, our solution goes beyond traditional transcription tools. We provide **real value** by reducing administrative burden, minimizing errors, and optimizing consultation efficiency.

From a **business perspective**, our **scalable subscription model** ensures affordability for individual practitioners, clinics, and hospitals while delivering a **strong return on investment**. With a **pilot-first market entry strategy**, strategic **partnerships with health tech platforms**, and a **focus on AI-driven automation**, we are positioned for **rapid adoption and growth** in the medical AI space.

By leveraging **self-hosted models, cost-efficient transcription solutions, and optimized LLM usage**, we maintain **competitive pricing** while ensuring the system is **cost-effective and scalable**.

Ultimately, our solution does not just **save time—it transforms healthcare efficiency**, enabling **faster patient diagnoses, better treatment outcomes, and streamlined workflows**. With a **strong team of AI engineers, software developers, and industry**

experts, we are ready to **scale, deploy, and disrupt** the medical documentation and decision-support landscape.