

Figure 1: Gantt chart showing the timeline of the research project. The chart is divided into two main sections: December 2021 and January 2022. The timeline is marked by days, with a red vertical line indicating the current date (December 14, 2021).

The project is organized into two main categories: **智慧医疗 (Smart Healthcare)** and **肺部疾病 (Lung Disease)**. Each category is further divided into **市场调研 (Market Research)** and **确定研究方向 (Determine Research Direction)**.

智慧医疗 (Smart Healthcare) Timeline:

- 市场调研 (Market Research):**
 - 应用场景 (Application Scenarios): December 14 - 18
 - 公司解决方案 (Company Solutions): December 14 - 18
 - 市场份额排行 (optional) (Market Share Ranking (optional)): December 14 - 18
 - 关键技术指标 (Key Technical Indicators): December 14 - 18
- 确定研究方向 (Determine Research Direction):**
 - stage1: 生成初始解决方案 (Stage 1: Generate Initial Solution):**
 - 需求分析与讨论 (Requirement Analysis and Discussion): December 27 - 31
 - 数据采集与标注 (Data Collection and Annotation): December 27 - 31
 - 数据建模 (Data Modeling): December 27 - 31
 - 上板前评估测试 (Evaluation and Testing Before Boarding): December 27 - 31
 - 上板 (Boarding): December 27 - 31
 - 上板后评估测试 (Evaluation and Testing After Boarding): December 27 - 31
 - stage2: 迭代优化解决方案 (Stage 2: Iterative Optimization Solution):**
 - Bug分析与讨论 (Bug Analysis and Discussion): January 1 - 3
 - 数据重采 (Data Re-collection): January 1 - 3
 - 模型改进 (Model Improvement): January 1 - 3
 - 迭代评估分析 (Iterative Evaluation and Analysis): January 1 - 3

肺部疾病 (Lung Disease) Timeline:

- 市场调研 (Market Research):**
 - 应用场景 (Application Scenarios): December 14 - 18
 - 公司解决方案 (Company Solutions): December 14 - 18
 - 市场份额排行 (optional) (Market Share Ranking (optional)): December 14 - 18
 - 关键技术指标 (Key Technical Indicators): December 14 - 18
- 确定研究方向 (Determine Research Direction):**
 - stage1: 生成初始解决方案 (Stage 1: Generate Initial Solution):**
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