

HematoVision: Ideation & Idea Prioritization

Project Name: HematoVision - Blood Cell Classification

1. Ideation Phase

Objective: Generate innovative ideas to improve blood cell classification accuracy and efficiency.

| No | Idea Description | Target User | Problem it Solves | Expected Benefit |
|----|---|-----------------------------|---|--|
| 1 | AI-based blood cell classifier using microscopic images | Pathologists, Hematologists | Manual classification is time-consuming | Fast and accurate results |
| 2 | Mobile app for remote blood sample analysis | Remote clinics | Lack of access to lab equipment | Convenience and accessibility for remote locations |
| 3 | Cloud-based reporting system | Hospitals, Labs | Delay in report sharing | Instant report accessibility |
| 4 | Automated abnormality detection | Hematologists | Missing rare cell types | Reduced risk of misdiagnosis |

2. Idea Prioritization Matrix

Criteria to prioritize ideas: Impact, Feasibility, Cost

| No | Idea Description | Impact | Feasibility | Cost | Priority Score |
|----|---------------------------------|--------|-------------|--------|----------------|
| 1 | AI-based blood cell classifier | High | Medium | Medium | 9 |
| 2 | Mobile app for remote analysis | Medium | High | Medium | 8 |
| 3 | Cloud-based reporting system | Medium | High | Low | 9 |
| 4 | Automated abnormality detection | High | Low | High | 7 |

3. Selected Ideas for Implementation

1. AI-based blood cell classifier
2. Cloud-based reporting system