Ideation Phase

Brainstorm & Idea Prioritization Template

Date	06-05-2023
Team ID	NM2023TMID14637
Project Name	**ODIR: Seeing The Big Picture For Eye Health**
Maximum Marks	4 Marks

Brainstorming ideas for ODIR (Seeing the Big Picture for Eye Health):

1. **Ocular Disease Detection:**
   Develop advanced computer vision algorithms and machine learning models that can analyze retinal images and detect early signs of ocular diseases such as glaucoma, macular degeneration, and diabetic retinopathy. This technology could enable early intervention and treatment, potentially saving people's vision.

2. **Telemedicine for Eye Care:**
   Create a platform or application that allows remote diagnosis and consultations with ophthalmologists. This would be particularly beneficial for people living in remote areas or those with limited access to eye care services.

3. **Wearable Eye Health Monitoring:**
   Design innovative wearable devices, such as smart glasses or contact lenses, that can continuously monitor eye health parameters. These devices could track metrics like intraocular pressure, tear composition, or eye movement, providing real-time data for early detection of eye conditions.

4. **Gamified Vision Therapy:**
   Develop interactive and engaging mobile apps or virtual reality (VR) games that can be used for vision therapy and rehabilitation. These applications could assist in improving visual acuity, depth perception, and eye coordination, making vision therapy more enjoyable and effective.

5. **AI-assisted Surgical Guidance:**
   Create AI algorithms and computer vision systems to assist ophthalmic surgeons during procedures like cataract surgery or corneal transplantation. These technologies could provide real-time feedback, enhance precision, and minimize the risk of human error.

6. **Eye Health Education and Awareness:**

   Develop educational campaigns, online resources, and mobile applications to raise awareness about eye health, common eye conditions, and preventive measures. These initiatives could empower individuals to take better care of their eyes and seek timely medical attention.

7. **Collaborative Data Sharing:**

   Establish a secure and anonymized database of eye health data, which can be accessed by researchers and clinicians worldwide. This shared data could facilitate collaborations, accelerate research efforts, and lead to improved diagnostic and treatment methods.

8. **Assistive Technologies for Visually Impaired:**

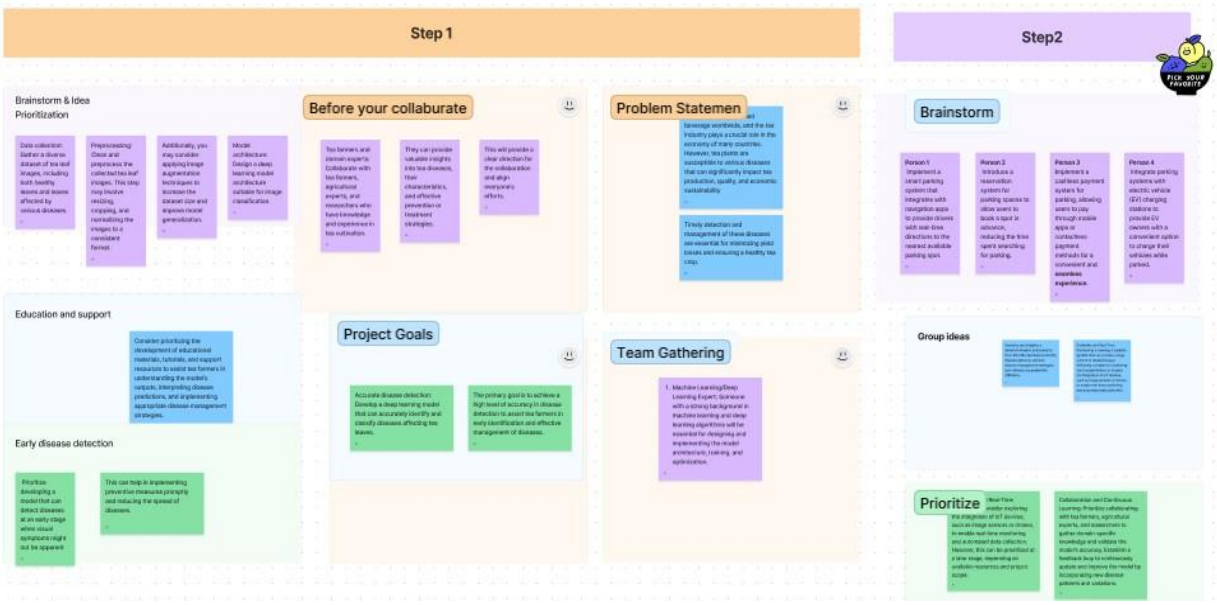
   Create innovative assistive technologies like smart navigation systems, object recognition apps, or wearable devices that can enhance independence and mobility for visually impaired individuals.

9. **Personalized Eye Care Solutions:**

   Develop personalized eye care plans by integrating genetic information, lifestyle factors, and medical history. This approach could help tailor preventive strategies and treatment options to an individual's specific needs and risks.

10. **Community Outreach Programs:**

    Organize eye health camps, screening drives, and outreach programs to reach underserved populations. These initiatives would provide basic eye examinations, distribute eyeglasses, and educate communities about common eye health issues and hygiene practices.


Step 1
Step2
Brainstorm & Idea Prioritization
Before your collaburate
Problem Statemen
Brainstorm
Education and support
Project Goals
Team Gathering
Group ideas
Early disease detection
Prioritize