

Ideation Phase

Brainstorm & Idea Prioritization

Date	19 October 2022
Team ID	PNT2022TMID29238
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology Images
Maximum Marks	4 Marks

Brainstorm & Idea prioritization

Use this template to plan your brainstorming session so your team can conduct their investigation and start shaping concepts even if you're not sitting in the same room.

- 4 weeks to create
- 3 hours to complete
- 3 stages to complete

Before you collaborate

A list of participants participating in this session is provided below. Please ensure that all participants are available for the duration of the session.

- 1. Participants
- 2. Participants
- 3. Participants

Problem statement

What problem are you trying to solve? What are the goals of your project? What are the constraints of your project?

PROBLEM

There is a need for a tool that can help radiologists to browse and analyze radiology images in a more efficient and accurate manner. The tool should be able to handle large volumes of data and provide a user-friendly interface for navigation and analysis.

Participants:

- Sharmila E
- Boomika T
- Harini priya S
- Abirami M & Mahalakshmi TS

Brainstorm

Brainstorming is a technique for generating ideas. It involves a group of people working together to come up with as many ideas as possible. The ideas are then evaluated and prioritized.

Artificial Intelligence

- Generative AI
- Image recognition
- Machine learning
- Computer vision
- Deep learning
- Neural networks
- Convolutional neural networks
- Recurrent neural networks
- Generative adversarial networks
- Transfer learning
- Feature extraction
- Classification
- Regression
- Clustering
- Association
- Recommendation
- Optimization
- Simulation
- Modeling
- Forecasting
- Discovery
- Exploration
- Exploitation
- Adaptation
- Evolution
- Learning
- Teaching
- Training
- Testing
- Validation
- Deployment
- Monitoring
- Maintenance
- Update
- Refinement
- Improvement
- Optimization
- Performance
- Efficiency
- Accuracy
- Precision
- Recall
- F1 score
- AUC
- ROC curve
- Confusion matrix
- Loss function
- Cost function
- Objective function
- Loss
- Cost
- Objective
- Loss
- Cost
- Objective

General expectation

- Adapting new technology
- To monitor patients health
- To identify disease in early stage
- To identify disease in late stage
- To identify disease in early stage
- To identify disease in late stage

Implementation

- Using machine learning
- Using deep learning
- Using convolutional neural networks
- Using recurrent neural networks
- Using generative adversarial networks
- Using transfer learning
- Using feature extraction
- Using classification
- Using regression
- Using clustering
- Using association
- Using recommendation
- Using optimization
- Using simulation
- Using modeling
- Using forecasting
- Using discovery
- Using exploration
- Using exploitation
- Using adaptation
- Using evolution
- Using learning
- Using teaching
- Using training
- Using testing
- Using validation
- Using deployment
- Using monitoring
- Using maintenance
- Using update
- Using refinement
- Using improvement
- Using optimization
- Using performance
- Using efficiency
- Using accuracy
- Using precision
- Using recall
- Using F1 score
- Using AUC
- Using ROC curve
- Using confusion matrix
- Using loss function
- Using cost function
- Using objective function
- Using loss
- Using cost
- Using objective
- Using loss
- Using cost
- Using objective

Prioritize

Use this template to prioritize your ideas. The ideas are ranked based on their importance and feasibility. The ideas are then evaluated and prioritized.

Importance

- Adapting new technology
- To monitor patients health
- To identify disease in early stage
- To identify disease in late stage
- To identify disease in early stage
- To identify disease in late stage

Feasibility

- Using machine learning
- Using deep learning
- Using convolutional neural networks
- Using recurrent neural networks
- Using generative adversarial networks
- Using transfer learning
- Using feature extraction
- Using classification
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- Using exploitation
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