

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	24 September 2023
Team ID	591732
Project Name	Image Caption Generation
Maximum Marks	4 Marks

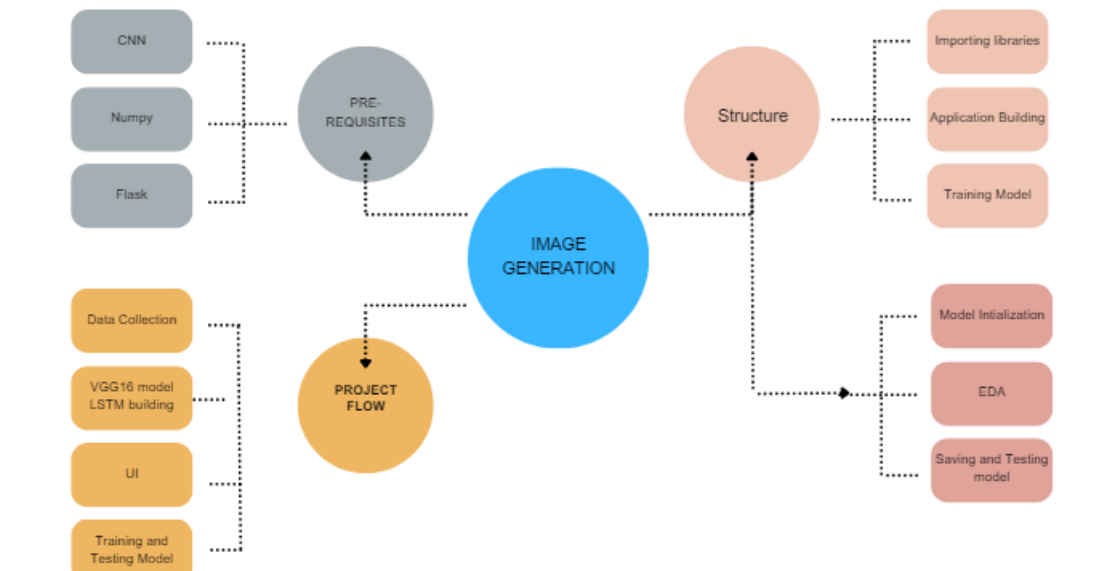
#### Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

#### BRAINSTORMING MAP



## Step-1: Team Gathering, Collaboration and Select the Problem Statement

1

### Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

#### PROBLEM

A written caption that highlights a picture's key details is called an image caption description. It entails taking a picture, such a photo, and turning it into a text description that can be understood by humans. It's a fairly easy task for a human, but a very hard assignment for a computer because it needs to grasp the substance of an image and know how to transform that understanding into normal language. The problem of automatically creating descriptions, or "captions," for photos has been superseded by deep learning techniques recently, and these techniques are producing state-of-the-art results. In this research, we will investigate the automatic generation of picture descriptors, such as photographs, using deep neural network models. In this project, the caption is generated using LSTM and CNN.



#### Key rules of brainstorming

To run an smooth and productive session



Stay in topic.



Encourage wild ideas.



Defer judgment.



Listen to others.



Go for volume.



If possible, be visual.

## Step-2: Brainstorm, Idea Listing and Grouping

2

### Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

#### TIP

You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

#### Balaji

VGG 16

LSTM

Flask

#### Nandu

Data  
preprocessing

UI

Data  
collection

#### Person 3

CNN

Numpy

#### Person 4

## Step-3: Idea Prioritization

4

### Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes

#### TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H** key on the keyboard.

