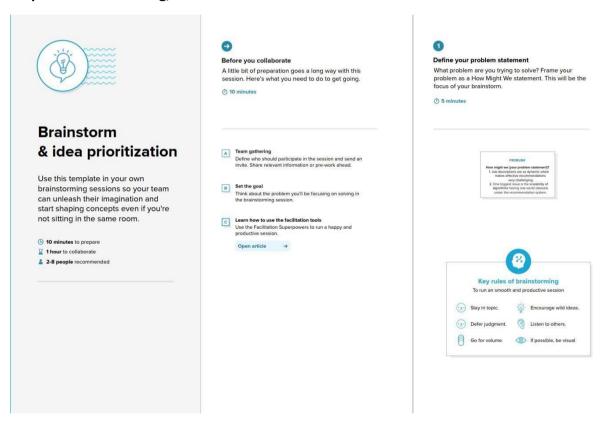# Ideation Phase
Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID07774
Project Name	Project - Skill and Job Recommender
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization :

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.

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

Step-2: Brainstorm, Idea Listing and Grouping

SURYA KUMAR

- Provide efficient dataset to the system.
- Security included to secure the dataset and user information.
- Job description must be given to the suited skill users.
- Same email registration are not valid.
- Invalid username and password are not enter the system.
- The job given to the rights skills and job vacancies in the company.

KULASHEKAR

- We found a bigger dataset from kaggle and used that to train our model on Google Colab which has given 63% validation accuracy
- Then we used that model to build a Flask web application so that user can interact with it on Google Coleb.
- We integrated the ESCO-API in to the web application. Which means after the job recommendation, the necessary skills also will be returned to that specific job.
- Creating a database for easy identification of skill set for recommended job.
- Building more powerful AI model and better prediction accuracy.
- Finding best hyper parameter to train the model.

SIVA SAI

- we select a group of the nearest job offers based on the distance to that profile (job matching).
- Use the efficient algorithm to create a dataset.
- Once job offers and profiles are filtered, the second step is text preprocessing. In this task, .
- Recommendation: In this last phase, given a certain profile with a proper representation,
- and uses the cosine similarity as its proximity measure.
- We first used the "occupation_en.csv" data provided by the hackathon

SARAN PRASANTH

- we perform stop words removal, tokenization and lemmatization for the Portuguese language
- the first step in this phase is filtering out job offers that do not belong to the IT field.
- manager but failed to build model due to overfitting caused by small dataset.
- there were still some job offers that do not correspond to this field, then,
- Although we retrieved data from job search sites using only IT keywords,
- A Flask web application backed by powerful deep learning model and ESCO-API to recommend job based on

BALAJI

- build their personal movie recommender system, for example, for a resume project
- the data sparsity of user-preference matrices; and changes in user preferences over time
- squared distances between every point and its nearest cluster mean called centroid
- manager but failed to build model due to overfitting caused by small dataset.

- K-means clustering: K-means is a popular and simple to implement algorithm.
- It groups N data points into k clusters by minimizing the sum of squared distances between every point and its nearest cluster mean called centroid.
- The centroid of every cluster is recalculated as the mean of all data points assigned to this cluster.
- The spherical K-means has as input a set of unit vectors that lie on the surface of the unit hypersphere about the origin,
- Using clustering can address several known issues in recommendation systems, including increasing the diversity, consistency, and reliability of recommendations; .
- Collaborative filtering (CF) and its modifications is one of the most commonly used recommendation algorithms.
- Even data scientist beginners can use it to build their personal movie recommender system, for example, for a resume project.

Step-3: Idea Prioritization

Importance
If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Feasibility
Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

Sticky notes on matrix:
- Even data scientist beginners can use it to build their personal movie recommender system, for example, for a resume project.
- the data sparsity of user-preference matrices; and changes in user preferences over time
- We first used the "occupation_en.csv" data provided by the hackathon
- The spherical K-means has as input a set of unit vectors that lie on the surface of the unit hypersphere about the origin,
- Then we used that model to build a Flask web appilication so that user can interact with it on Google Colab.
- squared distances between every point and its nearest cluster mean called centroid

Quick add-ons

A Share the mural
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

B Export the mural
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

Strategy blueprint
Define the components of a new idea or strategy.
Open the template →

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.
Open the template →

Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
Open the template →

Share template feedback