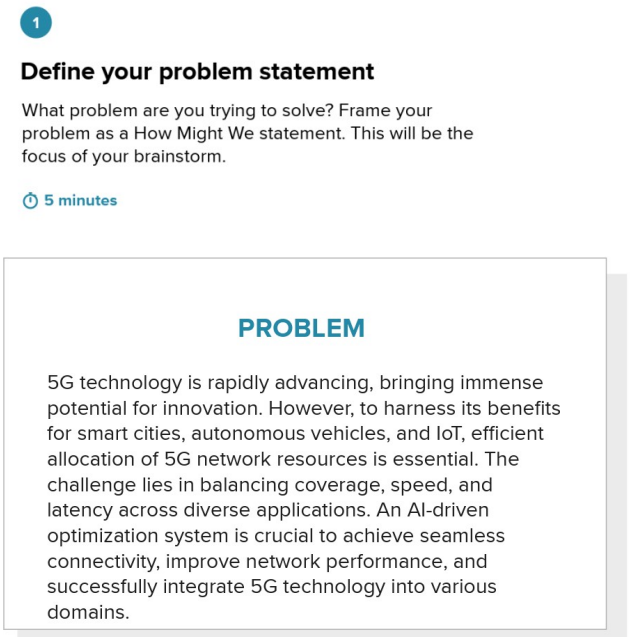
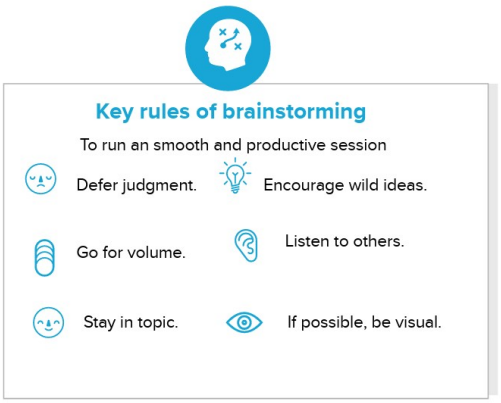
Ideation Phase
Brainstorm & Idea Prioritization Template

Date	18 September 2022
Team ID	Team-591663
Project Name	AI-Driven Optimization Of 5G Resource Allocation For Network Efficiency
Maximum Marks	4 Marks

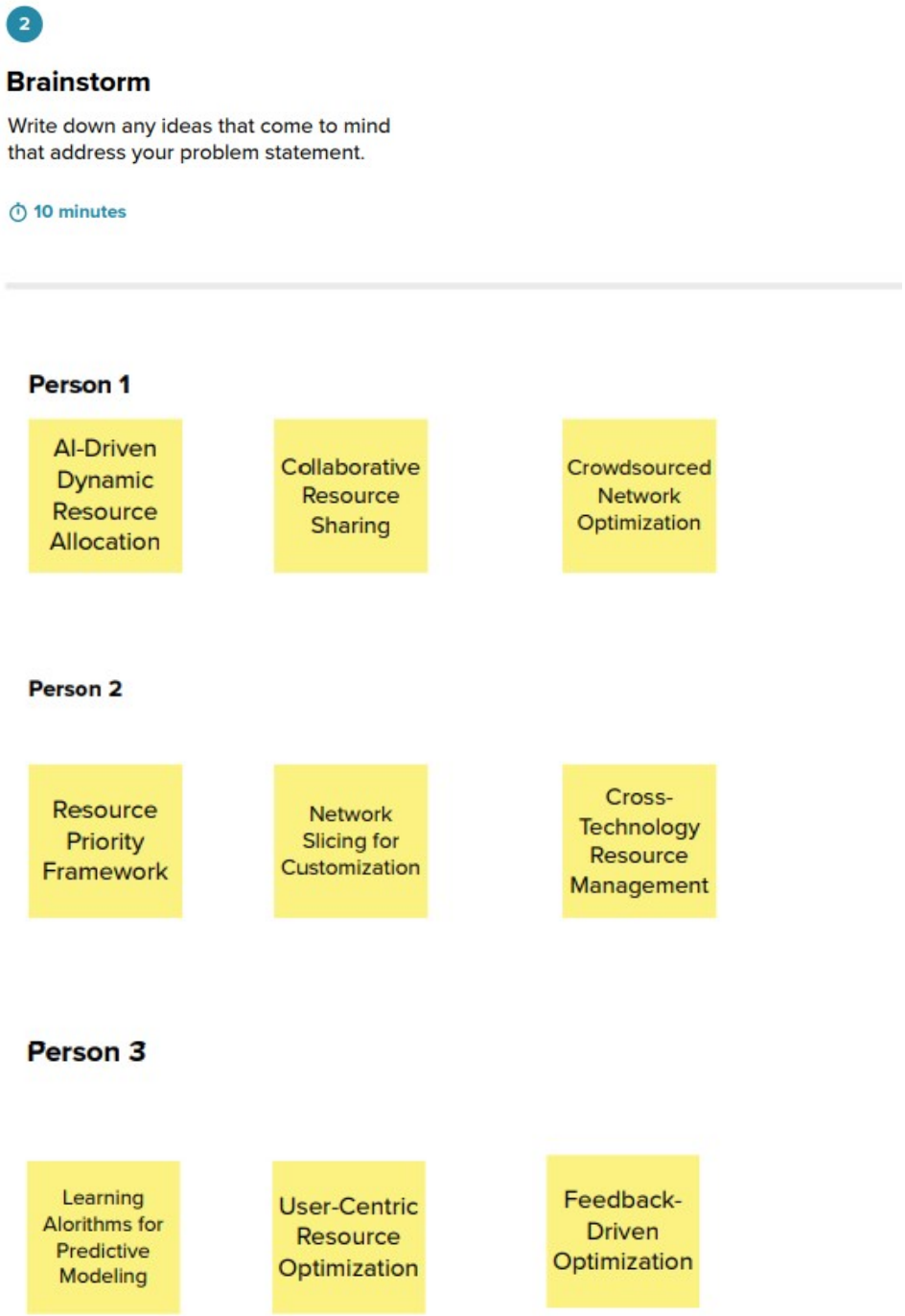
Brainstorm & Idea Prioritization:

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





Step-2: Brainstorm, Idea Listing and Grouping



3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

20 minutes

Analyze real-world 5G network traffic data and propose optimization strategies to improve resource allocation, considering factors such as peak usage times, types of applications, and geographic location.

Focus on optimizing resource allocation for IoT devices in a 5G network, considering the unique requirements and communication patterns of IoT applications to enhance efficiency and reduce latency.

Compare and evaluate different resource allocation algorithms (e.g., greedy algorithms, machine learning-based approaches) for 5G networks, analyzing their efficiency, performance, and adaptability to varying network conditions.

Investigate the impact of Quality of Service (QoS) requirements on resource allocation in a 5G network and design algorithms that prioritize resources to meet specific QoS levels for various applications.

Step-3: Idea Prioritization

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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