Ideation Phase Brainstorm & Idea Prioritization Template

Date	06 May 2023
Team ID	NM2023TMID15400
Project Name	Industrial Workers Health and Safety System based on the Internet of Things
Maximum Marks	

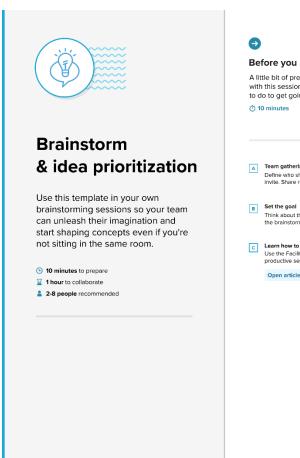
Brainstorm & Idea Prioritization:

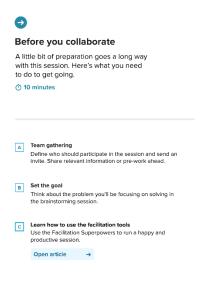
To prioritize ideas for an Industrial Workers Health and Safety System based on the Internet of Things (IoT), we can focus on essential features. Firstly, real-time monitoring using IoT sensors to track vital signs like heart rate and temperature would be crucial for immediate health risk identification. Secondly, implementing hazard detection sensors to monitor substances, noise levels, and air quality would help prevent potential dangers. Thirdly, location tracking through wearable devices or beacons would ensure worker safety in restricted areas. Fourthly, wearable safety devices like smart helmets or safety vests with proximity alerts can prevent accidents. Fifthly, incorporating IoT technology to manage worker fatigue by monitoring sleep patterns and recommending breaks would prioritize their well-being. Additionally, an emergency response system that triggers alerts and notifies relevant personnel in case of accidents is essential. Lastly, utilizing IoT devices for interactive safety training and predictive maintenance of equipment would enhance overall safety in industrial environments.

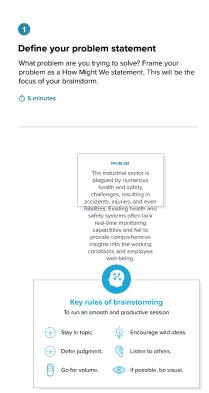
Reference:

https://app.mural.co/invitation/mural/naanmudhalvan9291/1684466878983?sender=ua3fc7fba50761da6e8789649&key=d574e9d2-a680-42aa-b564-bc61b82af525

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

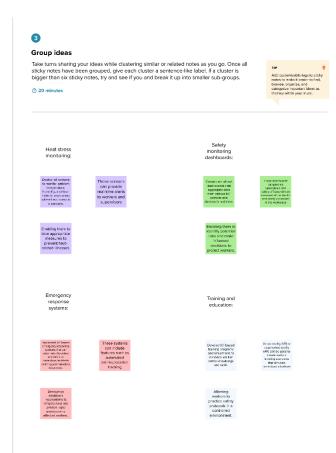






Step-2: Brainstorm, Idea Listing and Grouping:





Step-3: Idea Prioritization:

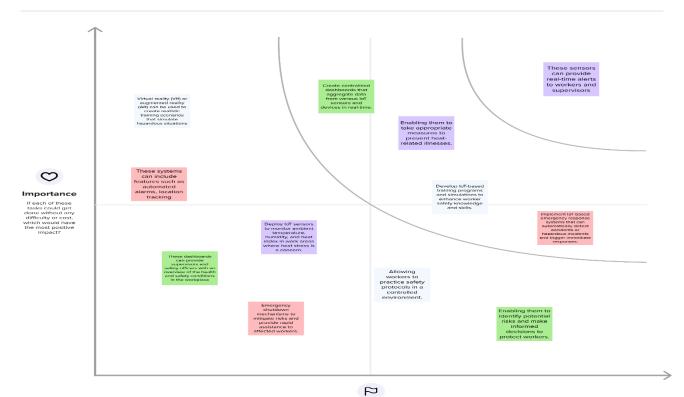


Prioritize

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.

① 20 minutes

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.



Feasibility

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