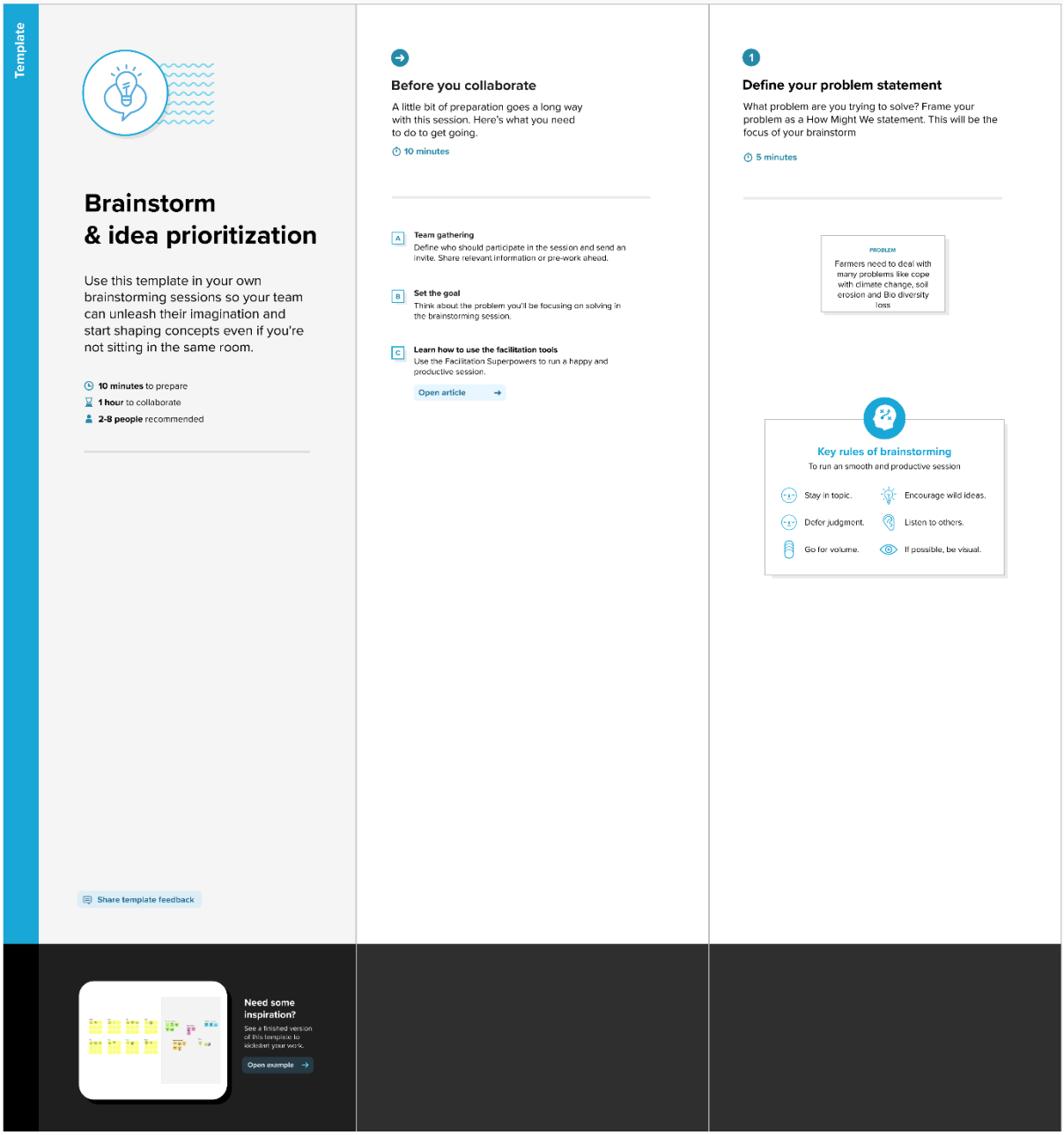
Ideation Phase

Brainstorm & Idea Prioritization Template

Date	20.10.2022
Team ID	PNT2022TMID05383
Project Name	IoT Enabled Smart Farming Application

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



Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

10 minutes

Naveen P M

- Frequent Climate monitoring
- Conserve water in wetlands
- Checking the humidity of plants often
- Avoid using new pesticides
- Use natural manure

Naveen T

- Improve soil quality by using natural manure
- Avoid walking in muddy land
- Turn off irrigation system when rain is in the forecast
- Cover the crops
- Eradicate introduced weeds on your property

Niranjan N

- Make shelter beds to save plants from harming
- Keep crop residue
- Do farming in seasonal manner
- Smart greenhouses
- Do farming near river area

Prasanth M

- Soil erosion has destroyed entire civilizations
- Deposits of silt in low lying areas
- Relationship between erosion and biodiversity are reciprocal
- Loss of newly planted crops
- Smart pest management

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

Soil erosion

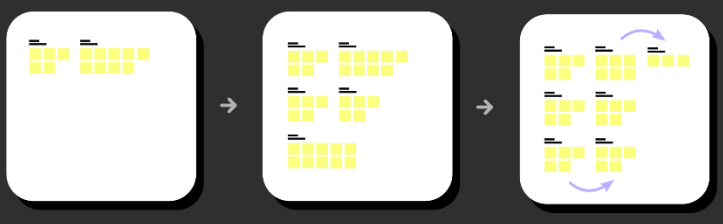
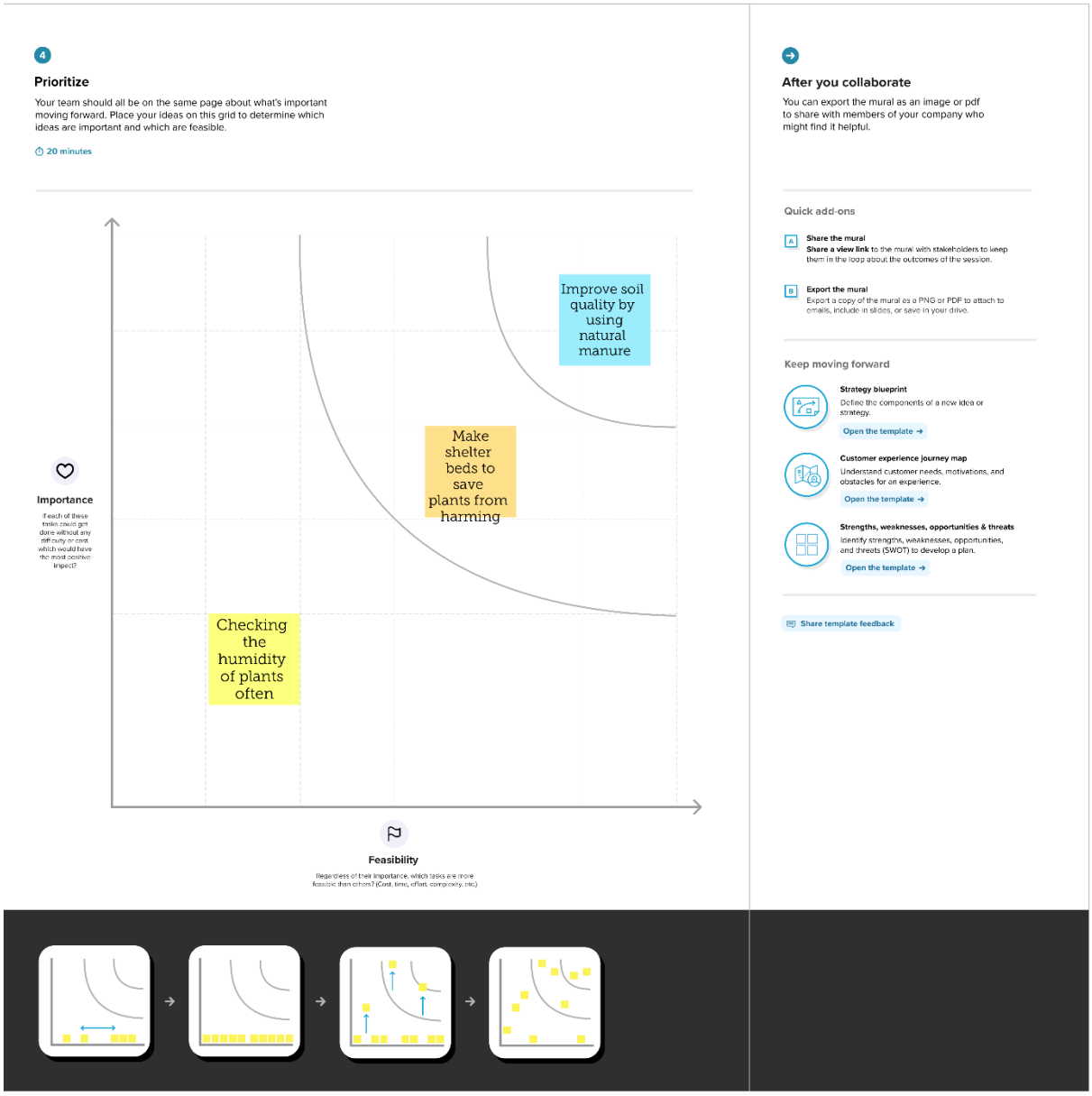
- Make shelter beds to save plants from harming
- Soil erosion has destroyed entire civilizations

Manure/Pesticides

- Improve soil quality by using natural manure
- Smart pest management
- Avoid using new pesticides
- Eradicate introduced weeds on your property

Climate

- Frequent Climate monitoring
- Do farming in seasonal manner
- Turn off irrigation system when rain is in the forecast



step-3: Idea Prioritization