


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	1 November 2022
Team ID	PNT2022TMID12872
Project Name	Project - Real-Time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

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



Brainstorm & idea prioritization

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.

- 🕒 10 minutes to prepare
- 🕒 1 hour to collaborate
- 👥 2-8 people recommended

➔

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes

A **Team gathering**

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B **Set the goal**

Think about the problem you'll be focusing on solving in the brainstorming session.

C **Learn how to use the facilitation tools**

Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) ➔

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


How might we create an IoT Device which can continuously monitor river water quality and alert Municipality when an anomaly occur?





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!

SAJEESH P

Should be Cost Efficient	More Accurate	Continuous Monitoring
Remote Access	Should be Automated	User Friendly

JAVED MASUDH

Temperature, pH and Flow rate Measurement	Use IoT concepts	Discrete Readings
Mobile App	Node MCU	IBM Cloud usage

SUYAMBARASAN

Time to Time Message Delivery	More Resolution	Lesser Error
Easy Implementation	New Technologies	Long period performance

PREM KUMAR K

Wireless Communication	Web Based App	Modern Sensors
Data Integrity	Economically Affordable	ESP8266

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

