

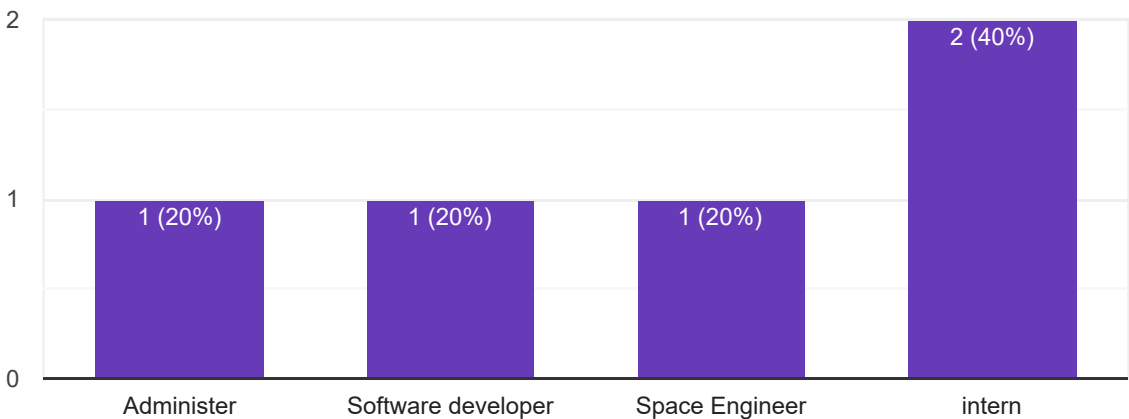
Outreach Survey Template

5 responses

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What is your current position or title?

5 responses

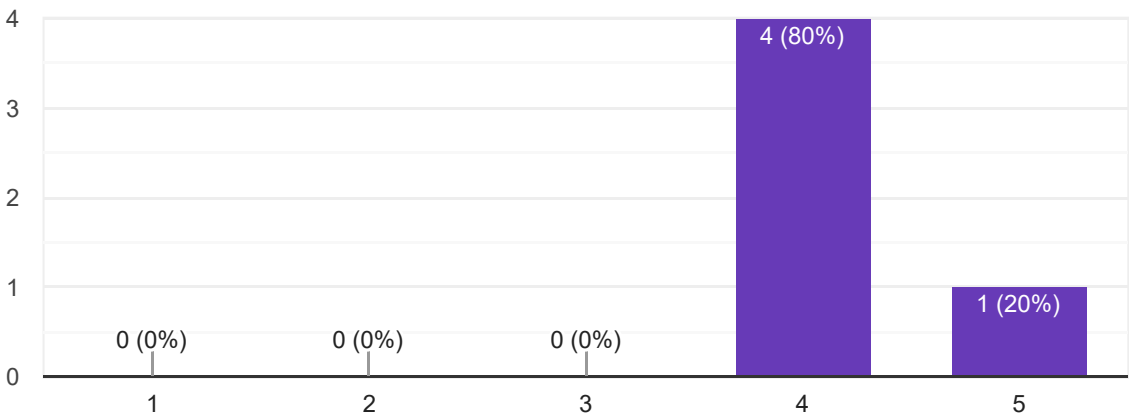


Virtual Assistants

Use Case 1

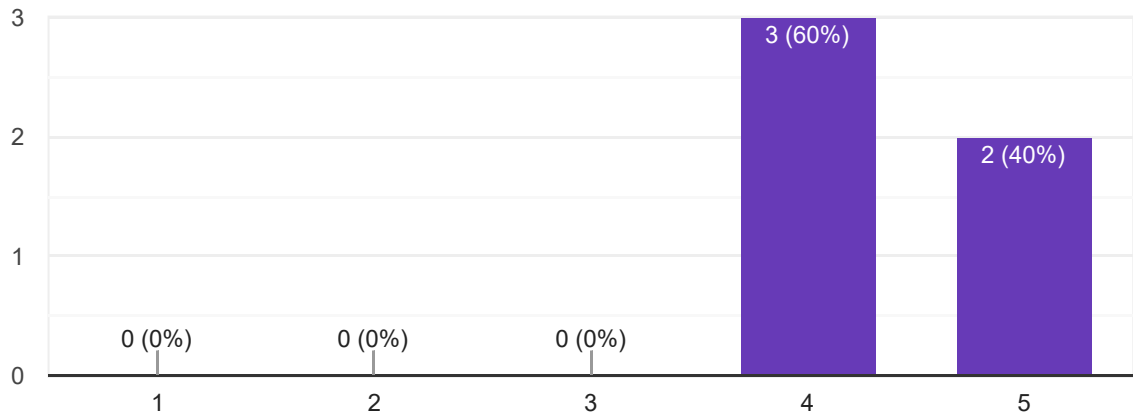
Based on the description above, how familiar would you say you are with the area being discussed in Use Case 1?

5 responses



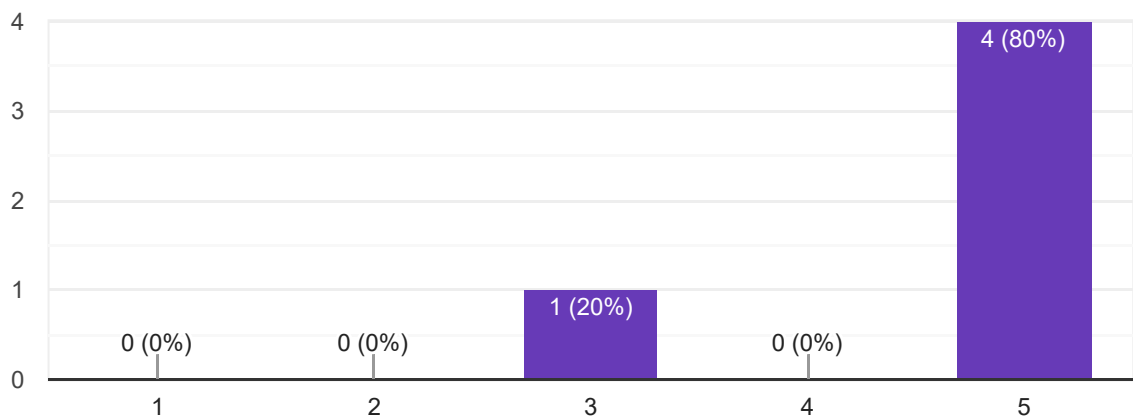
Regardless of your experience, how well would you say the problem in Use Case 1 is characterized based on your own knowledge?

5 responses



If the solution proposed in Use Case 1 worked, to what extent do you believe it would improve the day-to-day experiences of people in your business?

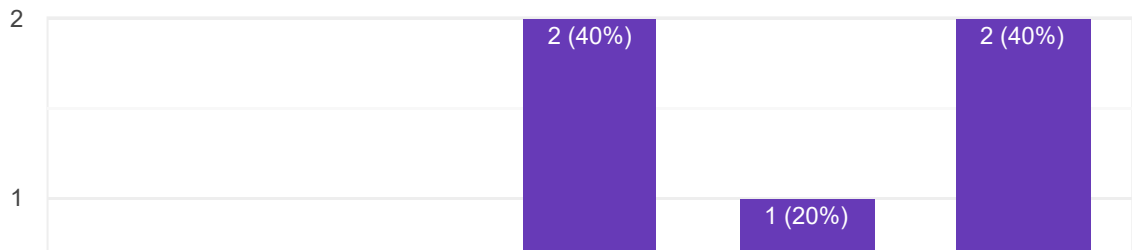
5 responses



If the solution proposed in Use Case 1 worked, to what extent do you believe it would create business value (e.g., increase revenue or reduce costs) for people in your business?

5 responses





What worries you most about the problem space described and the solution proposed in Use Case 1?

5 responses

Gathering the amount of audio files required for a proof-of-concept will be challenging since the use case is quite specific and niche.

I have some experience in this domain and creating chatbots with proper intents and understanding is very challenging and it might be risky to try to do this on the space station

The cognitive autonomous agent programmed to improve and beneficial the astronaut, but if develops a destructive method to achieve the goal.

I am concerned that the AI is not intelligent enough to understand the nuances in human communication, leaving the astronaut to have more stress or feel lonely.

agents making mistakes

What makes you excited about Use Case 1?

5 responses

Astronauts are always overburdened and this limits the number of experiments that can be approved. Many more experiments will be possible in the future with this implementation.

There is a really big impact and this could also be used in factories and other smart places like homes in the future

I am excited to see the improvement on the astronauts' performance. If it works, it would change the future.

It is really cool that astronauts can be more productive and have more rest. It must be very stressful to be so far away from home and constantly worry about failure.

saving people's time

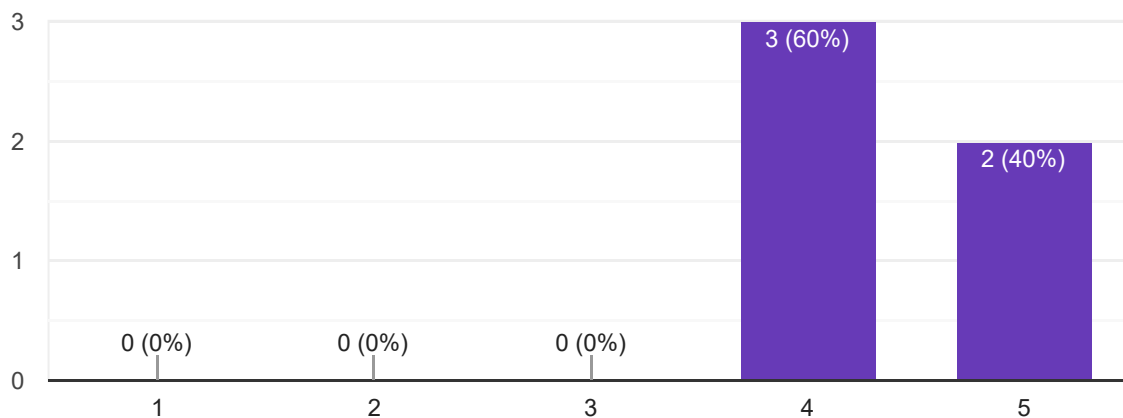


Planetary Exploration

Use Case 2

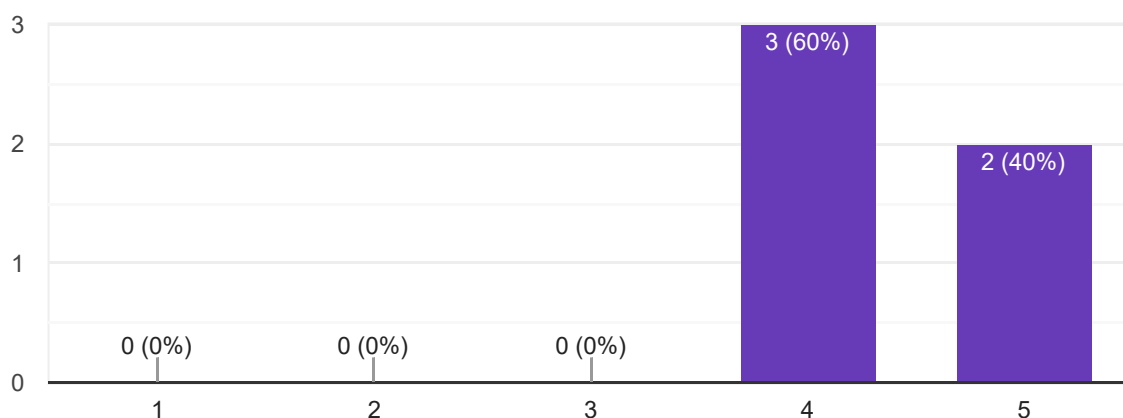
Based on the description above, how familiar would you say you are with the area being discussed in Use Case 2?

5 responses



Regardless of your experience, how well would you say the problem in Use Case 2 is characterized based on your own knowledge?

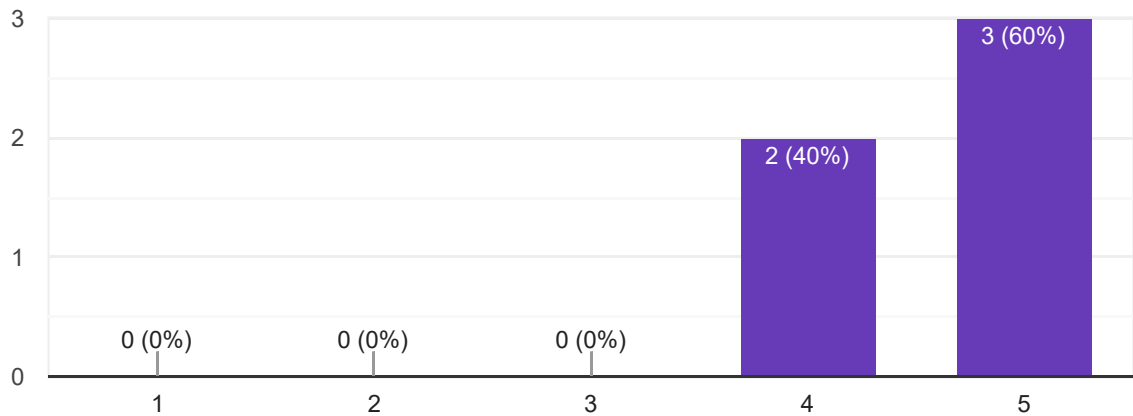
5 responses



If the solution proposed in Use Case 1 worked, to what extent do you believe it would improve the day-to-day experiences of people in your business?

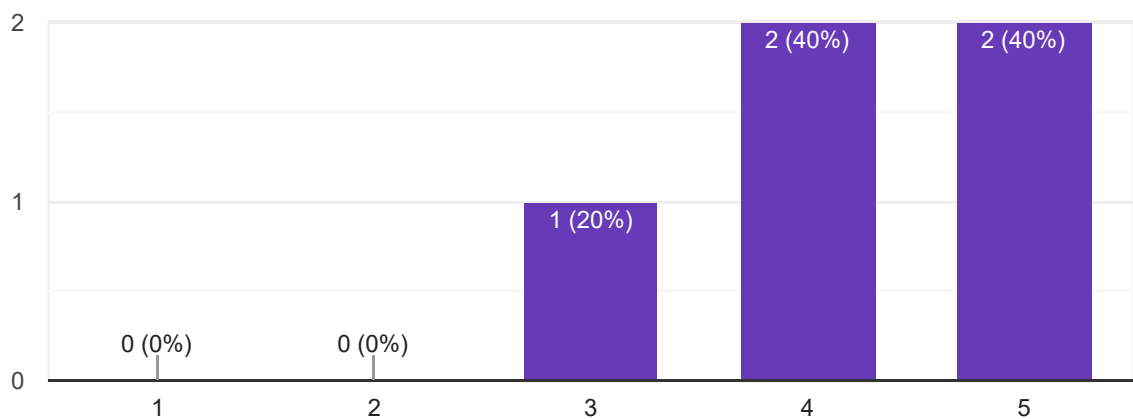
5 responses





If the solution proposed in Use Case 2 worked, to what extent do you believe it would create business value (e.g., increase revenue or reduce costs) for people in your business?

5 responses



What worries you most about the problem space described and the solution proposed in Use Case 2?

5 responses

The real-time system requirements for implementing this use case will be very challenging. There is a high potential for inaccuracies in sampled data.

From the programming side there will be many problems with race conditions and priority inheritance so a special scheduler must be made or a freshness value for data

Invalid data since the process will be faster.

I thought that something like this was already being done so I am concerned that a larger corporation is already doing this.



data security

What makes you excited about Use Case 2?

5 responses

If successful, this will allow for geo-spatial maps to be created much faster which allows for mission approval sooner.

This method could also be used on earth and combined with GPS

I am excited to see the outcome of it.

Since it seems like a common sense problem to me but I am excited to receive new images and maps from the ISS.

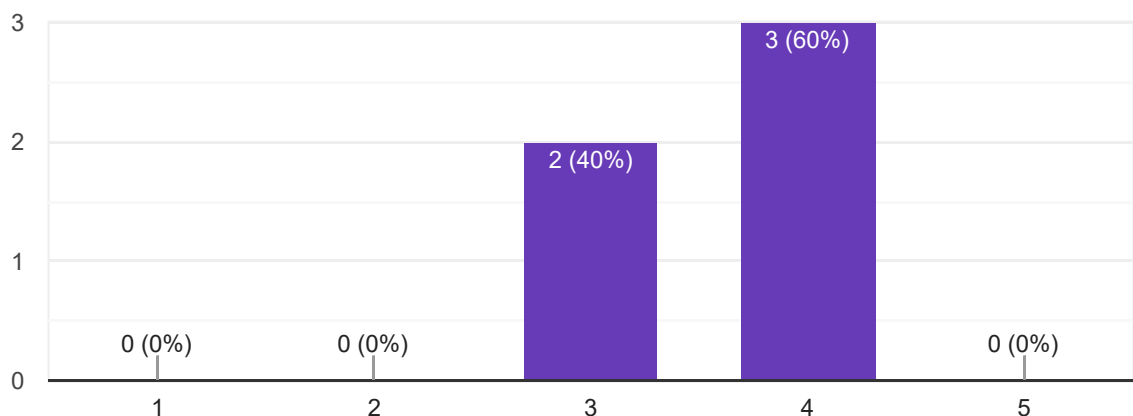
robot-to-robot (R2R) communication

System Design & CAD

Use Case 3

Based on the description above, how familiar would you say you are with the area being discussed in Use Case 3?

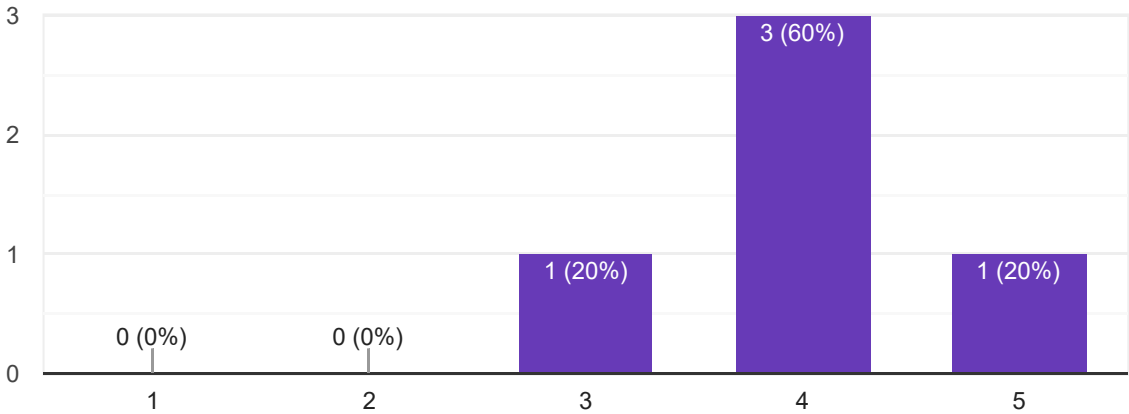
5 responses



Regardless of your experience, how well would you say the problem in Use Case 3 is characterized based on your own knowledge?

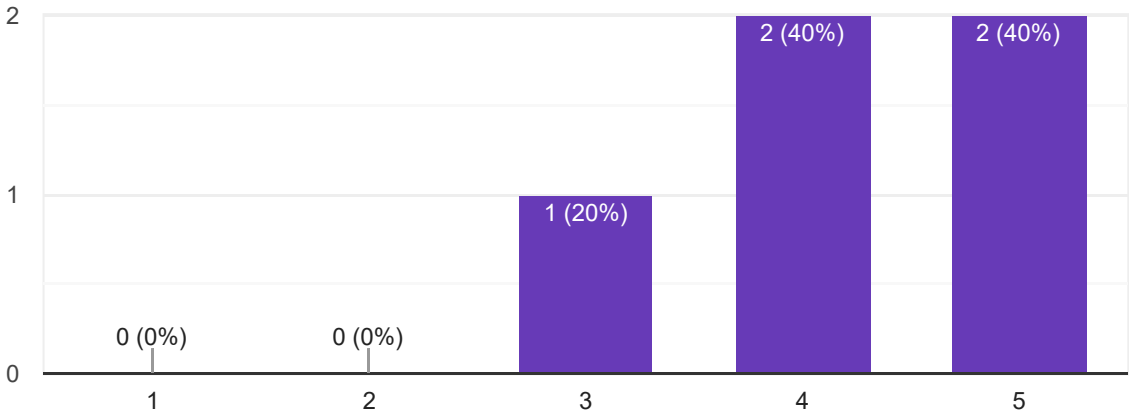


5 responses



If the solution proposed in Use Case 3 worked, to what extent do you believe it would improve the day-to-day experiences of people in your business?

5 responses



If the solution proposed in Use Case 3 worked, to what extent do you believe it would create business value (e.g., increase revenue or reduce costs) for people in your business?

5 responses



2

2 (40%)

2 (40%)

What worries you most about the problem space described and the solution proposed in Use Case 3?

5 responses

I am not that familiar with this use case as I do not have a background in ME.

I am concerned that some information will not be available to the algorithm or that it will converge on a nonoptimal solution and no one will check it

Errors would lead to entire change in system.

I am worried that the results will not really be accurate since simulation does not really match the real world.

nothing

What makes you excited about Use Case 3?

5 responses

It sounds like it has a lot of potential and would eventually impact the creation of launchers and satellites as well.

This method will be extendable to car design and other things like computers

I am excited to apply it in real-world.

If these optimizations can really be created, I think that our company would be able to gain a lot more bids for space projects.

material and operation costs will decrease

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