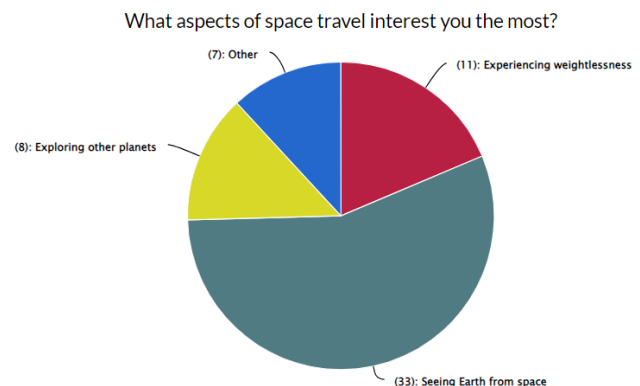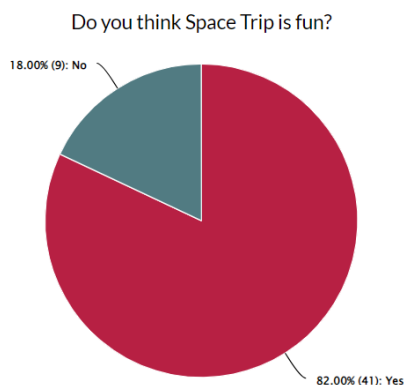# 1.PROJECT PROPOSAL

1.1 Background to the Problem

In a world where space exploration is increasingly becoming a reality for civilians, there exists a gap in accessibility to space travel. The root cause lies in the lack of an efficient and user-friendly platform for individuals to book their trips beyond Earth's atmosphere. This problem is of paramount importance as it addresses the democratization of space travel, opening it up to a wider audience beyond just trained astronauts.

1.2 Solution to the Problem

Our project, the Space Trip App, aims to bridge this gap by providing a comprehensive solution for booking space travel experiences online. The objective is clear: to offer a seamless platform that allows users to easily purchase tickets for space trips to various destinations in outer space. With the feasibility to meet business objectives, our app will revolutionize the space tourism industry. The basic functionalities of our app include a **user-friendly interface** for browsing and selecting space **trip packages**, secure **online payment** options, **real-time availability** updates, and **personalized trip customization** features. By making space travel more accessible, our solution will have a significant impact on societal perceptions of space exploration, opening new opportunities for scientific research, cultural exchange, and personal growth.

The target group of users for our solution includes adventurous individuals, space **enthusiasts**, **researchers**, and those seeking **once-in-a-lifetime experiences**. They will benefit from our proposed solution by gaining easier access to space travel opportunities, fulfilling lifelong dreams, and contributing to the advancement of space exploration.
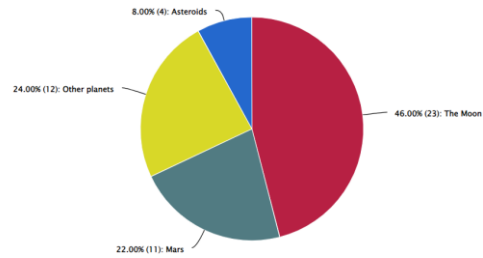
According to a survey done by us among 50+ civilians, 82% of them think travelling beyond the earth is fun. 66% of them wants to see the earth from space. Specially, 46% of people wants to visit the moon. 50% of people don't have a proper idea about current space tourism options or space travel initiatives.

Do you think Space Trip is fun?
18.00% (9): No
82.00% (41): Yes

What aspects of space travel interest you the most?
(7): Other
(11): Experiencing weightlessness
(8): Exploring other planets
(33): Seeing Earth from space

What is your level of familiarity with current space tourism options or space travel initiatives?

16.00% (8): Very familiar
50.00% (25): Not familiar at all
34.00% (17): Somewhat familiar
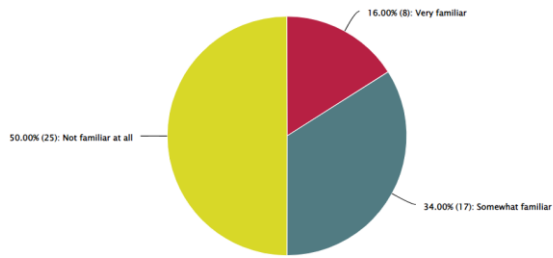
What destinations in space would you be most interested in visiting?

8.00% (4): Asteroids
24.00% (12): Other planets
46.00% (23): The Moon
22.00% (11): Mars

48% of people think space travelling will be beneficial for advancing scientific knowledge.26% think it will be inspiring for the future generations. Therefore, the survey also includes a question that if they wants an app for getting information about the total cost and the process of the trip. 86% of them wants an app to get proper information of space travel.

How do you think space travel could benefit humanity or contribute to scientific research and exploration?

- 48.00% (24): Advancing scientific knowledge
- 26.00% (13): Inspiring future generations
- 14.00% (7): Opening up new possibilities for human expansion
- 12.00% (6): Other
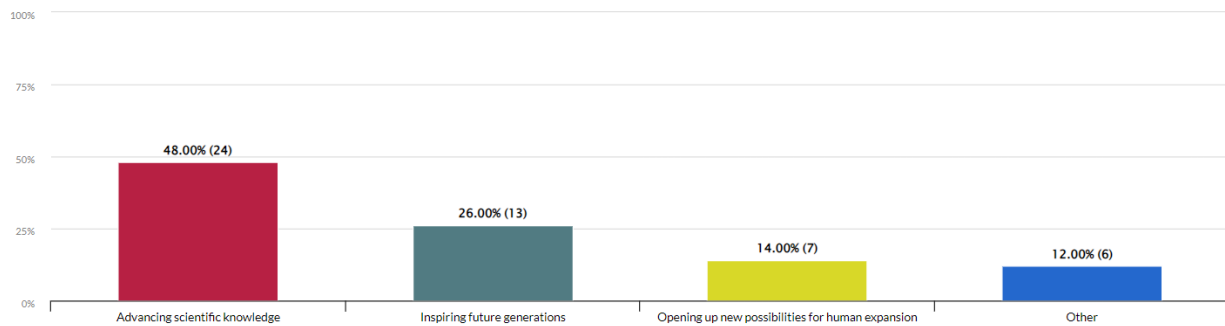
Do you think there should be an app where you can see the cost and the entire process of making a trip to outer space?

The app will be free to download and you can create your profile for free.

(7): no
(43): yes
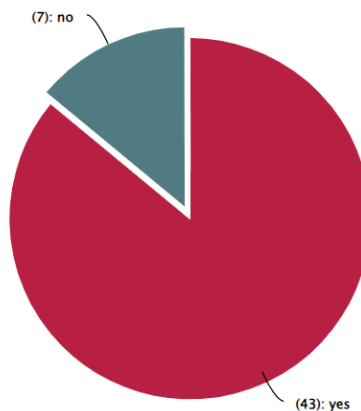
As of today, there isn't an existing mobile app where people can directly book tickets for a space trip. However, there are several apps and resources that can keep people informed about space travel developments and inspire them spacefaring dreams:

NASA App: This official app provides news, images, videos, and even live streams of space missions, letting you virtually experience space exploration.

SpaceX App: While not for booking yet, the SpaceX app offers real-time mission updates and launch notifications.

Star Walk 2: This AR app lets you explore the night sky, identifying constellations, satellites, and other celestial objects.

Virtual Astronaut: This VR app immerses you in realistic space simulations, from spacewalks to moon landings.

References:

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