Project Proposal for Amusement Park Management System

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Project Title:

Amusement Park Management System

Introduction:

The Amusement Park Management System is designed to streamline and enhance the operations of amusement parks. This system will manage essential aspects such as ticketing, rides scheduling, visitor management, staff management, food and beverage outlets, and customer feedback. It aims to provide a seamless and enjoyable experience for visitors while ensuring efficient park management.

Gform link: https://forms.gle/f6xCzeMKXsxKM9nV7

Response sheet: 🟢 Exp no 4: Market Trend and Analysis (Responses)

How often do you visit amusement parks?

26 responses

- Once a year or less
- 2-3 times a year
- More than 3 times a year
- Never

80.8%
11.5%
7.7%
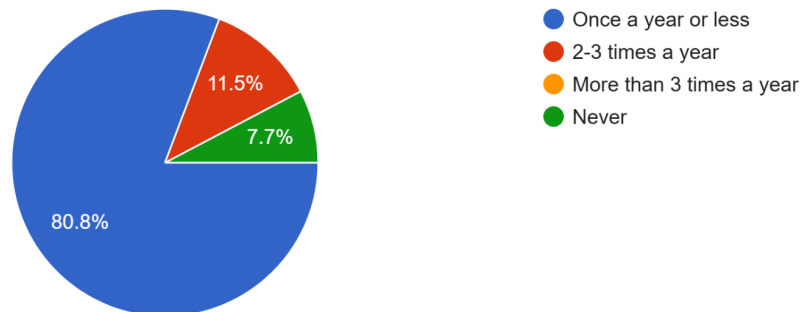
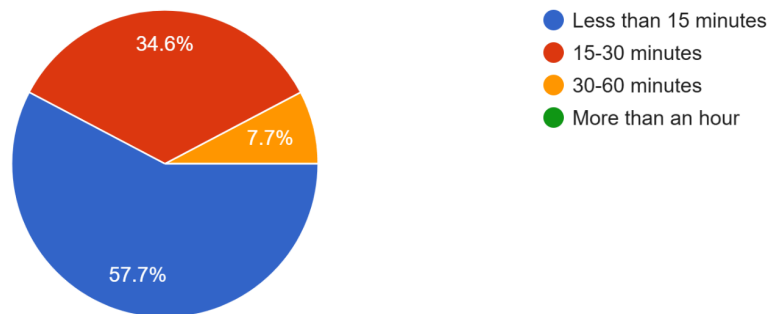## What do you find most frustrating about amusement park visits? (Select all that apply)
26 responses

Category	Value
Long wait times for rides	23 (88.5%)
High ticket prices	15 (57.7%)
Crowded spaces	14 (53.8%)
Limited food options	6 (23.1%)
People	1 (3.8%)
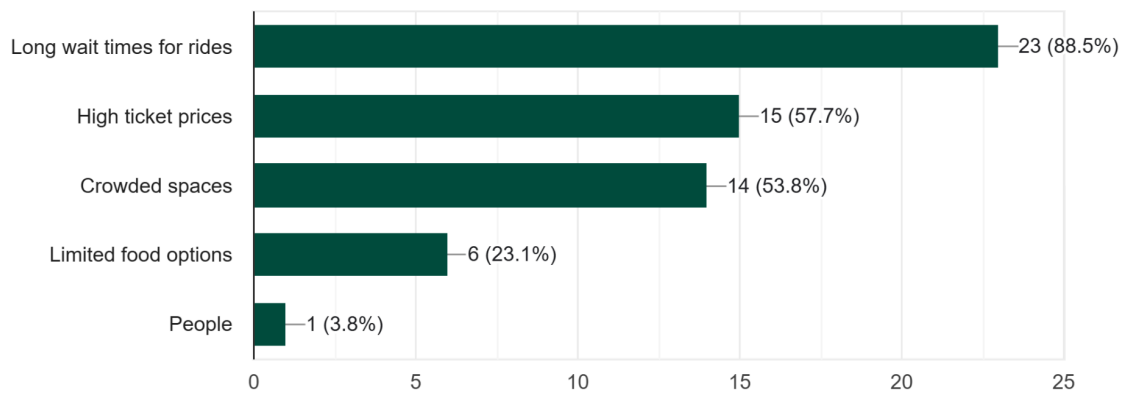
On average, how long are you willing to wait for a popular ride?
26 responses

- Less than 15 minutes — 57.7%
- 15-30 minutes — 34.6%
- 30-60 minutes — 7.7%
- More than an hour

Have you ever used a virtual queue or fast-pass system in an amusement park?
26 responses

- Yes, frequently — 19.2%
- Yes, occasionally — 34.6%
- No, but I've heard of them — 42.3%
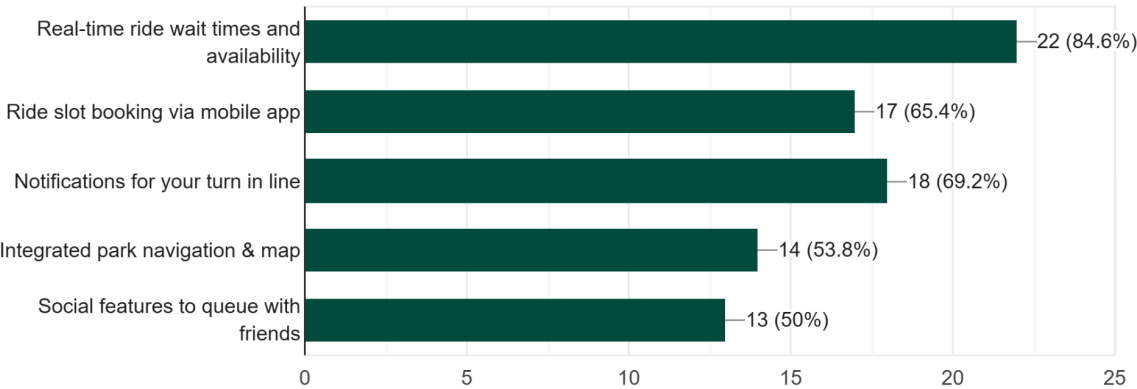- No, I'm unfamiliar with them
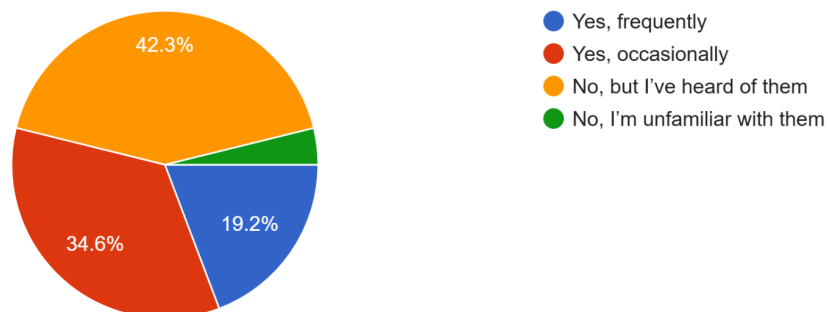
Would you be interested in using a Smart Queue Management System that lets you book ride slots via a mobile app instead of waiting in long lines?
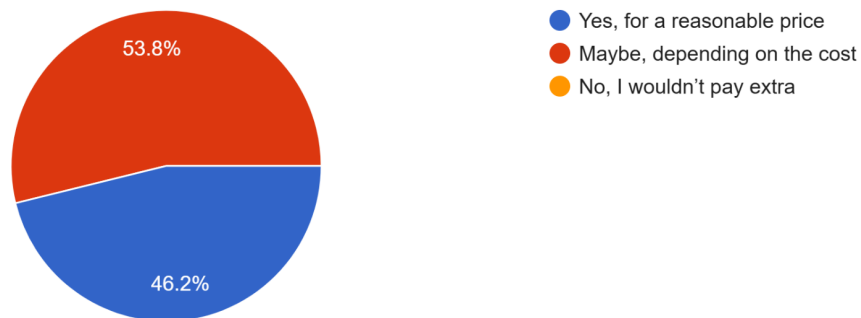
26 responses

- Yes, definitely
- Maybe, if it's affordable
- Not really
- No, I prefer traditional queues

23.1%

76.9%
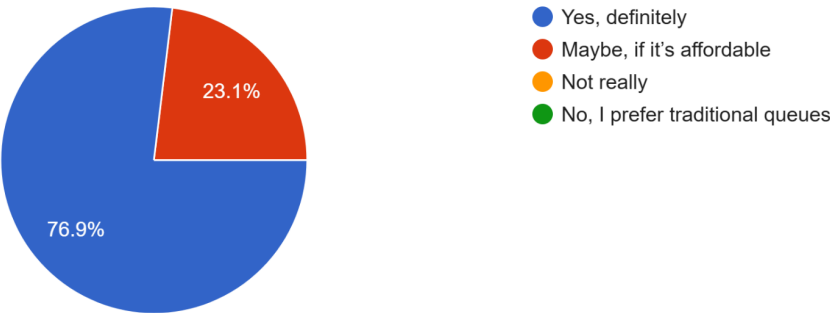
What features would make a Smart Queue System more appealing to you? (Select all that apply)

26 responses

Feature	Count
Real-time ride wait times and availability	22 (84.6%)
Ride slot booking via mobile app	17 (65.4%)
Notifications for your turn in line	18 (69.2%)
Integrated park navigation & map	14 (53.8%)
Social features to queue with friends	13 (50%)

Would you be willing to pay extra for a Smart Queue System that reduces your wait time?
26 responses

- Yes, for a reasonable price
- Maybe, depending on the cost
- No, I wouldn't pay extra

53.8%

46.2%

If a Smart Queue pass cost an additional $10-$20 per visit, would you consider purchasing it?
26 responses

- Yes, definitely
- Maybe
- No, that's too expensive

23.1%

53.8%

23.1%
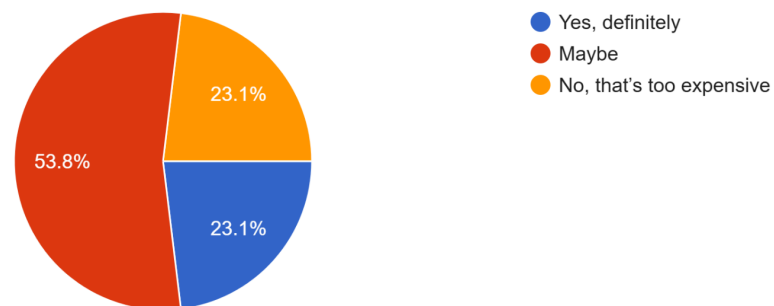
How likely are you to recommend a park that offers a Smart Queue System over one that doesn't?
26 responses
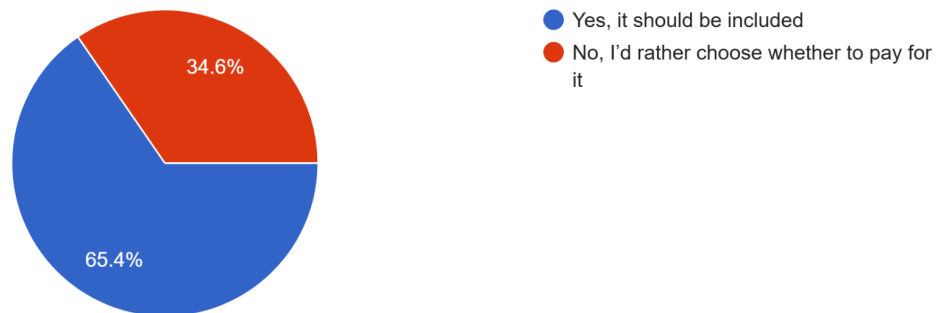
- Very likely
- Somewhat likely
- Neutral
- Unlikely

50%

7.7%

42.3%
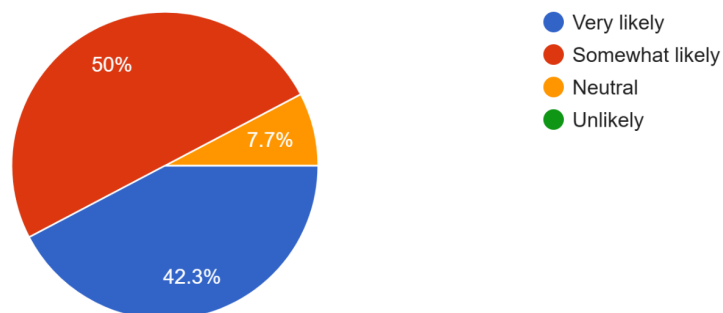
What potential concerns would you have about using a Smart Queue System? (Select all that apply)

26 responses

Concern	Count
Additional costs	18 (69.2%)
Complexity of the system	16 (61.5%)
Technical issues (e.g., app crashing)	16 (61.5%)
Fairness (ensuring all guests have access)	11 (42.3%)
Privacy concerns	10 (38.5%)
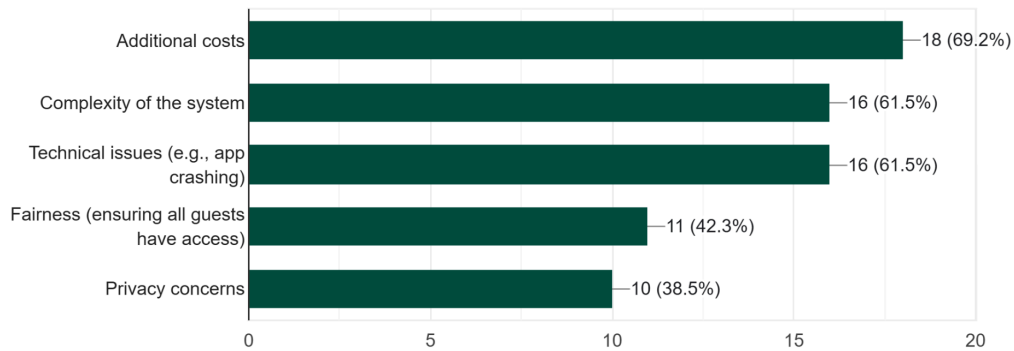
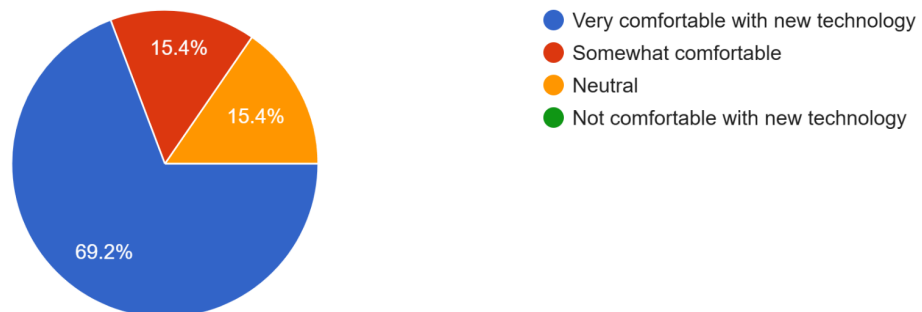## Would you prefer a Smart Queue System that is included in the general ticket price rather than an additional paid option?

26 responses

- Yes, it should be included — 65.4%
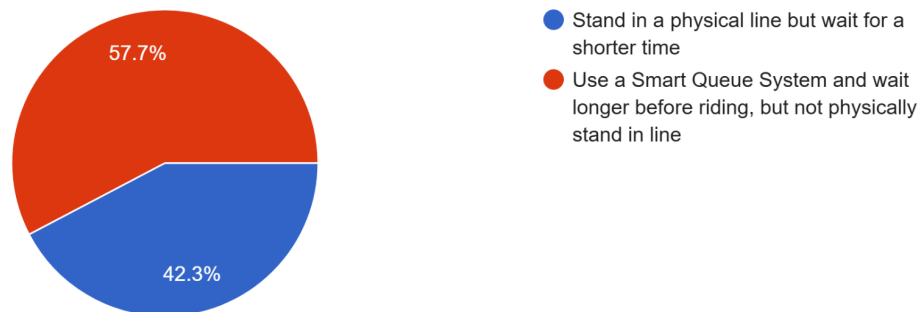- No, I'd rather choose whether to pay for it — 34.6%

How tech-savvy do you consider yourself?

26 responses

- Very comfortable with new technology — 69.2%
- Somewhat comfortable — 15.4%
- Neutral — 15.4%
- Not comfortable with new technology

If given the choice, would you rather:
26 responses

- Stand in a physical line but wait for a shorter time
- Use a Smart Queue System and wait longer before riding, but not physically stand in line

57.7%

42.3%

What would make a Smart Queue System more enjoyable for you?

Yes

If it can work in offline

Non app based entry like NFC bands.

Anything

Entertainment and engagement...

Games

N/A

Yes

nill

Coupons

Prioritizing even if you turn up late

Fast

None

Time saving and fast responses of options available.

Somewhat less time consuming in nature

Blah blah blah

Speed amd efficiency along with Huge influx management

Ease of use

Easy and reliable

Time

-

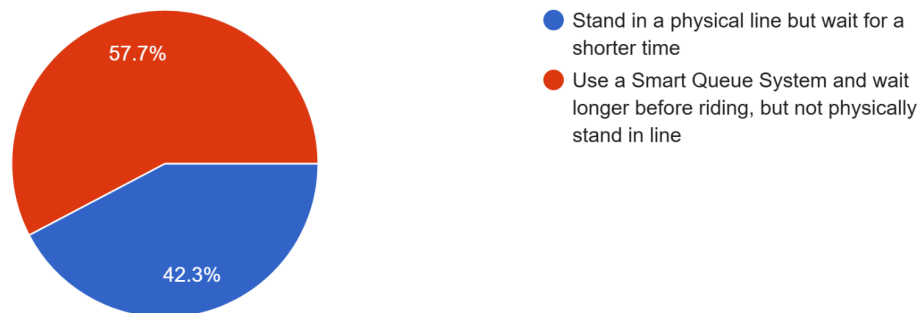Real time notifications and reminder regardin the number of people in front of you

Able to go to many rides and have fun

Less waiting time. Reasonable cost.

Less waiting

If given the choice, would you rather:
26 responses

- 🔵 Stand in a physical line but wait for a shorter time
- 🔴 Use a Smart Queue System and wait longer before riding, but not physically stand in line

57.7%

42.3%

Do you have any suggestions on how amusement parks could improve the ride queue experience?

No

Nil

N/A

Yes

-

Use of Smart Bands like in Disney park

Smart queue system sounds good

NA

no

nil

Have other fun things to keep people engaged while waiting, or come up with technology incorporated solutions like this smart queue system

Well they can just give a time stamp

None

Adding similar rides for age group wise

Be active instead of being lethargic

No

N/a

Smart Queues are a good idea to go about it

Should be cost friendly, should be user friendly and should be well notified

People go to enjoy so if these parks can give best memories by safety, good environment and reasonable cost people will frequently visit the place

Conclusion:

The Amusement Park Management System will be a comprehensive solution for managing day-to-day park operations efficiently while elevating the visitor experience. By leveraging modern technology, this project promises to provide value to both administrators and visitors, ensuring smooth park operations and memorable guest experiences.