

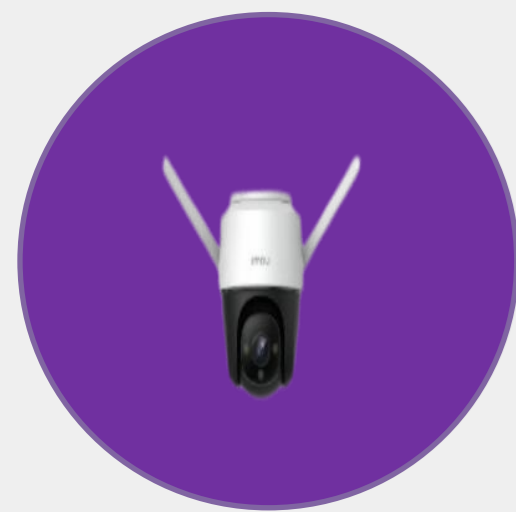
### INTRODUCTION

In our connected world, the Internet of Things (IoT) has made life easier, but it comes with privacy concerns. Smart devices, while handy, can also put our personal information at risk. With more IoT use, the chance of unauthorized access and data breaches goes up. To address these problems, our thesis seeks to create a user-friendly iOS app. This app helps users understand and classify their data impact, giving them the knowledge to make smart choices and promote safe online practices.

### GOAL

Our primary goal is to develop an iOS mobile application using the Dart programming language that simplifies the complex world of data impact assessment into three clear levels: High, Medium, and Low. By crafting intuitive and user-friendly interfaces, our app will provide users with a powerful tool to measure the consequences of their data usage. Through this, we aim to empower individuals to make informed decisions about their data privacy and security, creating a user-centric solution that bridges the gap between the intricacies of data impact and the need for user-friendly technology.

### STRUCTURE OF THE SYSTEM



IoT Device

AND



Show the data impact

### METHODOLOGY

- Understand the needs of the target users.
- Design a system that meets those needs.
- Implement the system using Dart and the iOS SDK.
- Test the system thoroughly to ensure accuracy, transparency, privacy, and usability.
- Deploy the system to the App Store.

### TOOLS



### HOW THE APPLICATION WORK



### FUTURE PLAN

Our next step is to bring the app to Android while keeping its user-friendly design and the three-level data impact feature. This will make the app efficient and give a consistent experience to both iOS and Android users.

### CONCLUSION

"TBAYYAN" app is your trusty sidekick for mastering your data's impact in the IoT world. With our user-friendly iOS app, you can effortlessly grasp your data's impact, neatly sorted into three levels: High, Medium, and Low. No more data confusion; it's all about giving you the power to make informed choices with our straightforward interface. Our mission? Protecting your data and raising awareness about the potential risks lurking in the world of IoT devices. With "TBAYYAN," you'll be well-equipped to make informed decisions when considering devices that might access your data.