



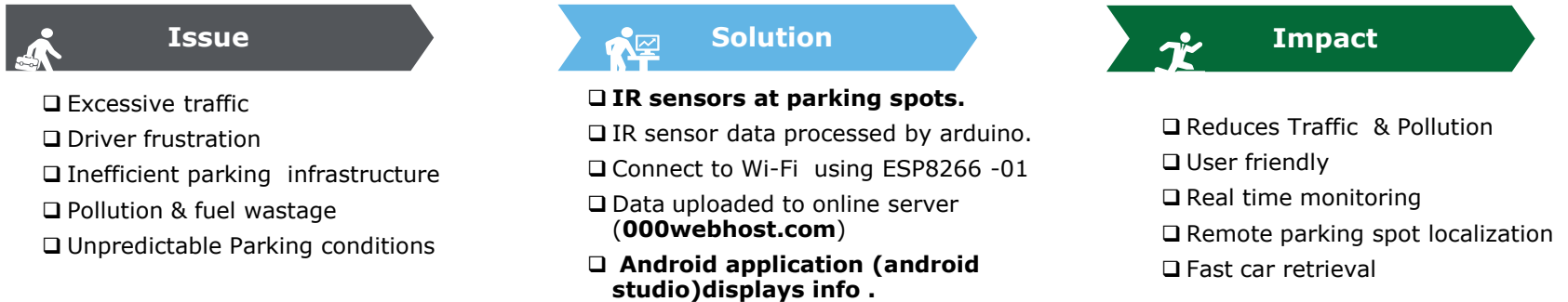
TechnoUtsav - 2018

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Business Problem

With the rise in population, there is an increase in vehicle count which leads to parking problems in public places. Hence there is a demand for smart parking system.



- Lack of proper parking management system in our nation is the key issue that led to the generation of this idea.
- Other alternatives include tele enquiry & booking but it is time consuming & not feasible.
- Hence the use of IoT which provide a time efficient and use friendly platform.
- Utilization of concept of IR sensors to detect the presence of cars.

The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

- Digital data from slots equipped with IR sensors uploaded to online database from which a mobile application displays info accordingly in understandable format.
- New user registers on signup page and gets a username and password.
- User can use the username and password created to login and can access the parking slots availability details about his concerned area and choose one of the available slots by paying a nominal charge.

To outreach this idea for commercial purpose we can do following things:-

- **Launch smart parking app on play store.**
- **Secure the data on the server with more advanced measures and authenticate the users with proper id.**
- **Introduce navigation system for further driver convenience.**
- **Charge nominal fee for booking of parking spaces in advance.**

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