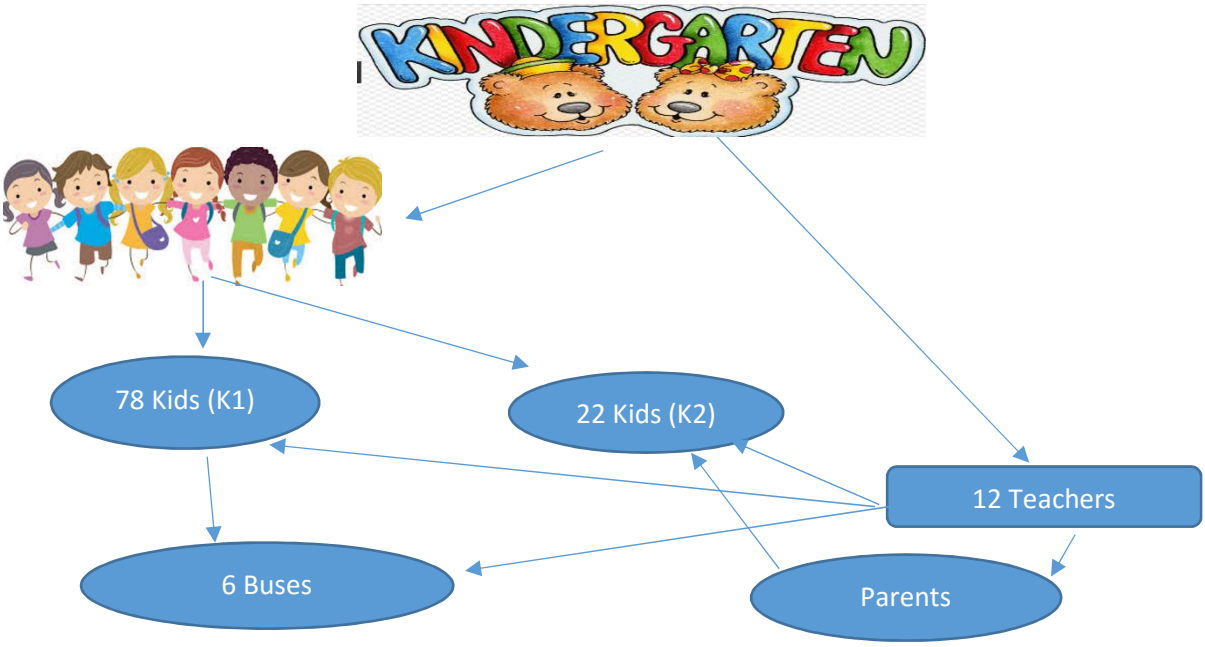
Story:

IoT can help us in several ways with physical devices with embedded sensing and communication possibilities. Let's look into a scenario related to small Kids.

Let's assume that 100 kids are enrolled in a Pre-school playgroup named ABC kindergarten. Timings of Pre-school playgroup are 0800 HRS to 1400 HRS. At 1400 HRS 78 kids wait for their respective buses to go home and remaining 22 kids wait for their parents to pick them up. ABC kindergarten is having 12 teachers and 6 buses for 6 different routes.



Now put yourself in the shoes of a teacher who has to manage all the activities mentioned below:

1) All the 78 kids (K1) are boarding in the bus of correct route.
2) All the 22 kids (K2) are being escorted by correct set of people.
3) Remove irregularities in kids group K1 and K2 i.e. kid of K2 group is not sent by bus and vice versa.
4) Handle all the parents at the same time.
5) Tracking of kids till the time all reached their respective homes safely.

In this scenario we can make life of all the people involved hassle free by introducing IoT and implementing **Smartransporter** which can track:

1) Correct set of kids are boarded in bus of correct route.
2) All kids are taken care of.
3) Tracking till the last point.
4) Systematic function and hassle free life.

"Smartransporter can be a feasible and viable sub group of School Management Model if IoT is completely implemented"

Persona:

SAMAR SINGH: Coordinator

"Dream your dreams with your eyes closed, but live Your dreams with your eyes open."

About:

30, 6 Years of experience as Coordinator.

#Person responsible for coordination of teachers, Activities in preschool.

#Very keen for implementation of Technology.

Responsibilities:

Coordination of teachers and Activities in preschool.

I am responsible for implementing the technology in every aspect possible.

Main Goal:

being the person who makes decisions in organization, implementation of efficient and feasible technology to increase efficiency and comfort.

Better and hassle fee management.

Minimize the amount of time spent.

Needs:

Efficient and feasible technology solution.

Ability to record the Amount of time spent and minimize it to minimum possible number.

Pain Point:

Time management.

Reliance on Manual operations and check lists.

High number of queries at same point of time.

Point Of View:

As a **Teacher's Coordinator**

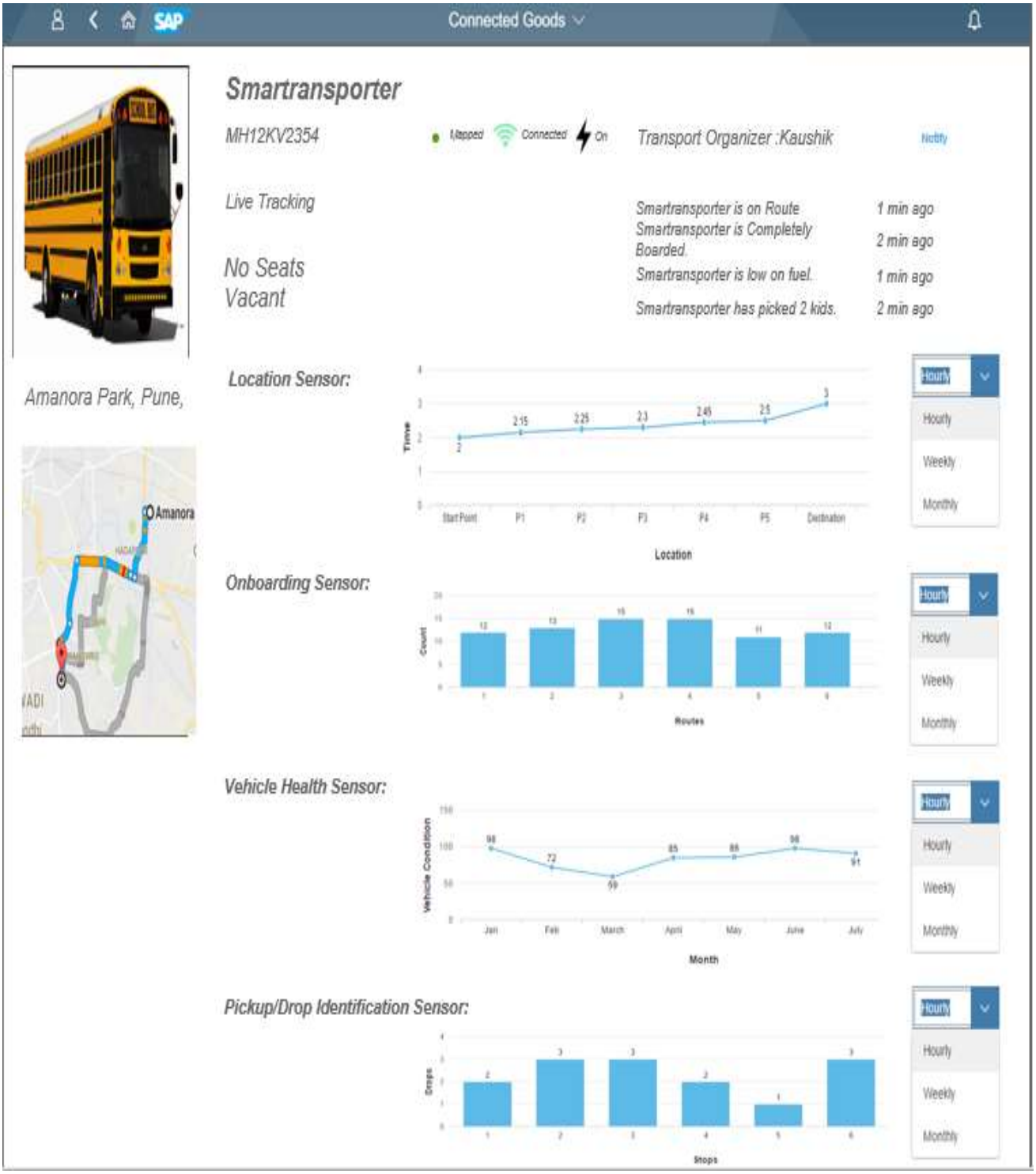
I need a way to **implement efficient and feasible technology**

So that **coordination, efficiency and comfort can be maximized and manual operations and check lists can be reduced to minimum extent by introducing IoT and implementing Smart Buses and Smart Schools**.

User Experience:

ACTIONS	At 1400 HRS all kids are gathered at assembly area.	Make separate queues for kids boarding bus (K1) and kids going with parents (K2).	Make sub queues for kids according to bus routes.	Cross check if every kid is boarding bus of correct route.	Meet Parents and let then escort kids after validating IDs.	Board your bus and track if everyone has reached home safely.
MINDSET	Ahh, again same routine.	So hectic.	Why kids can't get aligned.	Ohh, this manual attendance check again.	Ahh, these checks are killing me.	Finally, I can enjoy my way home.
FEELING						
TOUCH POINTS	Kids	Kids, ID cards	Kids, ID cards, Buses	Kids, Buses	Parents, ID Proofs	Bus, Peace

Prototype:


Connected Goods
Smartransporter
MH12KV2354
Mapped
Connected
On
Transport Organizer :Kaushik
Notify
Live Tracking
No Seats
Vacant
Smartransporter is on Route
1 min ago
Smartransporter is Completely Boarded.
2 min ago
Smartransporter is low on fuel.
1 min ago
Smartransporter has picked 2 kids.
2 min ago
Amanora Park, Pune,
Amanora
Location Sensor:
Time
Location
Start Point
P1
P2
P3
P4
P5
Destination
Hourly
Weekly
Monthly
Onboarding Sensor:
Count
Routes
Vehicle Health Sensor:
Vehicle Condition
Month
Jan
Feb
March
April
May
June
July
Pickup/Drop Identification Sensor:
Stops