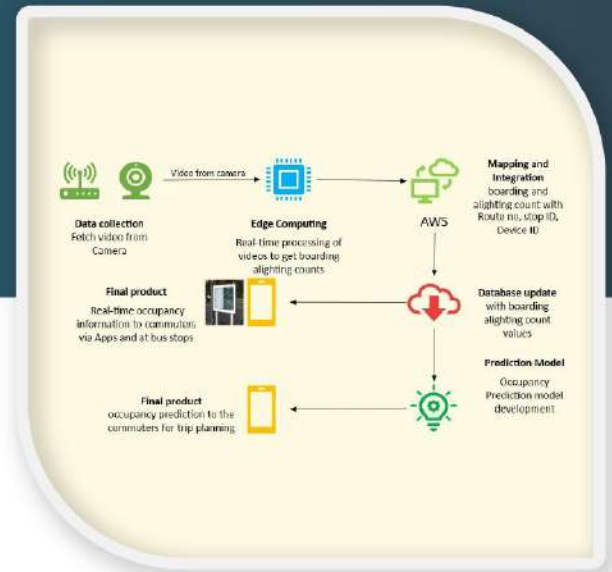


## TECHNOLOGY DEVELOPMENT PROGRAM SMART CITIES AND SOCIETIES

### WiPCoS

Wireless-Real-Time Passenger Counting System



#### Issue Being Addressed

- ▶ Real-time Automated Passenger Counting systems are unavailable in India
- ▶ Existing systems like weight-based systems are expensive, unreliable and do not work in real-time

#### Key Feature of the Technology/Product /App Which is Being Developed

- ▶ Edge computing device to measure real-time automated passenger counting
- ▶ Wireless device with the cloud integration for whole transit network
- ▶ Passenger occupancy predictions for the trip planning application

#### Impact & Benefits

- ▶ Passengers benefit from real-time bus occupancy data. Operators optimize routes with passenger insights. Governments utilize data for informed transit policies and urban planning
- ▶ Passenger shift to public transport led to less congestion and emissions on road

#### Team

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- ▶ **Nishtha Rawat**  
Research Scholar
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#### Targeted Customers & End Users

- ▶ Transit Operators in different cities

#### Commercialization Status

- ▶ Laboratory Testing of Integrated/Semi-Integrated System
- ▶ Prototype is developed