Not just KALANAGAR

Understanding:

Increase **efficiency of the use of roads**, not size of roads

Too many vehicles in city. Easing traffic in one place = problems elsewhere

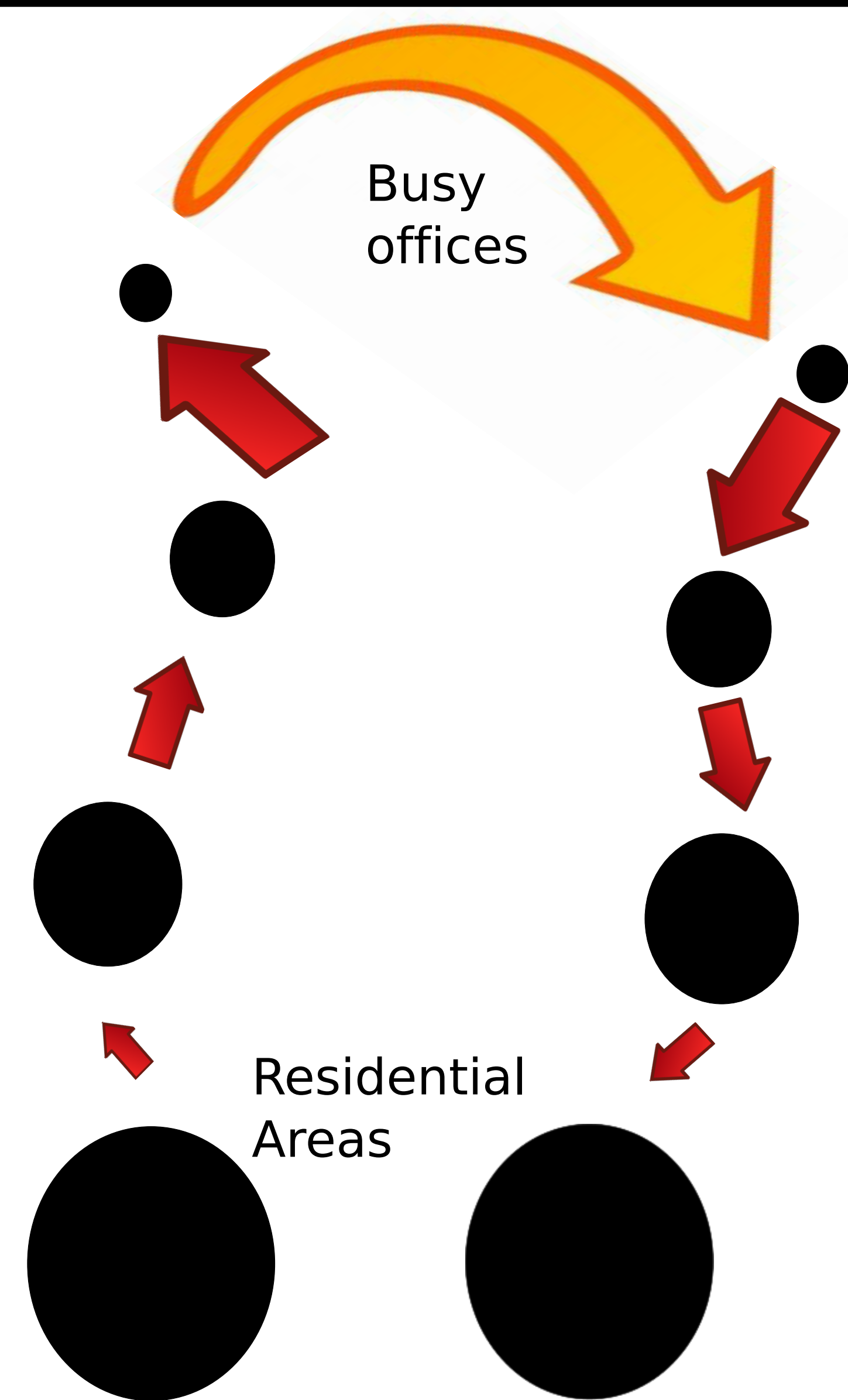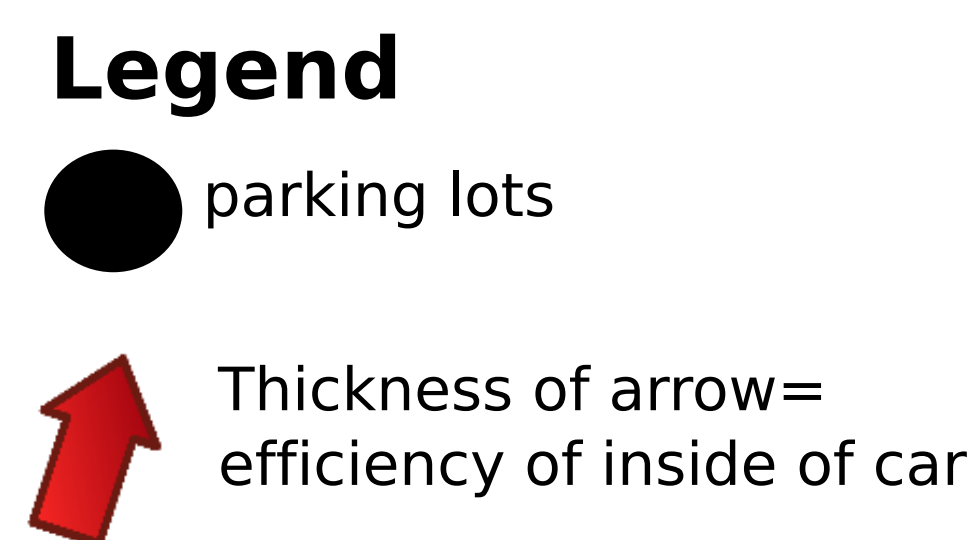**Holistic solution needed.** Not just traffic situation at Kalanagar

Needed: **System handling complexities**

Design must **respect as many relevant aspects of society:** Use of cars, behaviour of loosely connected networks

Use volume *inside* cars instead of roads *outside*

Legend

● parking lots

⬆ Thickness of arrow= efficiency of inside of car

- All journeys served
- Max 3 hops
- Each journey may use same or different cars
- **Central web-software using SMS**

Busy offices

Residential Areas

Google: *"Dynamic realtime ride sharing"*

Proposed design is a SOFTWARE: CAN BE DEMONSTRATED

Phyiscal design comes later

Proposal:

■ *Increase efficiency of use of volume inside* vehicles

■ Currently many vehicles are single person occupied *instead of 5 person*s

■ **More people inside** any given vehicle = **lesser vehicles** on road

■ **Normal car-pooling = failure. Not suitable for Indians**

■ Proposed flexible, *dynamic just-in-time multi-hop ride-share* **(NOT standard car-pool)**

.■ Not many changes: Large size parking lots closer to residential areas. Small parking lots (more numbers) placed strategically in busy areas

Working:
Do not go from residence all the way to office: owner parks car at convenient parking lot, hops into another car increasing efficiency of other car. Hops again till destination is reached. Dynamic just-in-time hops. Usage of *car internal volume become more efficient as more people use*

"Carrot - and -stick" motivation	
"Stick":	*"Carrot"*:
Special tax for under-utilised vehicles	Nice club for like-minded people
Taxation Zones: Periphery = one person cars Mid town = 2/3 person occupancy Busy areas= 5 person occupancy	Persons hop into cars of choice Car owner given share of tax income
Exemption for cars on critical duties	Bills shared

Finally: Use system for 9 months. Some will use. Some won't. System will reveal acccurate no. of cars on roads.
Only then architectural design and physical intervention started!