Does your city have a parking problem?

PARK IT RIGHT

Shreya Gadepalli

Urban Works

Where does the Sun rise from?

- ❑ EAST
- ❑ WEST

The Sun doesn’t rise!!

What are streets for?

Travelling across the city

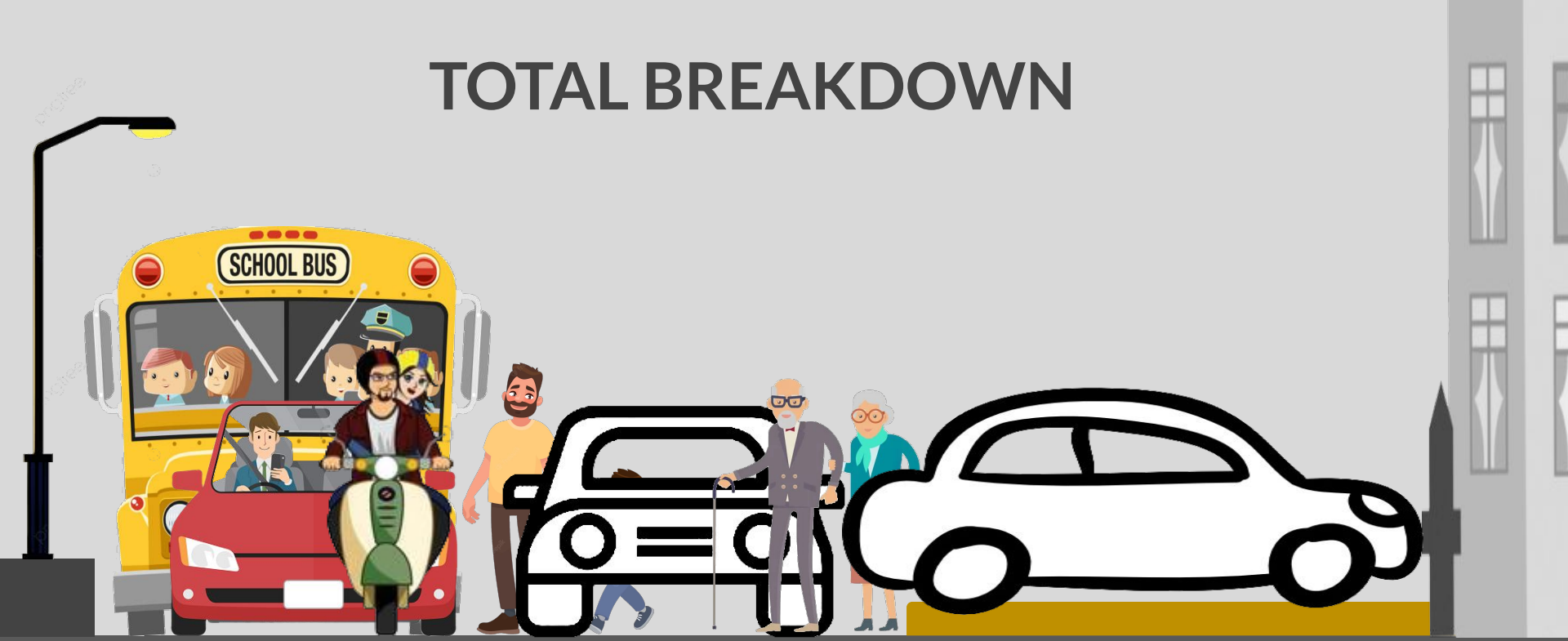
Walking and enjoying the city

A parking flood!

Parking is also blocking traffic

Parking has eaten away footpaths

TOTAL BREAKDOWN

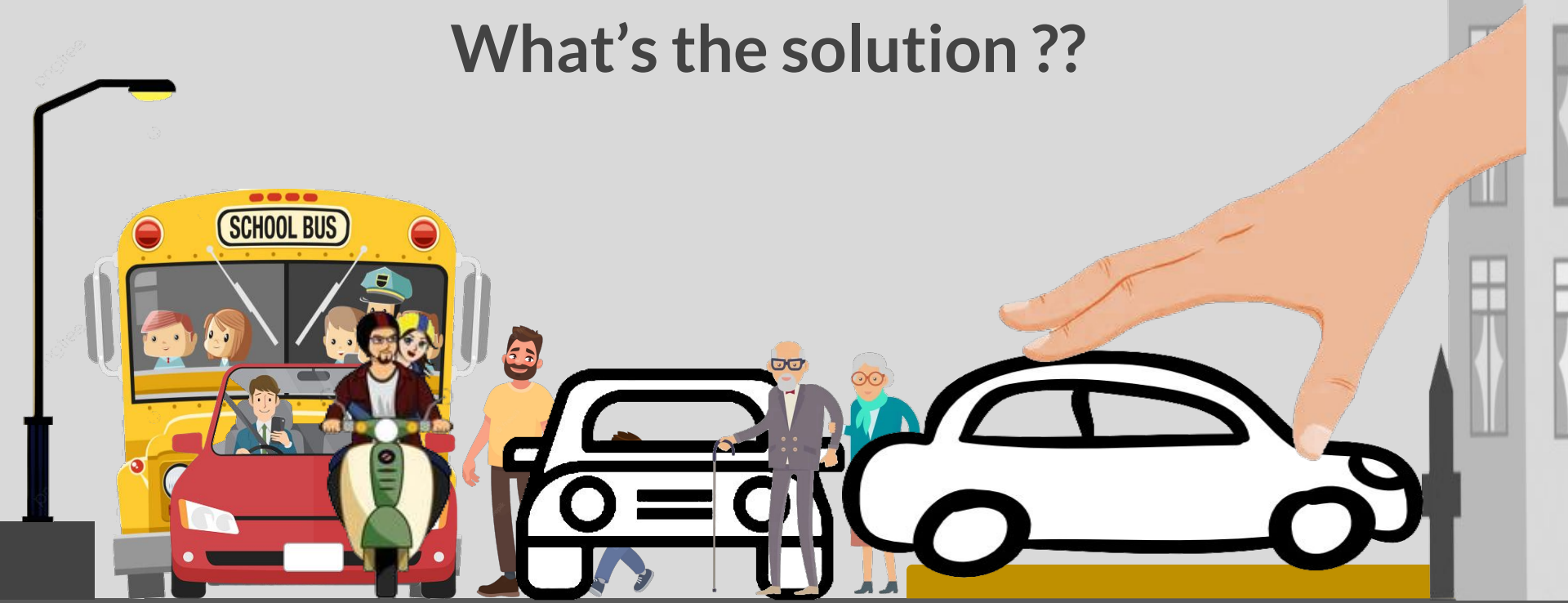


Vehicles are stuck in a jam forever

Walking has become a nightmare

No place is left for parking also!

What’s the solution ??



Move parking off street

RECLAIM STREETS FOR PEOPLE

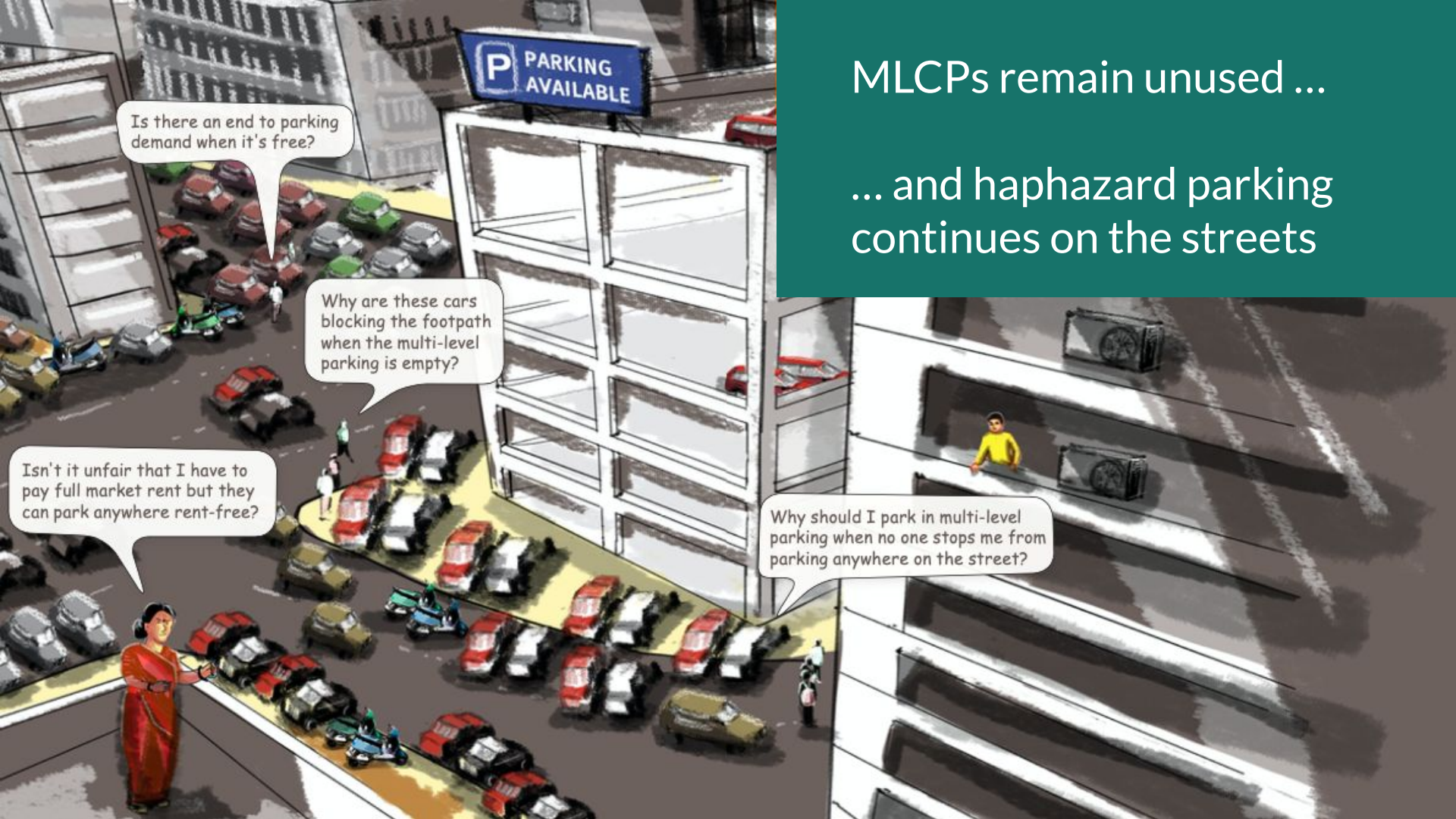
Building more parking can solve the problem

More parking in buildings (residential & commercial) …

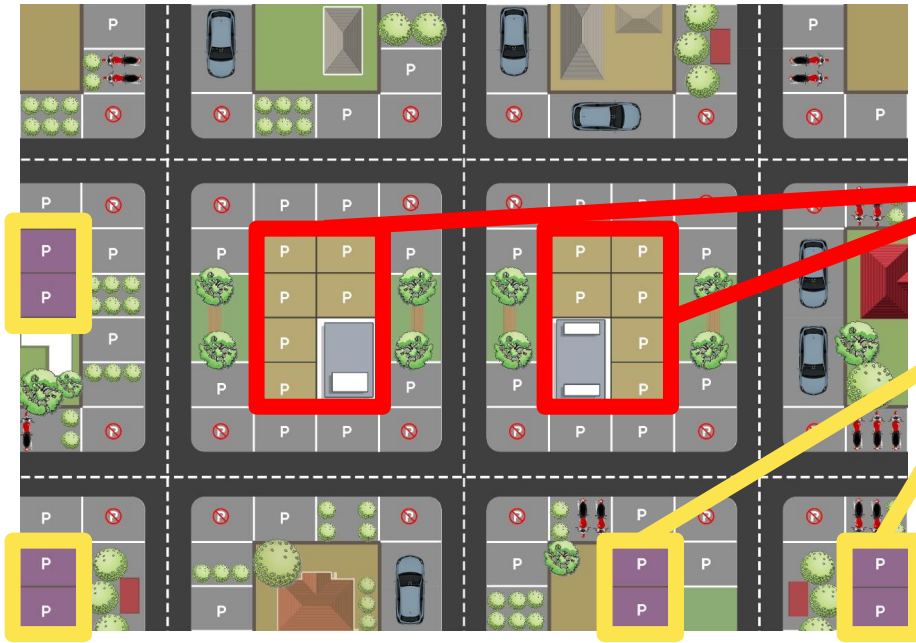
…isn't stopping parking spillover onto streets

MLCPs remain unused …

… and haphazard parking continues on the streets



PARKING GAME!!!

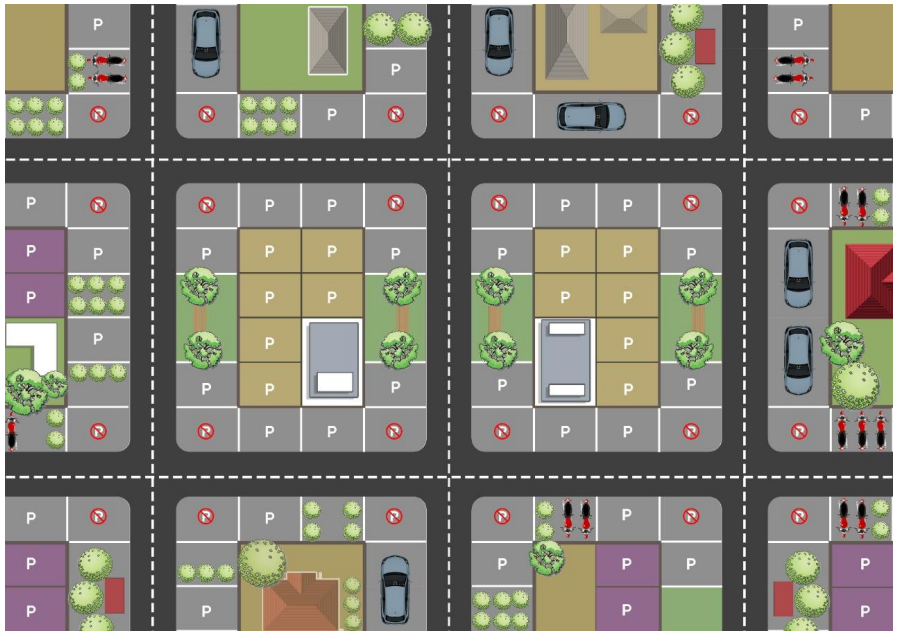


P MLCP parking (PPP)

P Parking lot (private)

P Street parking

PARKING GAME!!!



FIRST ROUND

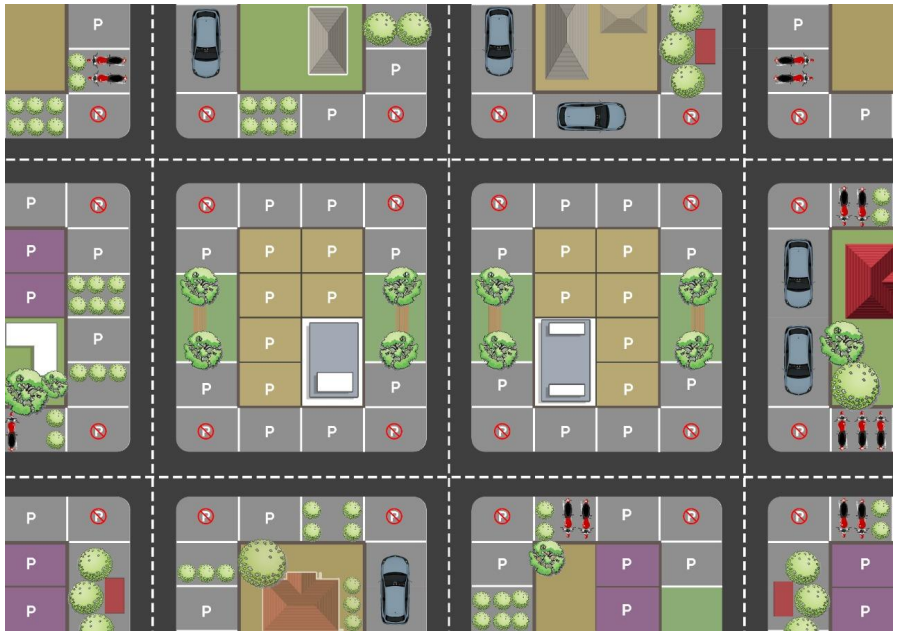
P MLCP parking = Rs.20/hr

P Parking lot = Rs.10/hr

P **Street parking = Zero**

P **Fine = Rs.1000** (poor enforcement)

PARKING GAME!!!



SECOND ROUND

P MLCP parking = Rs.20/hr

P Parking lot = Rs.10/hr

P **Street parking = Rs.30/hr**

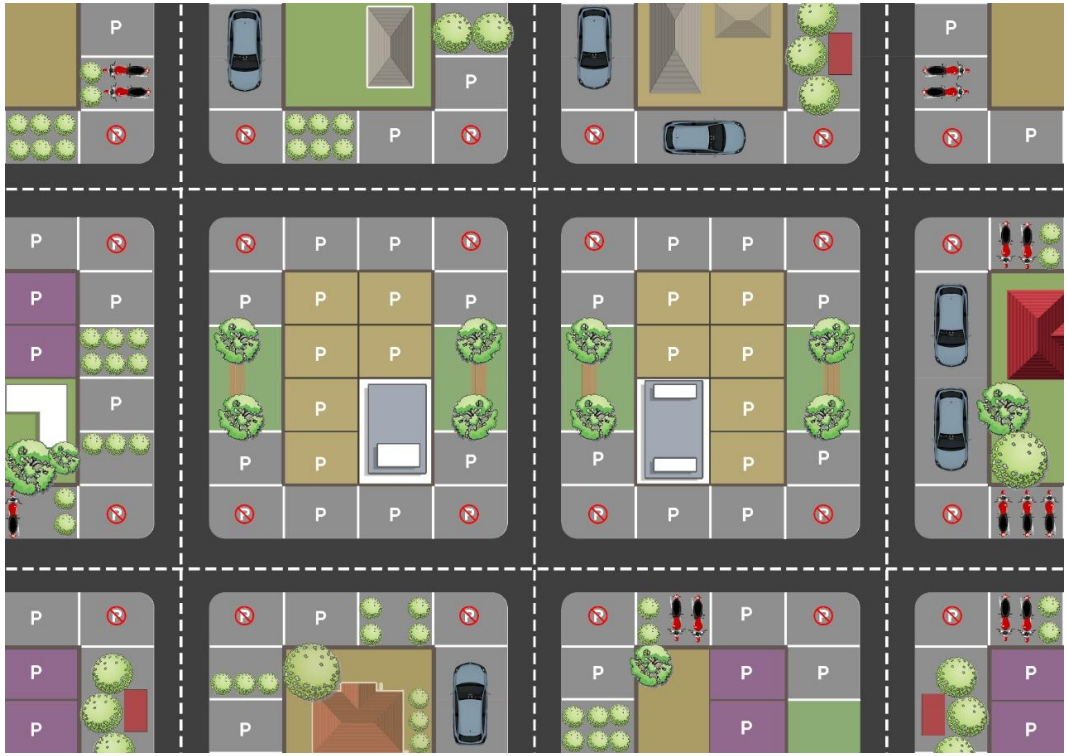
Fine = Rs.500 (good enforcement)

What do we learn from the game?

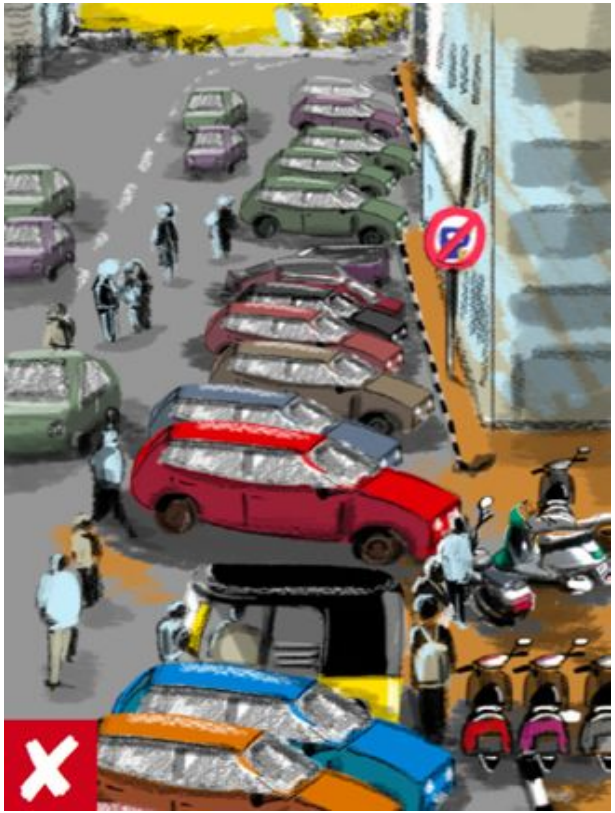
When parking on streets is charged & enforced:

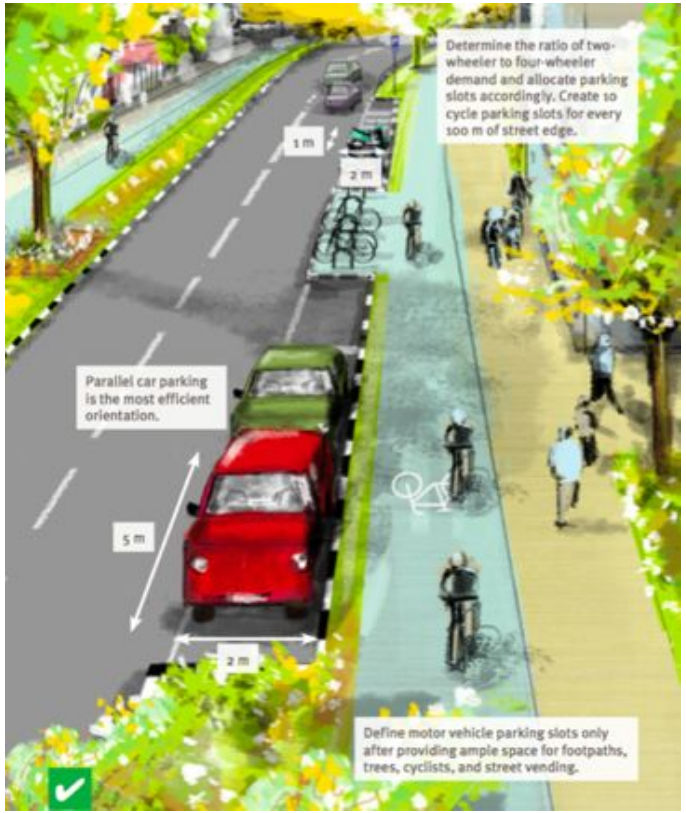
- MLCPs & parking lots are better utilised
- Long term parkers vacate prime parking on streets
- Short term parkers don't waste time finding parking

All of this even without any new public transport!



FIRST, Demarcate, Price & Control Parking on Streets





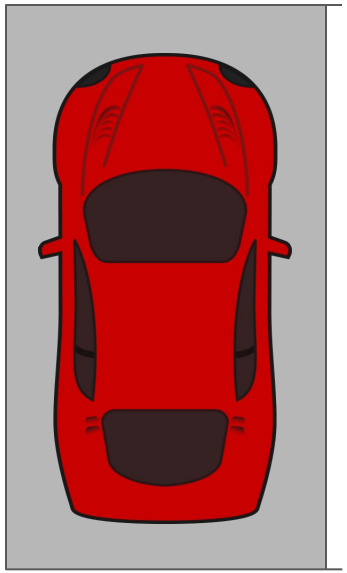
Government must build/subsidize parking

How Much Does Parking Cost?

Full market cost of ONE car parking in an MLCP

1 MONTH

Rs. 20800/month/car



250 sq ft
(including circulation space)

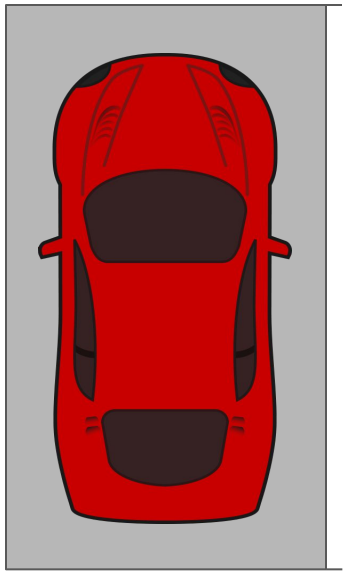
INR 5800 — OPERATIONS

INR 7500 — BUILDING

INR 7500 — LAND

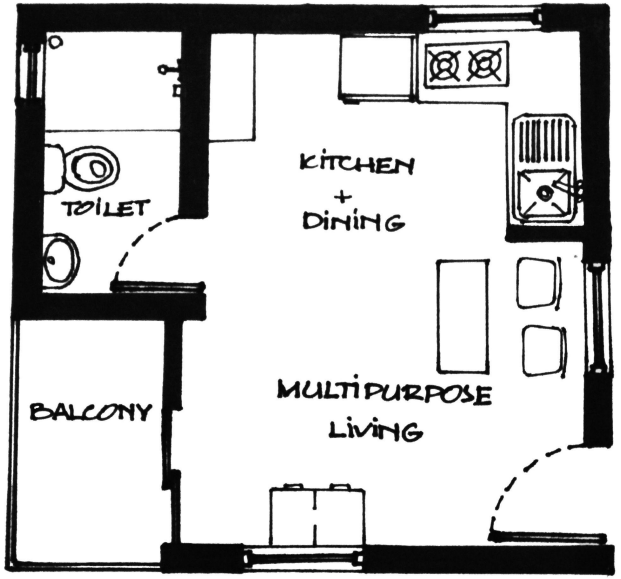
Options Before Us

ONE car parking spot?



250 sq ft
(including circulation space)

Home for a family of FOUR?



What is the goal of parking management?

Present Approach

Parking is made plentiful and cheap for everyone to park

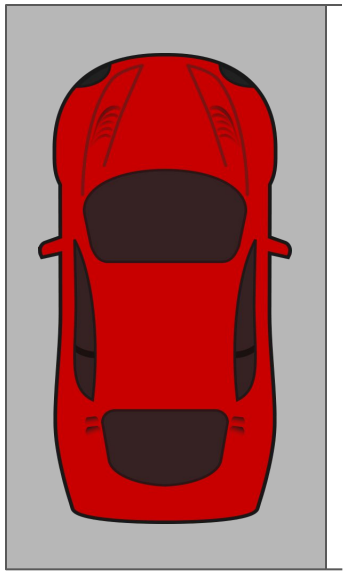
The Right Approach

Parking charges are raised gradually so that parking becomes a financially viable business

How Much Does Parking Cost?

Full market cost of ONE car parking in an MLCP

Rs. 58/hr/car



250 sq ft
(including circulation space)

INR 16 — **OPERATIONS**

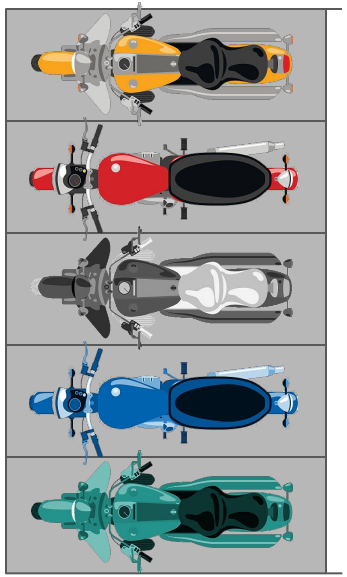
INR 21 — BUILDING

INR 21 — **LAND**

How Much Does Parking Cost?

Full market cost of ONE car parking in an MLCP

Rs. 12/hr/2W



5 x 50 sq ft
(including circulation space)

INR 3 — **OPERATIONS**

INR 4 — BUILDING

INR 4 — **LAND**

Easy parking will encourage the use of public transport

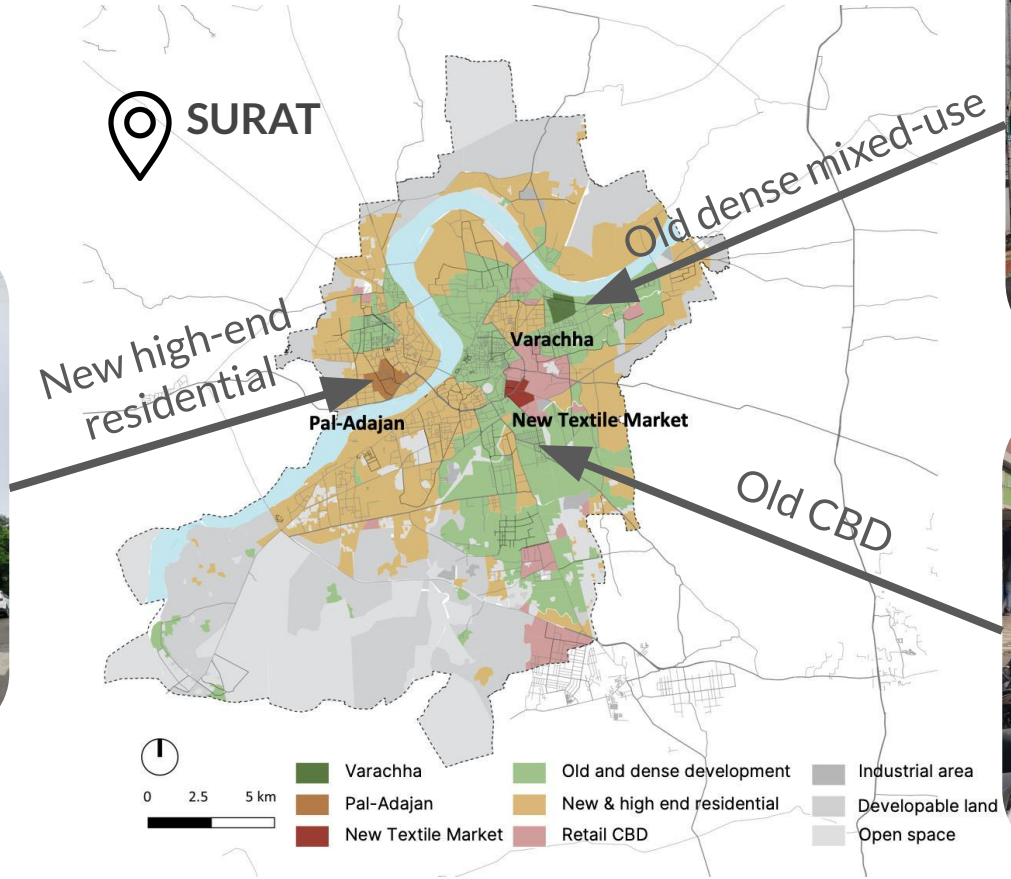
Options Before Us

Multi-level parking for 250 cars?

15 AC buses to serve 10000 people daily?

More Parking = More Private Vehicle Use >> ANTI-TOD

Parking Study | Area Typologies



Willingness to Pay

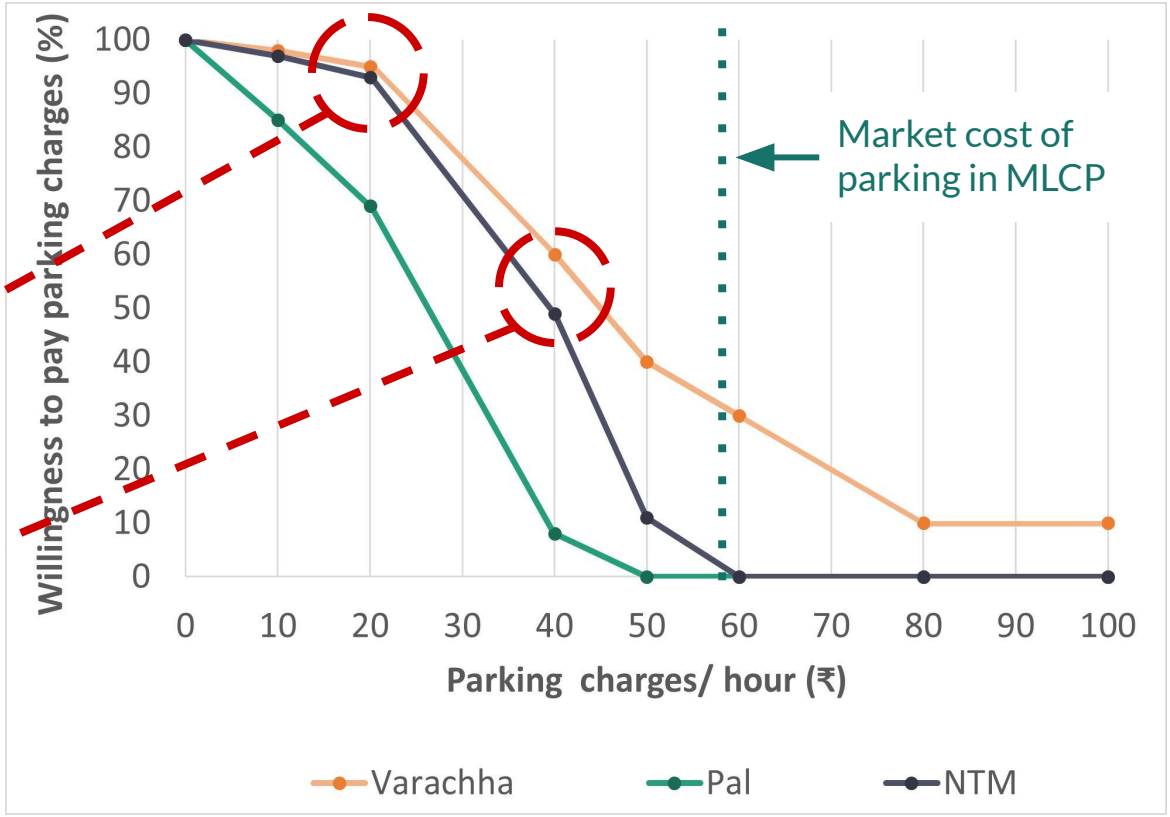
4-WHEELER

SHORT TERM

Areas with limited parking have high willingness to pay
(Varachha, NTM)

More than 90% willing to pay Rs.20/hr (2X of existing fee)
(Varachha, NTM)

Half are willing to pay Rs.40/hr
(Varachha, NTM)



Willingness to Pay

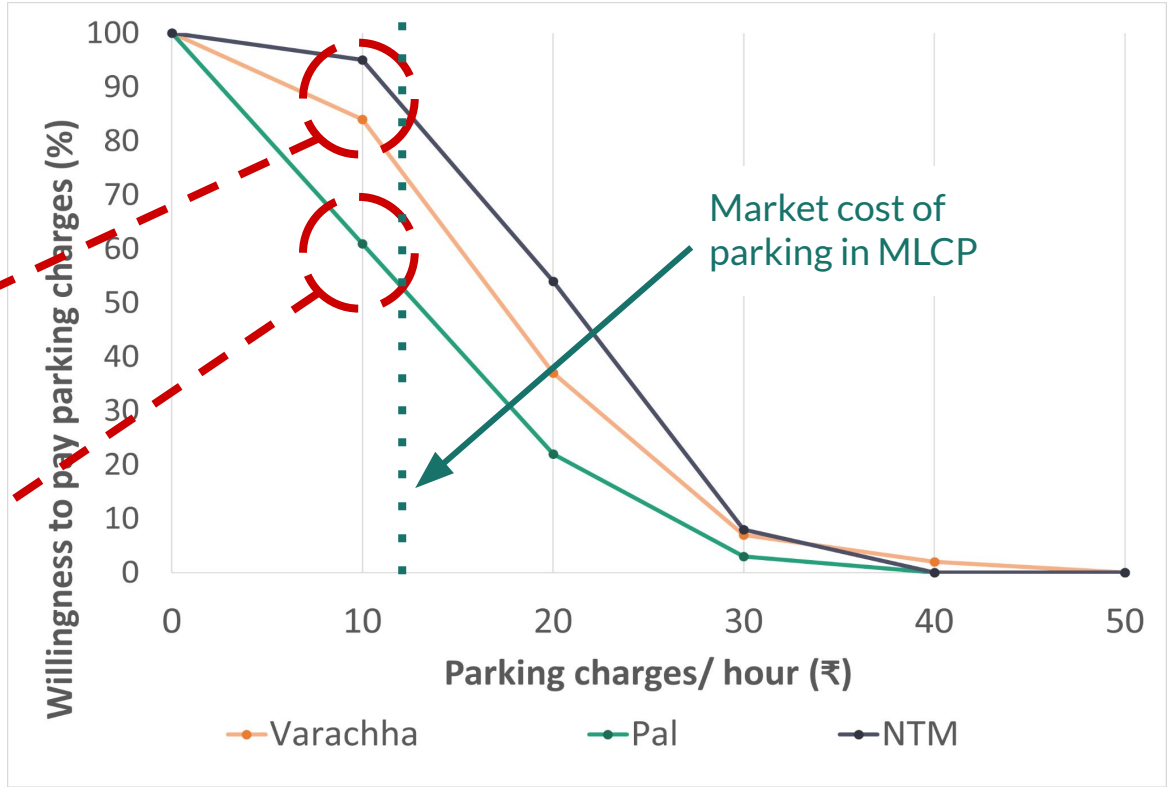
2-WHEELER

SHORT TERM

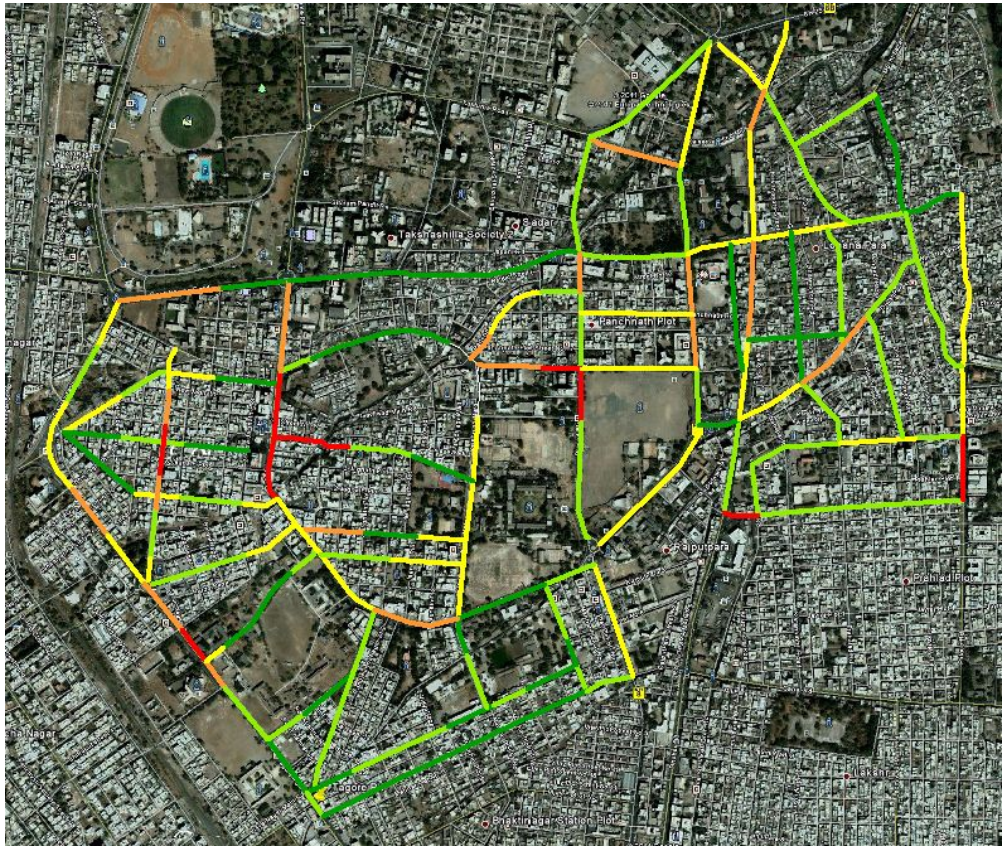
Areas with limited parking have high willingness to pay
(Varachha, NTM)

More than 80% willing to pay Rs.10/hr (2X of existing fee)
(Varachha, NTM)

Lower willingness to pay in areas with excess parking
(Pal-Adajan)



Price parking based on demand on each street section



40 rs/hr*

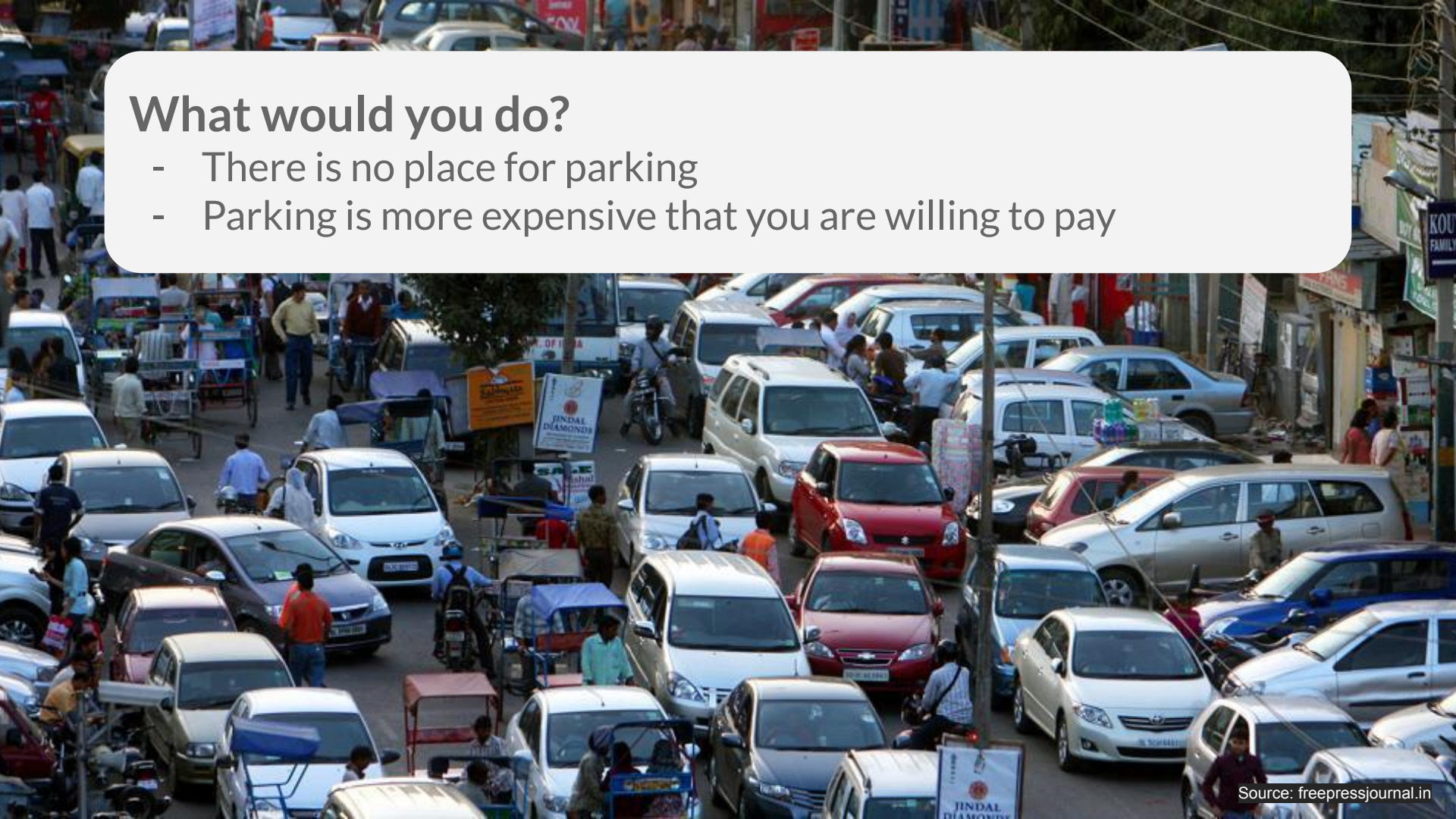
20 rs/hr*

Free!

parking_map by occupancy

150 to 300	(10)
100 to 150	(17)
60 to 100	(38)
30 to 60	(50)
0 to 30	(32)
all others	(2)

* Indicative starting price subject to revision

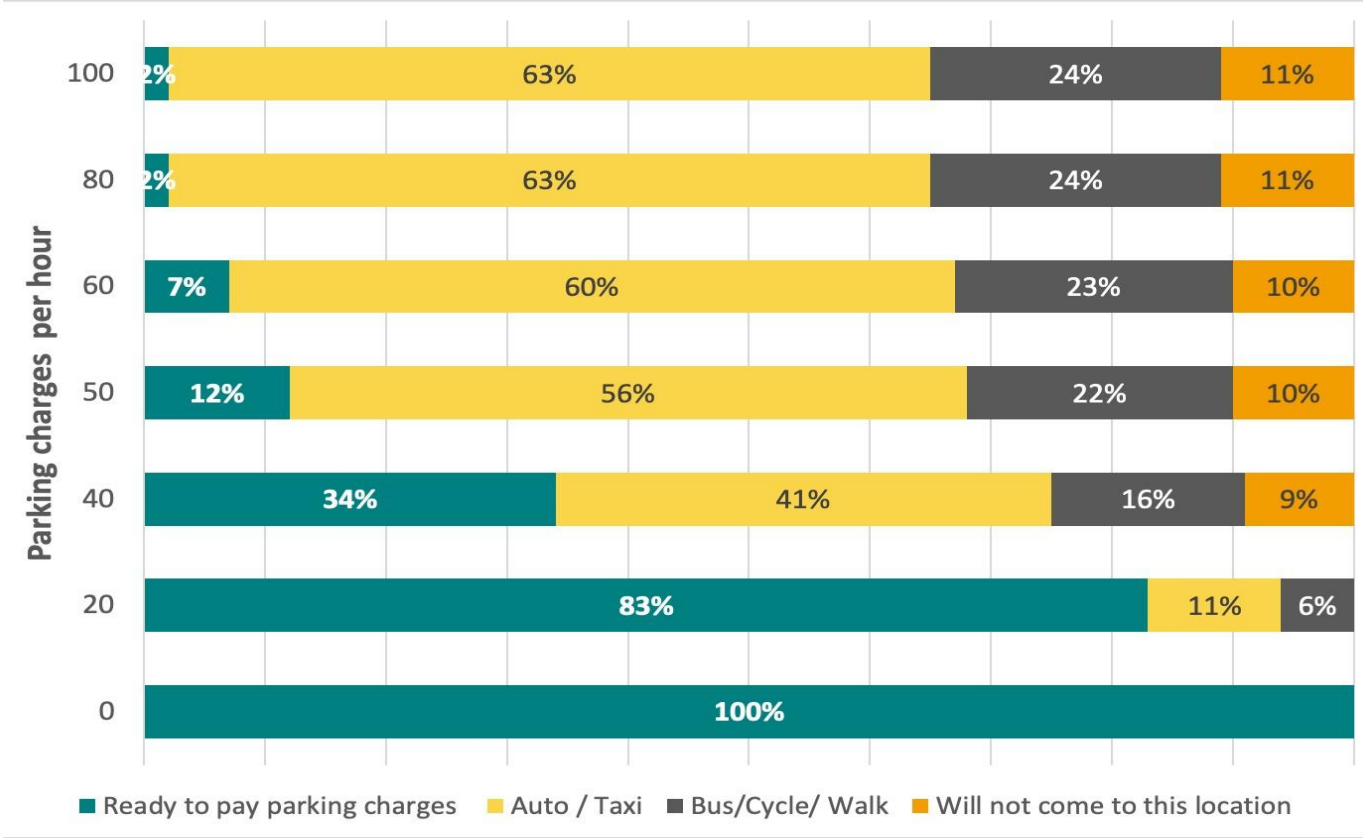


What would you do?

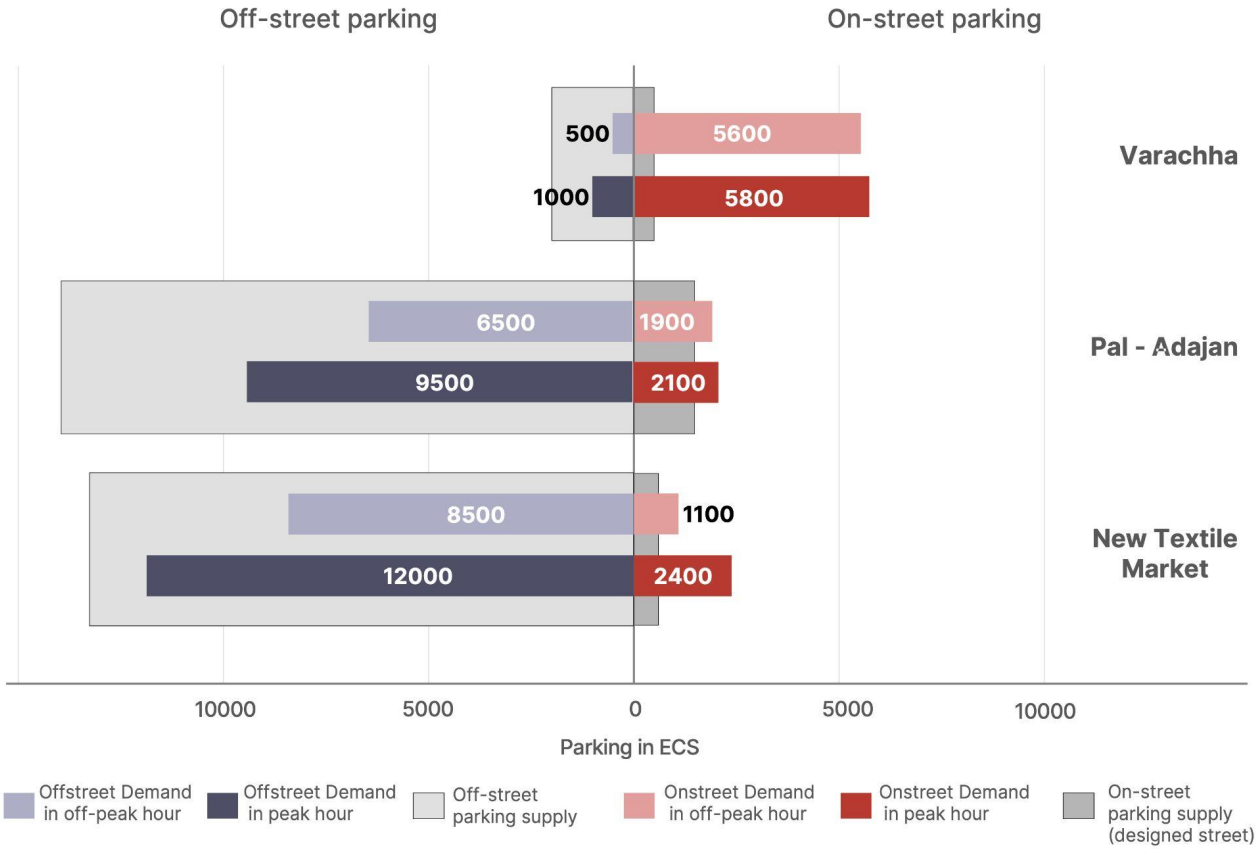
- There is no place for parking
- Parking is more expensive that you are willing to pay

Source: freepressjournal.in

Willingness to Shift to Alternatives

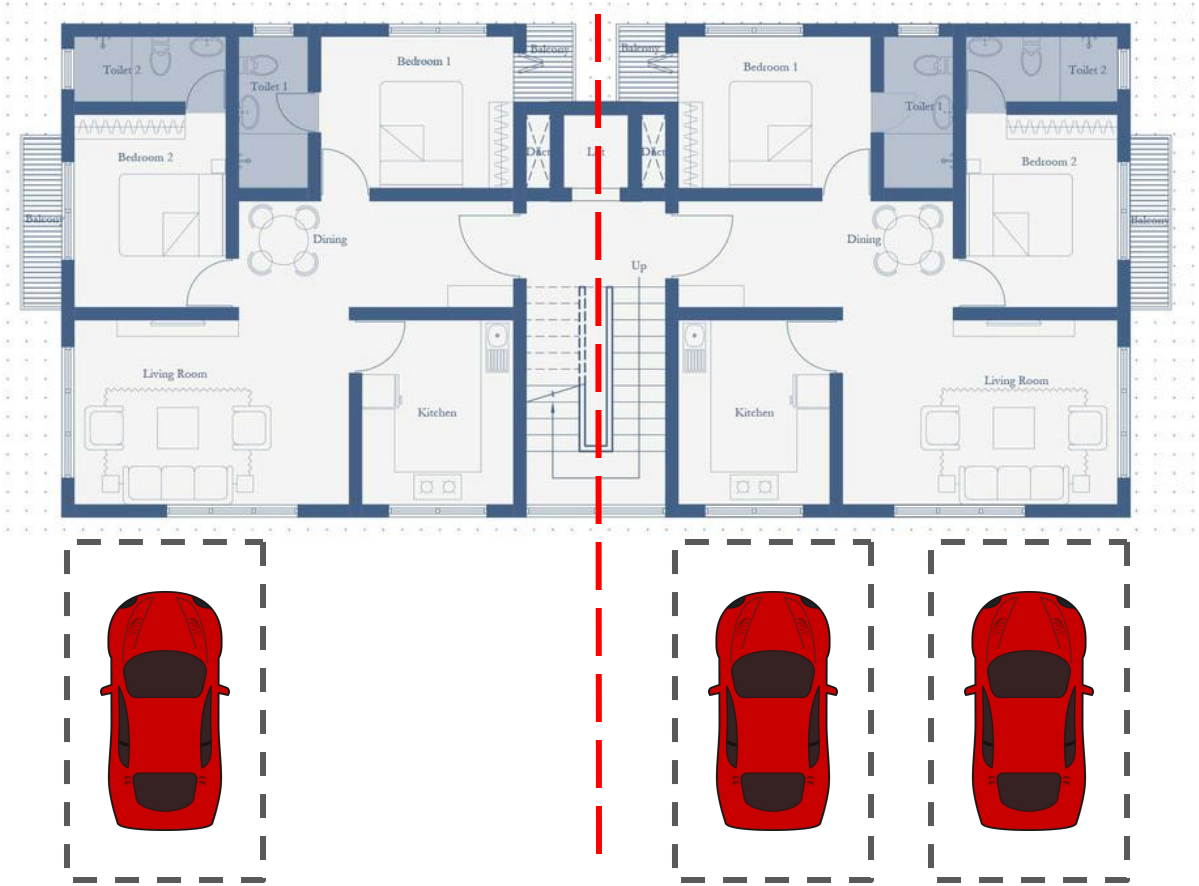


Parking Study | Demand & Supply

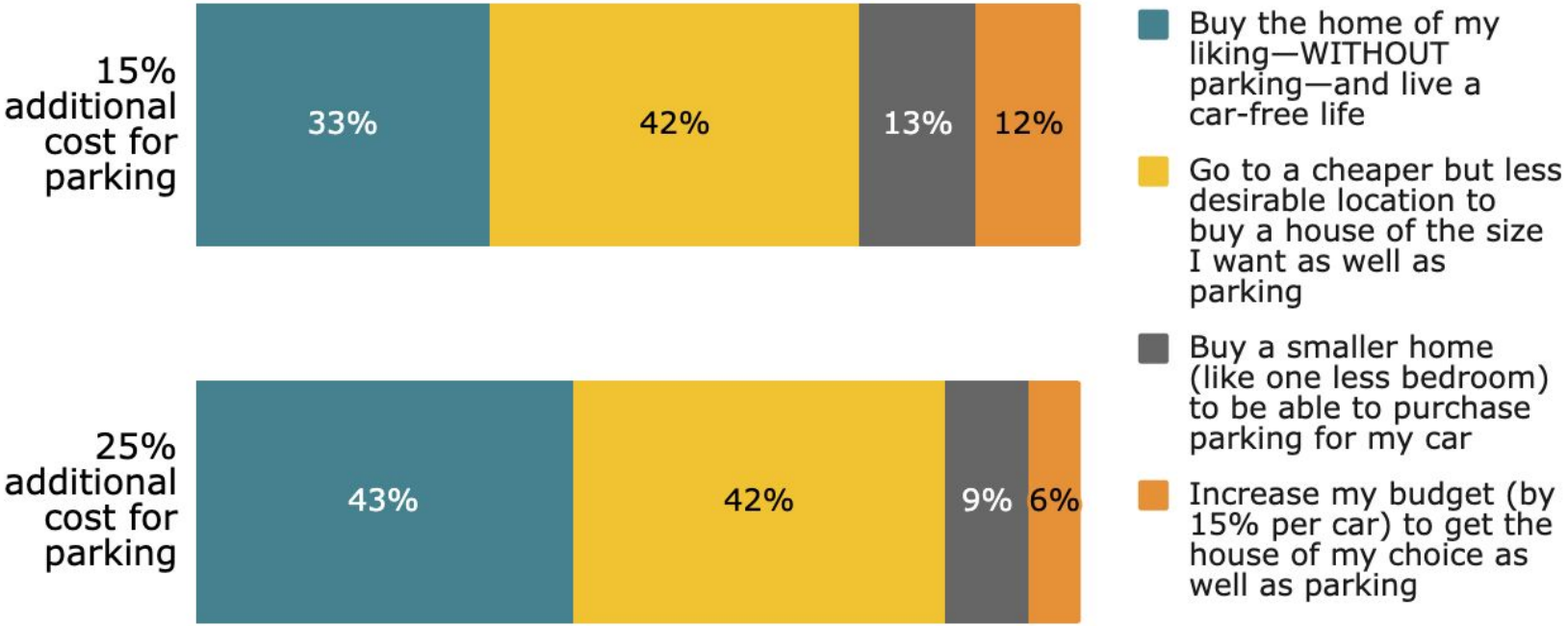


SURAT

The Tale of Two Apartments



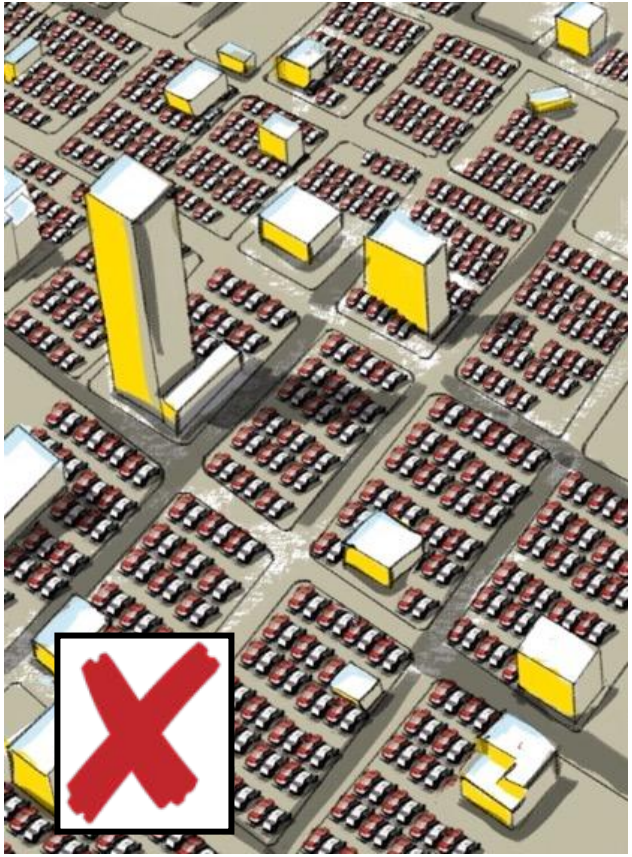
What if Parking was Sold Separately?



We cap FSI for living space but allow unlimited parking!

How about capping parking and allowing more space for living?

Let us create PARKS, not parking!



PARKING
DEMYSTIFIED

Shreya Gadepalli

Urban Works