

Commute Together - Boon or Bane ?

Prathyusha Melapindi¹ and Dr.M.Lakshmi²

*Computer science and engineering,
Sathyabama University Chennai, India
e-mail: prathyusha7394@gmail.com*

*Computer science and engineering
Sathyabama University Chennai, India
e-mail: laks@icadsindia.com*

Abstract

Commute Together is more environmental friendly and sustainable way to drive as sharing journey reduces carbon emissions, traffic congestion on the roadways, and reduce the need for parking spaces. Systems often encourage Commute together, especially throughout high pollution periods and high fuel prices. But today, people from different culture and region are migrated to major cities which rooted to the increase in population in cities which in turn increases the traffic so these are the main challenges to the commute. In this paper, we define and Clarify Boon and Bane in Commuting together.

Keywords: Commute Together, carbon emission, traffic congestion, greenhouse gas,

I. INTRODUCTION

Commute together is accepted because it reduces fuel cost, carbon emission, traffic congestion, public/private parking space. But commute together is always difficult in major cities due to different mentality of the people and security concerns, so the people who travel together feels unsafe by travelling with the alien companion or the driver.

The major bane for commuting together are the people considering rider as driver. Also, they think the people who travel with them will spoil the mode of the ride by having some habits like smoking/crunching snacks, talking on the phone and laughing louder which will spoil the mood of the rider.

Everyone who commute together will always insist the rider to attain their destination on time without considering the difficulty of driving in traffic, weather and the efficiency of the rider.

In this paper, we define commute together and distinguish the characteristics of boon and bane of commuting together. Then, we clarify and suggest areas for riders/passengers to focus, so that their efforts on commuting together are more likely to succeed. We end with related work and conclusion.

II. COMMUTE TOGETHER IS A BOON ? YES

The following are the advantages which prove that commuting together is a boon to the society.

A. *Commute together will save money*

Commute together allows you to share the cost of fuel and parking, reducing your operating cost by nearly 50% or more; the more occupant in your Commute together the more you save. Commute together is also socially economical. This not only saves the cost of fuel but also reduces the costs we all pay for the construction of new roads, road repairs and air contamination related health costs.

B. *Commute together is improved for the environment*

Having smaller number cars on the road means minimized Greenhouse Gas (GHG) discharge and better air quality.

C. *It's good for your health*

According to Environment Canada [World Weather Travellers Guide.com. Retrieved November 27 2011]., air smog cause by vehicular travel is associated with a number of health concerns including respiratory diseases, cardiovascular disease and neurological effects. By Commute together, you help reduce these health risks for everyone else. Research also suggests that Commute together is less worrying than commuting alone.

D. *Commute together is convenient*

Commute together provides commuting convenience compared to driving alone, with less pressure and with the added extra of companionship while commuting. While Commuting together, the partners establish their own distinctive rules that best meet up the needs of their Commute together.

E. *Commute together improves your commuting options*

Commute together offers a commuter choice that may work enhanced than other methods of transportation. Commute together works best for people who exist where travel service may be limited or non-existent when compared to other options, Commute together may improve fit your schedule.

We next look at the bane of commute together. This will help us clarify the bane regarding commute together.

III. *COMMUTE TOGETHER IS A BANE ? YES*

Since commuting together is a curse to the society and following are the disadvantages which will prove yes to bane

A. Commute together will degrade the Social status

Exactly from day one of our initial salary, we dream of a dwelling and a car. Once we own a car, we think of have a driver. We want to sit backside and be feel like a king. Sharing a journey means these people will lose their social status. They think like they are the driver and other are rider. That is the source why we think the majority of the managers in companies never ever think of Commute together.

B. Owners are Emotional attachment with car

We all know how much it takes to own a car. Once we purchase a car sometimes people don't even take off plastic cover from seats, so that it looks new. We often do not like if some stranger sits in the car. They often oppose if someone slam the door little hard or open the closed windows.

C. Riders/people are not on time

We people are often not punctual. Commute together means need to plan your actions in the morning itself. Commute together often fails for this reason. Instead of people waiting for somebody often, they have a preference to go alone.

D. Afraid of travelling with outsider in commute together

Countries like India it is frequent to be robbed or attacked when we give lift to stranger. With this mentality people oppose to go for commuting. People are still scared, especially for woman traveller, it is very hard to trust outsider unless he/she is their associate or close friends, most of the time car pool is restricted to a particular category of friends or companies.

E. Behaviour of co-passengers while commuting together

This is a big reason for the people to avoid Commuting together. It has been institute some time driver in Commuting together driving recklessly or he/she has not put on seat belt. Also, sometimes it happens from co-traveler, like someone is on call all the time in the car. Also, it has been noticed that a few people always try to lecture you,

how to drive a car. It may irritate some drivers. So in a nutshell for Commute together, we need some type of discipline for all the passengers. Some drivers also do not want to turn on A/C in car saying that destination is nearby (actually want to save money), this may bother fellow passengers.

F. No encouragement from Government for Commuting Together

This is an awfully disappointing in some countries that Government is not giving any special advantage or promotion for Commute together. In some countries there is a separate path and parking for Commute together. Countries like India, no state is contributing any help for Commute together. Except free tools and software, we have no inspiration for Commute together

We next look at the suggestions for changing commuting together a boon not a bane. This will help us suggest for promoting commuting together.

IV. HOW TO CHANGE COMMUTE TOGETHER TO A BOON ? NOT A BANE

We now propose the following steps by which commute together can be promoted and popularized.

A. Value a commute together schedule

The most important for the group of travelers is to maintain their scheduled time so that they can avoid the delay in reaching their destination and their companies also need to respect the timing schedules for the employees who commute together

B. Categorize the well-matched group of people for commuting

The group of people who are commuting together should not only have similar destination, but need to have similar personal preferences and organization schedules and there needs to be a coordination which needs to maintain the details of the people

who commute together with same frequency, driving skills, personal preferences with some constraints.

C. *Incorporate user safety while commuting together*

The group of people who commute together should provide the alternative contact details which can be notified to the alternative numbers so that in case of any emergency their parents and family get notified with name of the rider and contact details. Even the police department can be provided with the view only access to the commute together system which will ensure the safety.

D. *Government and Private organizations should encourage Commute together*

The commute together needs to be encouraged by the Government with special parking tag and allocating the separate parking space for the commute together. Government also need to encourage by creating public awareness by advertising in Televisions and Internet. Private organizations also need to provide a priority parking for the commute together groups.

E. *Standardizing the Price for the Commute.*

The commute together need to have a standardized way of pricing between the rider and commuting group based on the travelling distance. There needs to be a system which needs to be maintained by the government and private organisation which supports commuting together.

Below is the sample figure1 which explains perfect commute together concept

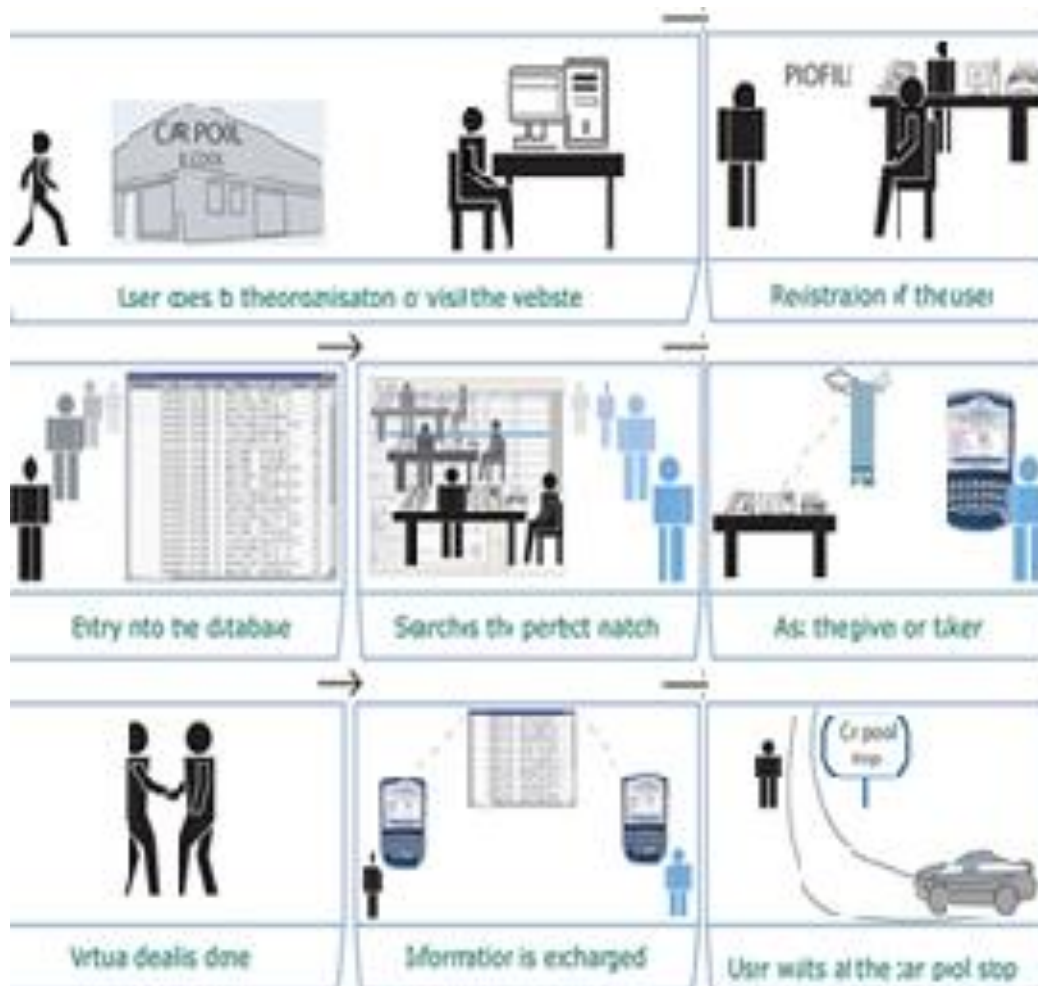


Figure 1. Car Pooling Process

A. Register for Car pooling

Both the ride giver and taker go to the website or app or organization to register there identify and the way they are travelling both source, destination and personal preferences with the valid licence and vehicle RC.

B. Alerting or communicating/Requesting

Based on the locations and personal preferences multiple mappings were done and alerted or communicated with the details of the Ride providers and Givers

C. Virtual Deal

Once both ride giver and takers agree on the time, source, destination, etc., and the virtual deal is signed.

D. Rider and Payment information is exchanged

The contact, source point, payment information and the information were shared between the giver and taker.

E. Car Pooling is posted

Once the information is exchanged, the travel date is confirmed and the ride provider and taker will avail the car pooling according to the schedule.

V. ACKNOWLEDGMENT

In this paper, we looked at the problems of commute together and distinguish the characteristics of boon and bane the commuting together. We defined both Boon and Bane of commuting together. Then, we clarified out its uniqueness and benefits for the commuters. We have designed an application for commuting together in more efficient and secured manner. We used it to suggest different ways of changing the commute together from bane to boon with suggested areas where government, organization and systems can focus so that their efforts on commute together are more likely to succeed.

VI. REFERENCES

- [1] Sabrina Tavernise and Robert Geneloff. Once Popular, Car Pools Go the Way of Hitchhiking. http://www.nytimes.com/2011/01/29/us/29carpool.html?_r=1&ref=carpools.
- [2] Wikipedia entry for Car pool: <http://en.wikipedia.org/wiki/Carpool>

- [3] Wikipedia entry for Ride sharing: http://en.wikipedia.org/wiki/Real-time_ridesharing.
- [4] Transportation Demand Management Encyclopedia entry on Ride Sharing: <http://www.vtpi.org/tdm/tdm34.htm>.
- [5] Megacarpool. <http://www.megacarpool.com/howwork.php>.
- [6] Portal: <http://www.commuterpage.com/carpool.htm>
- [7] "Mythologies, Metros & Future Urban Transport", Dinesh Mohan, TRIPP, Jan 2008
- [8] Ride sharing portal: <http://Rideinsync.com>..
- [9] Employee route scheduling portal: <http://Moveinsync.com>.

