1. CUSTOMER SEGMENT(S) Who is your customer? i.e. working parents of 0-5 y.o. kids Automobiles

6. CUSTOMER CONSTRAINTS

CC

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

Lack of knowledge,budget, no cash, network connection, lack of available devices.

5. AVAILABLE SOLUTIONS



Which solutions are available to the customers when they face the problem $% \left\{ 1,2,\ldots,n\right\} =0$

or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking

- Limited speed
- Follow rule and regulations
- Vahicles maintainence

2. JOBS-TO-BE-DONE / PROBLEMS



Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

- Geo fencing(for younger generation)
- Vehicle to vehicle communication
- Remote parking

9. PROBLEM ROOT CAUSE



What is the real reason that this problem exists? What is the back story behind the need to do

i.e. customers have to do it because of the change in regulations.

- High speed
- Lack of time management

7. BEHAVIOUR



What does your customer do to address the problem and get the job done?
i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

- Efficent
- Low cost
- High performance

3. TRIGGERS

Identify

strong

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Qο



What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.

- Excessive accidents
- Reading about a more efficient solution in the news

4. EMOTIONS: BEFORE / AFTER



How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

- > Time delay because of traffic and suffered a lot
- Time management and update and secure life.

10. YOUR SOLUTION



If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.

If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

- Our solution is based on IOT where we paln to use GPS tracking system with digital display and voice display
- > It is use to solve our required problem

8. CHANNELS of BEHAVIOUR



B.1 ONLIN

What kind of actions do customers take online? Extract online channels from #7

8.2 OFFLINE

What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

Online

> The program should be error free Offline

The apparatus we required should be affordable