**Project Title: Real -Time Communication System Powered by AI for Specially Abled. Project Design Phase-I** - **Solution Fit Template Team ID:**PNT2022TMID39516

**Focus on J&P, tap into BE, understand RC**

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

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

1. Voice prosthesis device,

Cochlear implant which overcomes the disability of hearing sounds ,screen braille communicator .

**AS**

**5. AVAILABLE SOLUTIONS**

Which solutions are available to the customers when they face the problem

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.

1. Assistive products maintain or improve an individual’s functioning and independent .
2. For eg.Hearing aids, wheelchairs, communication aids .

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

Who is your customer?

i.e. working parents of 0-5 y.o. kids

1. Who are all visually & hearing handicapped;suffering from locomotor disability; or suffering from mental retardation.

**Explore AS, differentiate**

**Define CS, fit into CC**

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)

1. Practice restraint and patience while dealing with those speech disabilities that’s how the customers have the confidence to address their problems.

**BE**

**7. BEHAVIOUR**

What does your customer do to address the problem and get the job done?

**RC**

**9. PROBLEM ROOT CAUSE**

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

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

1. Some disabilities affects how a person can communicate their message through speaking, pointing at pictures, writing, letter board or device.
2. Some disabilities affect both comprehension and expression and can range from mild severe.

**J&P**

**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.

1. Avoid jargon or long words that might be hard to understand.
2. Be prepared to use different communication tools which helps them to overcome the problem.

**Focus on J&P, tap into BE, understand RC**

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| --- | --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**  What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efﬁcient solution in the news.   1. Find commonalities 2. before thinking about differences. 3. Do not victimize people with disabilities. 4. Adjust posture to be eye-level. | **10. YOUR SOLUTION SL**  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.   1. There aredifferent solution are analyzing under this project. 2. finally the hand gesture and visualization analyzer used to overcomes the disabilities . | 1. **CHANNELS of BEHAVIOUR CH**     1. **ONLINE**   What kind of actions do customers take online? Extract online channels from #7   * 1. **OFFLINE**   What kind of actions do customers take ofﬂine? Extract ofﬂine channels from #7 and use them for customer development.  Online:  Learn some advanced hand gesturethings .Offline :  Learn how to communicate with peoples from neighbours. |  |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  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.  Before:  Reduce self-esteem, Negative self-image, Feeling isolation ,Depression.  After:  Feeling confidence while having normal conversion with all level people. |  |