

Problem-Solution fit canvas 2.0

Purpose / Vision

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) Who is your customer? i.e. working parents of 0-5 y.o. kids	6. CUSTOMER CONSTRAINTS 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.	5. AVAILABLE SOLUTIONS Which solutions are available to the customers when they face the problem 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	Explore AS, differentiate
	riverscences segmentation local binary pattern ,hirevariance,surface reflection, hand-designed image description	pollution can lower the PH of the water,affecting all organisms from algae to vertebrates .biodiversity decreaseswith decreases ph.	wastewater treatment function properly , regular maintenance of equipment is required.	
Focus on J&P, tap into BE, understand RC	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.	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.	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 benefit; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)	Focus on J&P, tap into BE, understand RC
	these include consideration of the multi-dimensionality of the problem ,promotion of the efficientuseof water encouraged of resourse systems,and applications.	climate changes diseases human settlements corruption	donot throw any solid waste into the water streams as it clogs the flow of water there by leading to pollution .	
Identify strong TR & EM	3. TRIGGERS What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.	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.	8. CHANNELS of BEHAVIOUR 8.1 ONLINE What kind of actions do customers take online? Extract online channels from #7 industrial,farming ,mining,and forestry, activities also significantly affect the quality of rivers,lakes,ground water.	Extract online & offline CH of BE
	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.	control firm contaminations by applying migigation tools. point source discharges or farm effluent.	8.2 OFFLINE What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development. USGS collected samples from streams across the nation and analyze for chemical,physical,and biological propeties of warer ,and tissues.	



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