



Final Year Project Showcase for Batch-2015

	Department of Architecture & Planning				
		Architecture Programme			
		<u>TITLE</u> : "Embracing Flexibility in Architecture-as a response to fluctuating needs of humans"			
1	Project Idea	a. Prototype of Hawker's Cart cum Shelter [design of 1 st and 2 nd space (i.e) work + shelter= Home]			
		 b. Design of 3rd space an informal bazaar (Sunday bazaar) of our city. 			
		a. Embracing (holding) flexibility in hawker's cart to get transformed into a shelter at night for the homeless hawkers especially coming from village for earning.			
2	Process	b. Embracing passive flexibility in Informal Bazaar in a setup of transient space-a system of temporal occupation, 3 rd space organized by community which host multifunctional entities as social and communal space more holistically under one roof.			
3	Outcome	 a. Homeless hawkers require place to sleep and they are forced to sleep on street without privacy and security. Architect tends to innovate to provide solutions for problems, so I have design a cart which also serves the function of a shelter and because of this flexibility the structure would not be remain static but will be in motion throughout the day with the owner an efficient solution to lower our ecological footprint. b. Through adaptability making use of the space 			
		otherwise left un-programmed to encourage social interaction between the people of that community.			
4	Evidences (Theoretical Basis)	Flexibility in architecture is the result of our obscurity about the future. This architecture lean down to change rather than resisting it, because of its attributes and essence, this design form is cross-disciplinary and multifunctional. By fabricating the architecture on the principles of flexibility, the architects and engineers are paying respect to nature by providing efficient solutions to minimize the ecological footprint of the built environment. Benefits of flexibility in architecture are considerable, it increases the functional life of a building, fits its purpose better, accommodate users. People require architecture, but architecture also requires people, since a building has no purpose unless people use it. The things			







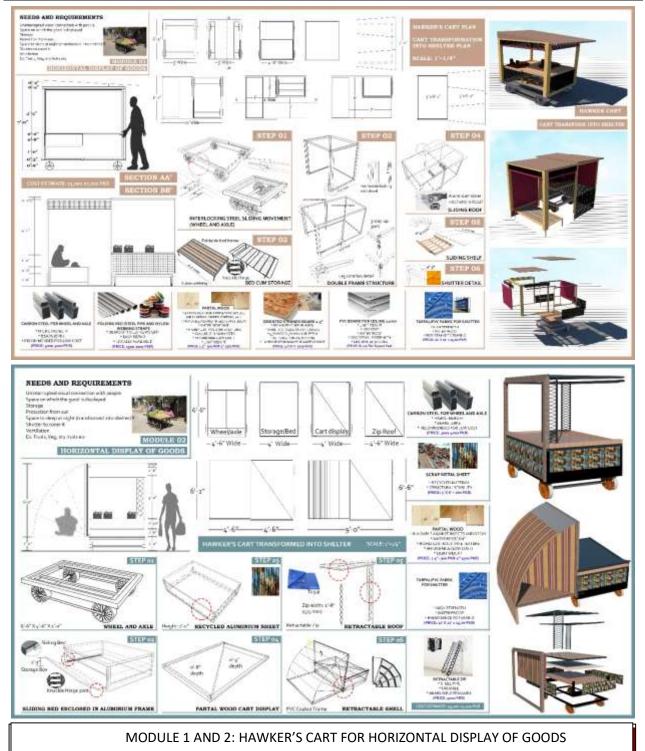


	or cost reduction, efficiency improvement of whole process (e.g. What is issue is current process and what improvement you suggests)	 The prototype of Cart cum Shelter hosts dual functions. Instead of creating another structure for shelter Carts could be designed to fulfill both the functions efficiently. This approach of active flexibility deals with reduce, reuse and recycle or resources in Architecture. b. The hawkers in the area of Gulistan e Johar occupies the street and are the main triggers of environmental pollution and traffic issues. I have designed an adaptable space on an empty plot acting as a black hole with in a city. Interactive design approach is a solution to breathe life into dead spaces. The 3rd space (informal bazaar) would hosts market stalls, food hawkers, vehicular hawkers, pottery maker and parking holistically under one roof. This passive flexibility also serves as a tool for solving and promoting social capacity of a society and sustainability of a physical environment, increases lifespan of location, spaces.
c	Attainment of any SDG (e.g. How it is achieved and why it is necessary for the region)	What we perceive is that every function requires a particular separate piece of architecture. By temporary we means disposable but this idea of temporary architecture is not true. Cart cum Shelter proves that every function do not require a separate architecture but by embracing flexibility we are able to reduce ecological footprint- an ecological approach designed to be recycled, affordable as adaptable to change, is aesthetically defined and sensitive to social conditions.
d	Expanding of Market share (e.g. how it expand and what is problem with current market	Currently the market is not working on the innovative ideas and barely thinking for lower and middle income group which is the major part of our society as the % of informal economy is greater than the % of formal economy in our country.
e	Capture new market (e.g. Niche market or unaddressed segment)	The more practical, functional and aesthetically pleasing the design of the product is the more successful and demanding the product will be in the market. It will create a room for innovation and more experimental aspects of the product will asks for improvement in the future design of this prototype.
f	Any Environmental Aspect (e.g. carbon reduction, energy efficient etc.)	The materials selected are recycled, locally available, low cost and weather proof material with a life span of 25 years. Energy efficient design as the transformation of cart into shelter will not require energy and will be done manually.
g	Any Other Aspect	Assembling and disassembling of the structure is easy due to dry construction techniques and the materials after disassembling will be utilized for the another purpose and is recyclable.



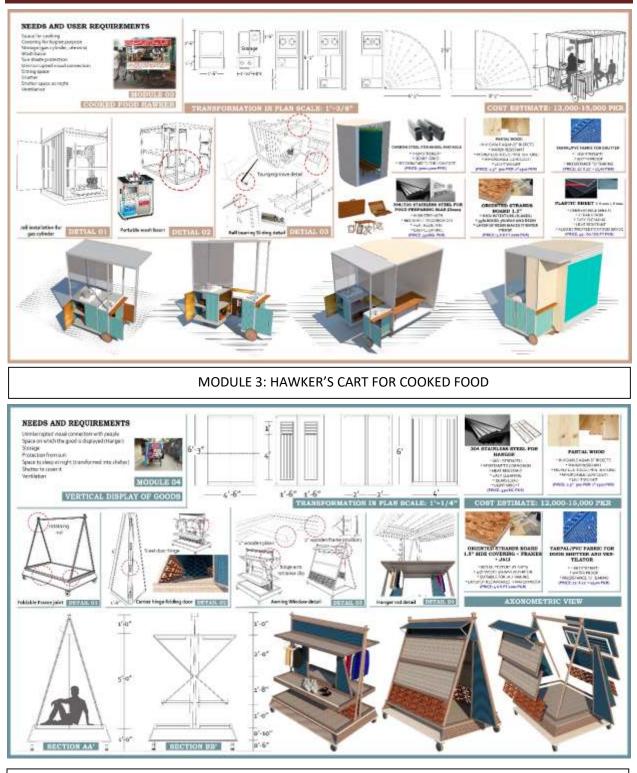


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8	Pictures	







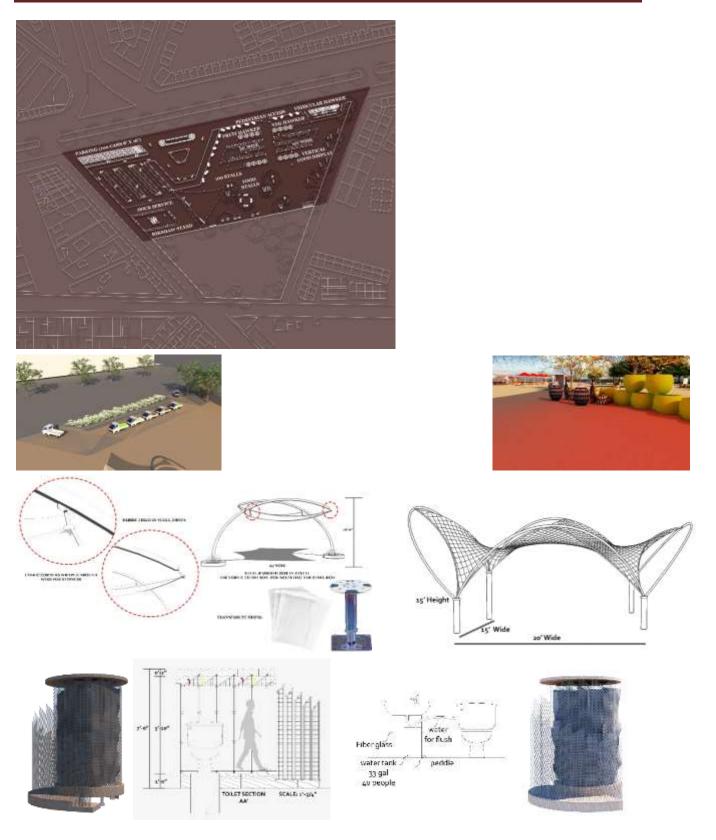


MODULE 4: HAWKER'S CART FOR VERTICAL DISPLAY OF GOODS

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