



Final Year Project Showcase for Batch-2016

Department of Architecture & Planning Development Studies Programme		
1	Project Idea	Half of the municipal waste in Karachi does not reach the dumping site and becomes part of the city's environment. This happens due to the micro level miss-management involving sweepers and the domestic help (maids etc.) who dump the waste at designated sites for their convenience.
2	Process	The project will be implemented by inviting entrepreneurs to establish waste collection in an area as a pilot project. The entrepreneurs will then train the house maids, sweepers and house-hold members to manage and sort the waste initially at the micro-level to address the issue of residual waste.
3	Outcome	An entrepreneurial venture for waste collection and recycling of the area, by involving maids and other domestic help.
4	Evidences (Theoretical Basis)	The success of macro level solid waste management systems depends on the micro-level actors at household and neighborhood levels.
5	Competitive Advantage or Unique Selling Proposition (Cost Reduction, Process improvement, Attainment of any SDG (Sustainable Development Goal), increase of market share or capturing new market or having superior performance over competitor. In summary, any striking aspect of the project which compels industry to invest in FYP or purchase it. Some detail description is required in terms of how, why when what. You can select one or more from following dropdown and delete rest of them)	
a	Cost reduction of existing Product	The project will reduce the cost of operation for the government agencies.
b	Process Improvement which leads to superior product or cost reduction, efficiency improvement of whole process (e.g. What is issue is current process and what improvement you suggests)	The project will improve the efficiency of solid waste management on micro level.
c	Attainment of any SDG (e.g. How it is achieved and why it is necessary for the region)	SDG 3 – Good health and wellbeing.
d	Expanding of Market share (e.g. how it expand and what is problem with current market)	Currently, government owned SSWMB is the only provider of service in the city, so this project will open up possibilities of public-private partnership.
e	Capture new market (e.g. Niche market or unaddressed segment)	Solid waste management at the micro level is a relatively un-explored market in the formal sector, and has a lot of potential in terms of economic returns and environmental improvement.



f	Any Environmental Aspect (e.g. carbon reduction, energy efficient etc.)	The project will lead to better environmental indicators with respect to the solid waste management.
6	Team Members (Names & Roll No.)	Unaiza Shoaib (01), Maria Ashraf(10), Amna Tariq(21), Mahnoor Anwer(19), Hadi Ul Hasan(29).
7	Supervisor Name	Dr. Saeed Ud Din Ahmed (architectsaeed@yahoo.com) Mansoor Raza (mansooraza@gmail.com)