



## Final Year Project Showcase for Batch-2016

<b>Department of Architecture &amp; Planning</b> <b>Development Studies Programme</b>		
<b>1</b>	<b>Project Idea</b>	To initiate a sea mass transit system all along the coastal belt for better connectivity of islands for development
<b>2</b>	<b>Process</b>	The project consists of an extensive sea transit system that connects different islands, coastal belt with mainland. Initially 26 stops are targeted to increase the movement of people and provide convenient alternative for road transportation as there is quite pressure on Karachi roads. For this purpose 4 routes are designed which connect all the islands and creek areas altogether. These routes will cover the area from Sonehri Beach to Port Qasim through sea in which many stops are included
<b>3</b>	<b>Outcome</b>	This project will also help in reduction of commuting time, cost and effort
<b>4</b>	<b>Evidences (Theoretical Basis)</b>	Center vs. periphery theory: the islands can be considered as periphery and mainland can be considered as center. Islands lie on less distance from the mainland still it can be considered as the periphery (not in terms of distance but in terms of isolation) because they are neglected from political, social & administrative support. Center dominates on its periphery and all the diffusion of amenities lie in center which is translated into an unequal exchange & imbalance of interactions between center (mainland) and the periphery (islands).
<b>5</b>	<b>Competitive Advantage or Unique Selling Proposition</b> (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)	
<b>a</b>	<b>Process Improvement which leads to superior product or cost reduction, efficiency improvement of whole process</b> (e.g. What is issue is current process and what improvement you suggests)	Baba and Bhit Island lies on less distance on mainland as compare to any other peripheral area of Karachi but the islanders are deprived of basic necessities and have faced connectivity issue for access the things so to overcome that connectivity issue a project of sea-transit system is designed. The project consists of an extensive sea transit system that connects different islands, coastal belt with mainland. The inhabited islands are deprived of basic facilities; through improved quality boats and a sea transit the islanders accessibility to mainland will increase that will result in development of islands. But few issues like lack of emergency facilities, solid waste etc. will remain unsolved. So to resolve these issues service boats like Ambulance



		service, Water tank boat service & Solid waste collection boat service should be started to further resolve the issues of islanders.
<b>b</b>	<b>Attainment of any SDG</b> (e.g. How it is achieved and why it is necessary for the region)	<b>SDG One: Zero Poverty</b> The project consists of an extensive sea transit system that connects different islands, coastal belt with mainland. Initially 26 stops are targeted to increase the movement of people and provide convenient alternative for road transportation as there is quite pressure on Karachi roads. For this purpose 4 routes are designed which connect all the islands and creek areas altogether. These routes will cover the area from Sonehri Beach to Port Qasim through sea in which many stops are included. This project will also help in reduction of commuting time, cost and effort. It is necessary because According to Dawn, it is estimated that around 10 million people of Karachi visit beaches annually, so this means transportation will improve the economic conditions. Connection of different islands improves the movement and interaction of locals as well as outsiders. This project will increase the visibility of inhabited islands so their issues like health, education etc. will be solved. This project will result in reducing poverty and inequality in islands, and provide islanders an access to education, employment and business opportunities.
<b>c</b>	<b>Expanding of Market share</b> (e.g. how it expand and what is problem with current market)	This sea-transit system is a hidden market no investors are available only local are manage at their end but after proposing this project many investors investing and take it as business opportunities and this market will start to explore.
<b>d</b>	<b>Capture new market</b> (e.g. Niche market or unaddressed segment)	It is expected that investors will take the project seriously and will address their connectivity issue.
<b>e</b>	<b>Any Environmental Aspect</b> (e.g. carbon reduction, energy efficient etc.)	Sea transit system will reduce the traffic congestion in roads of mainland as people would prefer ferry service in which they can travel fast and easily to their preferred destinations. The travel fuel consumption and associated greenhouse gas emissions of boats is very much lesser than cars so it is environmental friendly
<b>7</b>	<b>Team Members</b> (Names & Roll No.)	Nimra Bajwa (DS-005), Nimra Khilji (DS-017) Mohsin Shahid (DS-022), Ali Ahmed (DS-031) Hunain Khan (DS-025)
<b>8</b>	<b>Supervisor Name</b>	Dr. Saeed Ud Din Ahmed ( <a href="mailto:architectsaheed@yahoo.com">architectsaheed@yahoo.com</a> )