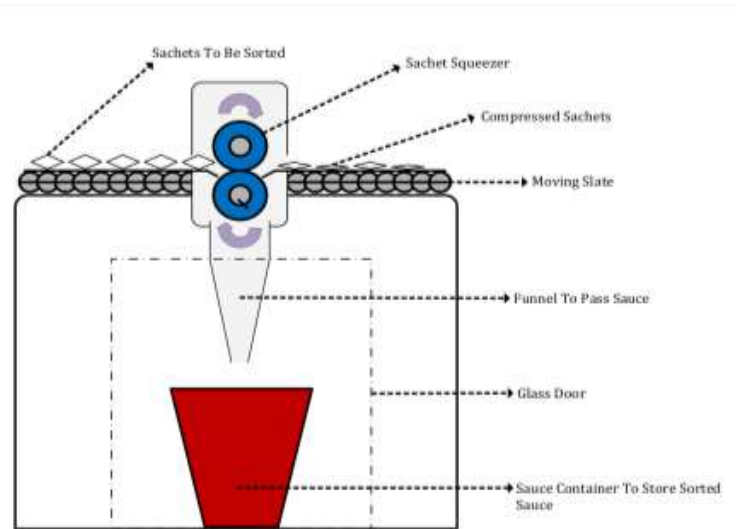




Final Year Project Showcase Batch-2017 Year 2021

Department: Economics and Management Sciences	
Programme: Management Sciences	
1	Project Idea
Supply Chain Waste Analysis of FMCG Industries: A Case Study Of ITT Foods Limited (Focus on Sauce Manufacturing Industries)	
2	Process
Onsite Observations/Interviews/ Mass and volumetric measurement of waste leading to Qualitative and Quantitative results	
3	Outcome
<ul style="list-style-type: none"> ➤ Designed Framework ➤ Designed Improved Layout ➤ Implementation of 2 Lean Six Sigma Tools ➤ Cost Reduction ➤ Improved Productivity 	
4	Evidence (Theoretical Basis)
<ul style="list-style-type: none"> ➤ Lean Wastages (Muda) ➤ 5S ➤ Poka Yoke 	
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 a competitor. In summary, any striking aspect of the project that compels the industry to invest in FYP or purchase it. Some detailed description is required in terms of how, why when what. You can select one or more from the following dropdown and delete the rest of them). Please keep relevant options, delete the rest of them, and correct the sequence
a	Cost Reduction of Existing Product
53% improvement rate was recorded in terms of cost reduction.	
b	Process Improvement which Leads to Superior Product or Cost Reduction, Efficiency Improvement of the Whole Process (e.g. What is the issue is current process and what improvement you suggests)
A certain amount of waste was recorded in the manufacturing and packaging department of the company which was due to the flaws in existing layout of area and some steps not being carried out according to the standards. Lean Six Sigma techniques of Poka Yoke and 5S were put into implementation to contribute in the reduction of waste by putting into action the philosophies of each S of 5S technique separately and the measure of Poka Yoke in order to reduce human and machine error.	
c	Attainment of any SDG (e.g. How it is achieved and why it is necessary for the region)
SDG#8, Decent Work & Economic Growth; SDG#12, Responsible Consumption & Production; SDG#13, Climate Action Through this project, UNDP standard attained. As the amount of waste generated is reduced, the indirect effect on environmental pollution, caused by dumping of that waste, is reduced and ultimately the core resources are utilized. The project also contributed in following two goals as well; <ul style="list-style-type: none"> ➤ Assesment and Management ➤ Labour and Working Condition 	
d	Any Environmental Aspect (e.g. carbon reduction, energy-efficient, etc.)
Waste reduction leading to less environmental pollution	

6	Target Market (Industries, Groups, Individuals, Families, Students, etc) Please provide some detail about the end-user of the product, process, or service	Targetting Sauce Industries majorly. The methods of 5S and Poke Yoke implementation can be adopted by other FMCG industries as well.
7	Team Members (Names & Roll No.)	Ariba Muzaffar (MG-17005) Shamaim Islam (MG-17028) Wadiya Uzair (MG-17034) Abdul Moiz Shahid (MG-17059) Areeb Kazmi (MG-17060)
8	Supervisor Name	Prof. Dr. Raza Ali Khan
9	Supervisor Email Address	rakhan@neduet.edu.pk
10	Pictures (If any)	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;">  </div> <div style="text-align: center; margin-top: 20px;">  <p style="text-align: center;">Designed Sachet Sorting Machine</p> </div>
11	Video (If any)	 video fyp.mp4