



Final Year Project Showcase Batch-2017 Year 2021

Department: Computer & Information Systems Engineering		Programme: Computer & Information Systems Engineering	
1	Project Idea	Performing digital transformation of resources planning for textile industry 4.0	
2	Process	Automation of quality department with complete design & development from scratch	
3	Outcome	Data Model and Prediction System	
4	Evidence (Theoretical Basis)	Model has been demonstrated to the relevant industry	
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	Automated quality assurance practices serving around 8000 + garments everyday cost of 8-10 quality auditors enhanced efficiency with prices analytics.	
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)	We allowed the textile industry to feed their regular quality data in our system in order to achieve end to end traceability which featured, analytics & smart production processes, depending on their current deficits & lacking.	
c	Attainment of any SDG (e.g. How it is achieved and why it is necessary for the region)	SDG#9 , Industry, Innovation and Infrastructure Lack of local data sets and data models makes it necessary to develop local solutions SDG#12 , Responsible Consumption and Production (1)Smart assurance procedures resulting in less wastage & improved quality. (2)By optimizing supply chain issues, energy consumption and waste generation is minimized	
d	Capture New Market	Textile Supply chain management and prediction	
g	Any Other Aspect	Reduction of manual labor, maximum efficiency in minimum time frame.	
6	Target Market (Industries, Groups, Individuals, etc) Please provide some detail about the end-user of the product, process, or service	Textile Industry	
7	Team Members (Names & Roll No.)	Muhammad Behroze Jawaid CS-17057 Tuba Shaukat CS-17062, Sadia CS-17053, Areeba Iftikhar CS-17095	
8	Supervisor Name	Prof. Dr. Syed Abbas Ali	



9	Supervisor Email Address	saaj@neduet.edu.pk
10	Pictures (If any)	N/A
11	Video (If any)	N/A