

## Waste Wrapper Fabric (WWF)

Fabric Manufacturing Laboratory of NED University in supervision of Prof. Dr. Bilal Zahid has turned the waste wrappers of edible items into beautiful handbags and curtains. The raw material used to make following items are collected as waste. Hence the whole product is sustainable.

The research is in line with the theme of the UNESCO Chair established at NED University of Engineering & Technology *“Sustainable Urban Regions”* & *“SDG-11, Sustainable Cities & Communities”*.

It is one of the rare methodologies that is going in the world and a very few countries has adopted it to convert the waste wrappers into usable items. Since this methodology relies on manpower, a reasonable manpower across the country can be engaged to promote the cottage industry which can be a cause to achieve *“SDG#8, Decent Work & Economic Growth”*.

Corporate Sectors; Industries; organizations; and upper-class individuals who have concern to protect the environment specially earth lovers can use such sustainable products as decoration items, mementos, personal items, office items and many more.

Wrappers are the byproduct of FMCG industry and have posed the toughest challenge around the world to attain *“SDG#13, Climate Action”*, *“SDG#14, Life Below Water”* and *“SDG#15, Life on Land”*.



Further research has been in progress to convert wrappers into more sustainable products. Interested stakeholders can contact with Prof. Dr. Bilal Zahid ([drbilalzahid@neduet.edu.pk](mailto:drbilalzahid@neduet.edu.pk)) for further cooperation.

