

Bapuji Institute of Engineering and Technology, Davangere
Department of Textile Technology

GREEN MEASURES

UG Projects from WASTE TO WEALTH

1. Production of Yarn from Bagasse (By product of Sugar Cane Industry)

Bagasse is the byproduct of Sugar cane Industry. It is a waste and need not be disposed. This waste can be converted to fibre stage using chemicals. This fibre can be blended with cotton because cotton is a known fibre.

Experiment has been conducted using Cotton/Bagasse blend using the ratio of 90/10,80/20 and 70/30. Yarns are spun from this blend and properties are tested. Test results are found idea and they within the desired level.

2. Production of Yarn and garments from Aracaunut fiber.

The coats of aracaunut are given chemical treatment to increase their adhesiveness with cotton. These fibers are blended with cotton and Yarn are produced. Finally T-Shirts are also knitted.

3. Development of Overcoat for Mobile Charging using Solar Energy.

An Overcoat is Produced in such a way that one charger is kept inside the coat and mobile can charged during walking using solar energy. This project was sponsored by Karnataka State for Science and Technology (KSCST), Bangalore.

4.Design of Natural Fibre Extracting Machine. This machine has been develop[ed to extract natural fibres and also cut the fibre to required length.

This project was also sponsored from KSCST Bangalore.

5 Plantation of trees in the department by faculty and students

6. Students are strictly advised to utilize mobile to minimum extent to prevent health hazards in the later stage.

BIET Davangere

Department of Textile Technology

Plantation on the occasion of Environmental day on 5th June.2020

Director, Principal, Faculty and Students of Textile Department



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