

GRG TRUST RESEARCH PROJECT

CONVERSION OF BAGASSE FIBRE INTO NON WOVEN DISPOSABLE MEDICAL TEXTILES

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Amount Sanctioned:Rs. 60,000/-

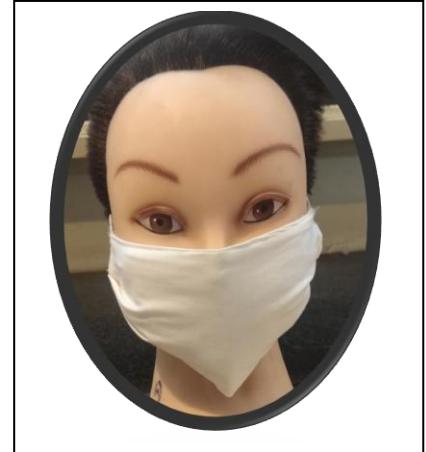
Year: 2019

Project outcomes:

- In todays senerio medical textile is one of the most rapidly expanding Sector in textile field. Textile market is totally saturated with nonwoven Products because of their easily modifiable properties.
- In this project we decided to convert bagasse fibre into nonwoven product due to its eco friendly resources suitable for various applications.
- Bagasse fibre was blended with cotton and viscose fibres in various ratios and four types of nonwoven fabrics were made.
- Nonwoven fabric were treated with various herbs to increase the anti microbial and anti bacterial activities.
- Treated nonwoven fabric was tested for its Physical,chemical properties and anti microbial activities.
- Finally we produced a nonwoven disposable Masks and soles which can be used in medical field.
- Our product (non woven laps) can be used for various applications of medical textiles which includes bandages, napkins, pillow stuffings, surgical caps, gloves, bed quilts etc.,

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- ❖ Publications: 2
- ❖ Conference/ Seminar/ Workshop: Nil
- ❖ Books: Nil
- ❖ Any other achievements: Nil
