

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 today's scenario 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.,



For more information, please contact: (Mail id)

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