

(iii) Project title : Treatment of khadi cotton fabric with herbal extract for developing reusable baby diapers

Objectives :

- To test the physical and functional properties of Khadi cotton fabric.
- To treat this fabric with anti-odor, anti-microbial and mosquito repellent finishes obtained from herbal extracts.
- To test the effect of these natural finishes on functional properties of the Khadi cotton fabric.
- To use this Khadi cotton fabric to develop reusable diapers for babies.
- To test the durability of these natural finishes on Khadi cotton fabric when it is in use.

Research Outcome :

- Microcapsules have been formed.
- Application of finishes on fabric using pad dry cure method has been done.
- Testing of finished fabrics have been completed.
- Out of identified 15 samples, one sample was found to be qualifying all the requirement of reusable baby diapers.
- Reusable baby diapers have been developed.
- Project has been completed.