

DEPARTMENT OF TEXTILE ENGINEERING
B.E (TEXTILE ENGINEERING), BATCH 2014-2015
FINAL YEAR DESIGN PROJECT 2017/18

List of Project Titles

1. Manufacturing and analysis of Nano-fibre-composite structures
2. Manufacturing and Simulation of Helmets for Civil Applications
3. Novel techniques for application of functional inks on textile substrates to enhance the performance of ink film
4. Enhancement of Electrical conductivity of carbon-based inks using additives such as synergist to improve pigment-dispersant interaction
5. Manufacturing and characterization of Bagasse Fibre Composites.
6. Development of Textile based Sensor to measure Hydration Level of Human Body
7. Identification of the sources of faults in denim production line and minimisation of wastage through implementation of TQM (Six sigma) tools
8. Study of the effectiveness of low cost coagulants for treatment of waste water from printing and dyeing industry
9. Comparative evaluation of antimicrobial activity and durability of antimicrobial agents for healthcare textiles
10. Investigation into the effects of different finishes on colour/hue of dyed denim garment/fabric
11. Development of pressure sensors to map complete foot sole for medical and sports applications
12. To improve correlation between visual to instrumental colour difference evaluation for towel industry
13. Development of self-cleaning cotton textile materials
14. To investigate the effects of single needle and double needle sewing process on garment appearance
15. Investigations into the development of a process for printing cotton fabric with sulphur dyes
16. Implementation of visual factory & 5S at weaving division
17. Value stream analysis of warping department.

DEPARTMENT OF TEXTILE ENGINEERING
B.S (TEXTILE SCIENCES), BATCH 2014-2015
FINAL YEAR DESIGN PROJECT 2017/18

List of Project Titles

1. Development of Geotextiles Clay Liners (GCL) for Civil Engineered works.
2. Development of Smart Textile Structures for harvesting of Mechanical energy
3. To Design a Model For Traceability Of The Raw Material In Homes Textile.
4. Manufacturing and analysis of multilayered woven fabric structures for stab resistance fabric.
5. Effect of the added Sodium Sulphate on colour strength and dye fixation of a Digital Printed Cotton/blend fabrics
6. Investigate the relationship between yarn porosity and its dyeing behavior for ring and rotor spun yarns
7. Development of software for inventory management of textile industry by structure Query language.
8. Improving the resistance of sulphur dyes to oxidation by using rare earth metals or lanthanides
9. Reduction of Ring Yarn breakage to 3%.
10. To optimize the air/fuel mixture of combustion chamber of Stenter by stoichiometric analysis

