

Objective:

The aim of teaching this theory subject is to make the students aware of the technological advancement that are been made in the textile design field. This will make them inspire and push them to use and incorporate new methods of fabric making.

Contents:

This course is designed according to the technological advancements in the field of textile design. Smart textiles are the core content of this subject. This is a theory subject so it involves the E-textiles, also known as smart garments, smart clothing, electronic textiles, smart textiles, or smart fabrics, are fabrics that enable digital components (including small computers), and electronics to be embedded in them.

Course work plan: (16 weeks)

The 16 weeks may be divided according to the teacher's convenience and choice at 1 week per assignment or 2 weeks per assignment leading to 16 assignments or 8 assignments respectively. It is a flexible method of time division and the only focus is on the proper impartation of course objectives and the contents as stated above.

Suggested Reading:

Smart Textiles and Their Applications by ValdanKoncar

Designing with Smart Textiles by Sarah Kettley

Smart Textiles for Protection by RM Chapman

Handbook of Smart Textiles by Xiaoming Tao

Textile Technology by Barbara lawler, Helen Wilson 2002

Coated and Laminated Textiles by Walter Fung 2002