

## Course Content

Textile Fibre Classification; Testing of Fibres - length, strength, fineness, maturity, trash and moisture; Fibre Quality Index (FQI); Interpretation of Test Data; High Volume Testing - AFIS, HVI;

Testing of Yarn - lea strength, evenness, appearance, twist, hairiness; Classimat faults and Spectrogram analysis; Fibre-Yarn Relationship;

Testing of Fabrics - Tensile Strength, Tear Strength, Bursting strength, Abaration Resistance, Air permeability;

Chemical Testing - Barium number, Blend Uniformity, Wax content, Spin finish, Rubbing and Wash Fastness; Eco-testing; Quality Control in Spinning, Weaving and Processing; Analysis and Interpretation of textile Test Data; defect analysis in textile products

Medical : Health care textiles, hygiene textiles, implantables and non-implatables, extracorporeal devices, evaluation of healthcare products