**INDIVIDUAL COURSE DETAILS**

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| A. Name of the Institute | **The South India Textile Research Association** |
| B. Name/Title of the Course | **Textile Testing & Quality Control** |
| C. Course Dates with  Duration in Weeks | From: **5/10/2020 to 13/11/2020**In weeks: **6 Weeks** |
| D. Eligibility Criteria for Participants1. Educational Qualifications2. Work Experience required, if any3. Age Limit | **1) Diploma/degree in Textiles/Science****2) At least 2 years experience in laboratories of textiles or allied industries****3) 25 - 50** |
| E. Aims & Objectives of the Course | **Aim** : Provide a programme on testing and quality management for textile mills executives**Objective** : To equip textile technicians with the current developments in the field of quality control in textiles  |
| F. Course Contents / Syllabus *[please attach course details / profile]* | 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, Abrasion 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; Statistical Techniques and its Importance in QC; Interpretation of Test Data; Waste and Waste Control Measures. |
| G. Mode of Evaluation of performance of the participants | The programme encompasses weekly assessments and also requires the participants to submit a report of what they have learnt during the training period at SITRA. Case studies and mock sessions also ensure that participants regularly are appraised of the content being delivered to them |