

TAX6265 Advance weaving preparation and machinery

Level	6
Course Code	TAX6265
Course Title	Advance weaving preparation and machinery
Credit value	2
Core/Optional	Elective (Textile and Clothing, Textile Manufacture)
Course Aim/s	To provide advance knowledge in weaving machinery including those used for preparatory purposes.
Course Learning Outcomes (CLO):	<p>At the completion of this course student will be able to:</p> <p>CLO 1: describe the operating principles of different types of winding machinery. CLO 2: describe the features of different types of yarn packages. CLO 3: describe different levels of automation found in drawing-in and knotting machines. CLO 4: describe advanced systems used for efficient style changing in weaving. CLO 5: design various woven designs using dobby and jacquard shedding mechanisms. CLO 6: compare and contrast various shuttle-less weft insertion methods used in weaving. CLO 7: describe the developments in weaving mechanisms. CLO 8: compare and contrast different types of multi-phase and single-phase weaving. CLO 9: select suitable combinations of weaving accessories to improve the product quality and efficiency of weaving. CLO 10: design the mill environment to ensure product quality and health & safety of workers.</p>
Content	<p>Outline Syllabus:</p> <p>Unit 1: Weaving preparation Unit 2: Weaving machines, mechanisms, and economical aspects Unit 3: Weaving accessories and mill environment</p>