

**TAX6180 Research Methodology and Project Identification (Textile and Clothing Engineering)**

<b>Level</b>	6
<b>Course Code</b>	TAX6180
<b>Course Title</b>	Research Methodology and Project Identification (Textile and Clothing Engineering)
<b>Credit value</b>	1
<b>Core/Optional</b>	Core (Textile & Clothing)
<b>Course Aim/s</b>	To provide the student with knowledge of research based approach in providing solutions to engineering problems
<b>Course Learning Outcomes (CLO):</b>	<p>After completion of this course student will be able to:</p> <p>CLO1: Demonstrate the knowledge of types of research designs, quantitative and qualitative forms of research, and use the most appropriate design for a given issue.</p> <p>CLO2: Create problem statement, purpose statement, research problem and objective of a research.</p> <p>CLO3: Conduct a literature survey effectively in view of information collection with regard to a given issue, critically evaluate outcomes of literature survey, and document them with recognized referencing methods</p> <p>CLO4: Prepare a research proposal based on preliminary investigations.</p> <p>CLO5: Describe ethical issues concerning research and identify and avoid such issue in engineering research.</p> <p>CLO6: Plan and execute substantially research based projects with innovativeness and initiative and with a personal autonomy and accountability.</p> <p>CLO7: Prepare research abstracts and full length articles according to standard formats</p>
<b>Content</b>	<p><b>Outline Syllabus:</b></p> <p>The content of this course includes; Meaning and objectives of research, Types of research, Literature survey and referencing methods, Defining a research problem, Preparation of a research proposal, Ethics in research, and Dissemination of research outcomes and patenting</p>