Level	Level 3
Course Code	MHZ3576
Course Title	Statistics for Industrial Studies
Credit value	5
Core/Optional	Core (Apparel Production and Management, Textile Manufacture, Fashion Design and Product Development
Course Aim/s	to provide knowledge about the statistical techniques used to solve the problems faced in the industry.
Course Learning Outcomes (CLO):	After completing the course, student should be able to, **CLO 1**: organize and summarize data. [PLO1}, [PLO11] **CLO 2**: describe the characteristic features of data. [PLO1}, [PLO11] **CLO 3**: recognize uncertainty in data and provide measures of chances of random occurrences . [PLO1},[PLO4],],[PLO5],], [PLO11] **CLO 4**: make inference about populations based on sample. [PLO1},[PLO4], [PLO5],],[PLO6], [PLO09],[PLO11] **CLO 5**: apply statistical techniques in monitoring and controlling quality of output in production processes. [PLO1},[PLO2],[PLO3],],],[PLO5], ,[PLO6], [PLO11],[PLO12]
Content (Main topics, sub topics)	**Unit 1: Data and Data collection** **Unit 2: Organising and summarizing data** **Unit 3: Probability and Probability distributions** **Unit 4: Statistical Inference** **Unit 5: Statistical Quality Control**