

**Course Title: PRODUCT DESIGN AND ANALYSIS**

**Course Code: DS 114**

**Course Background / Summary:**

Efficient product design and analysis is the key to successful product development, as it helps companies or organizations analyze the market trends, identify deficiencies, and optimize products accordingly. Efficient designs and analysis can reduce the likelihood of product failure, along with assurance of safety and regulatory standards.

**Course Objectives:**

- Define product design and its strategic impact on organizations.
- Describe steps to develop a product design.
- Using break-even analysis as a tool in selecting between alternative products

**Target Audience:**

- Engineers, Fresh Graduates, Industrial Workers

**Course Duration: 3 Days**

**Course Contents**

**1.0 Product Design and Process Selection**

**2.0 The Product Design Process**

**3.0 Break-even Analysis**

**4.0 Factors in Product Life Cycle**