# Laboratory 1

Title of the Laboratory Exercise: Requirements Analysis - I

1. Introduction and Purpose of Experiment

Students get familiar with the documentation and scenario specified for all the lab exercises while analysing the requirements of the scenario

1. Aim and Objectives

Aim

* To develop formal software requirements in a standard format for a given engineering problem

Objectives

At the end of this lab, the student will be able to

* + Identify software requirements from problem statement
  + Identify type of a software requirement
  + Create an unambiguous list of software requirements based on interaction with a client

1. Experimental Procedure

* Work in teams of 7 students
* Each team should read the problem statement and identify requirements as a group
* Each team will then confirm the requirements and document the requirements in an SRS document
* Each individual will then write their lab manual, documenting their observations

1. Functional Requirements
   * + 1. [FR1] - The Software must allow valid users to sign in and sign up and identify the type of user.
       2. [FR2] - The Software should display the list of products based on category.
       3. [FR3] - The Software must display complete product details of a valid product.
       4. [FR4] - The Software allows users to search, sort and filter valid products.
       5. [FR5] - The Software must allow valid users to add valid products to cart.
       6. [FR6] - The Software must allow to checkout a valid cart of a user with customer details and create an order.
       7. [FR7] - The Software must allow the user to choose the mode of payment and complete order transaction process.
       8. [FR8] - The System should give an option to provide coupon code during checkout.
       9. [FR9] - The System must allow the user to track a valid order.
       10. [FR10] - The System must allow the user to cancel or return an existing valid order.
       11. [FR11] - The System must allow merchants to add valid products for sale.

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| **Component** | **Max Marks** | **Marks Obtained** |
| **Viva** | **6** |  |
| **Results** | **7** |  |
| **Documentation** | **7** |  |
| **Total** | **20** |  |