**Criterion A**

**Sri Sai Saree Centre (Client)**, a family business established and run in India, approached me to tackle a prevalent issue in its sales record system. The business is run by three brothers since 2009 and takes part in the buying and selling of Sarees[[1]](#footnote-1), in its locality. The issue identified was the **lack of digitalised method for the recording and accounting of sales** in Sri Sai Saree Centre. The client would like to record sale of goods on computer software, rather than using a paper-based method[[2]](#footnote-2) to record sales in forms of receipts. The client believes this would allow them to add, save, delete and edit information more quickly and easily. Additionally, since sale receipts are stored for healthier business practice, developing a digitalised method can eliminate the need of storage space for receipts. Furthermore, it becomes easier to search and sort for required sales records and reduces human error at the same time. For every item sold, the details of the customer and sale would be written down in an accounts register book. This process, however, can be very tedious and time consuming to enter data into and retrieve required data from the accounts register book. There is also the risk of losing the accounts register book, resulting in the loss of all the sales records.

After multiple discussions with the client and consultations with my **advisor (Computer Science HOD)**, a list of the objectives and their respective solutions were made in order to solve the client’s account register issue and **develop a digitalised method as a solution**. Additionally, features such as calculating sales, printing receipts, controlling stocks and graphing sales were added on request of client, since these tasks were closely associated with recording sales and made the application more flexible.

After identifying the required features to be designed and developed, I decided on the programming language and software to use for this software. Since the client preferred a program that would run the program on a desktop computer and had a simple graphical user interface that would require a small amount of memory to store the data, I decided to program using Visual Basics Application (VBA) in MS Excel. Excel had the essential tools to create the desired, simple GUI to welcome the employees. Additionally, VBA had relatively simple syntaxes and had straight-forward commands to execute the required instructions for the application. Therefore, VBA in Excel seemed to be perfect in order to meet the client’s expectations.

Success Criteria:

* Record sale and customer information.
* Add/Delete/Save/Edit records.
* Search and Sort required sales record.
* View sale and customer details on a spread sheet.
* Calculate sum of sale.
* Print receipt of sale.
* Stock control.
* Generate sale trends.

**Word Count: 450**

1. Traditional Indian clothing worn by females. [↑](#footnote-ref-1)
2. Refer to appendix for picture of receipt. [↑](#footnote-ref-2)