# SmartTable Scope Redefining

SmartTable is a Vision based Garment Measuring System, which gives critical measurements on a t-shirt, basically Nike Pro Top and Nike Poly Top. This document is to share a brief description on project scope of SmartTable, to align everyone in one path. This project consists of 3 main phases as described in following.

## Phase I

**Main Points:**

* Use image processing to get measurements
* Use two rings

In this first phase the system is taking measurements using two rings. There are two color blobs on top of two rings. The system identifies these color blobs with input camera frame located above the table, and calculate distance between two rings. The color of the blobs should be changed according to garment color as they are contrast each other. User of this system should wear these two rings and place them at two edges where the measurement should be taken, then the measurement will be shown on screen.

## Phase II

**Main Points:**

* An improved way to take measurements

Additional to Phase I, here the way of taking measurements on the garment is changed. User has only to lay the t-shirt properly on the table according to given instruction, system will take all four critical measurements on the garment and will show on screen.

## Phase III

**Main Points:**

* Adding Data Capturing capability
* Data Analysis

In this phase all the measurements taking on the t-shirt will be stored in a database style and size basis. Apart from that those data can be used for further analysis processes.