**Experiment Code Documentation**

**Introduction**

This document captures the experiment implementation details.

**Code Details**

**File Name : basic.js**

**File Description :This file contains functions for basic simulation of the experiment.**

**Function : myfunction()**

**Function Description : This function is used to display the dropdown on clicking the sample button.**

**Function : Benzene()**

**Function Description : This function changes the test tube colour to red.**

**Function : Acetaldehyde()**

**Function Description : This function changes the test tube colour to blue.**

**Function : Acetate()**

**Function Description : This function changes the test tube colour to green.**

**File Name : svgmagnetic.js**

**File Description :This file contains functions for middle level simulation of the experiment.**

**Function : myMove()**

**Function Description : This function adds the functionality for load button and also the movement for the test tube.**

**Function : toggle1() and toggletext()**

**Function Description : This function adds functionality to display the svg.**

**Function : arrowstart1()**

**Function Description : This function adds functionality to display the bouncing arrows.**

**Function : evaluatebutton()**

**Function Description : This function displays evaluate button on clicking the load button.**

**Function : toggle1() and toggletext1()**

**Function Description : This function adds functionality to display the svg.**

**Function : magnetic()**

**Function Description : This function displays the arrow moving towards the right.**

**Function : toggletextPlayState1()**

**Function Description : This function stops the animation around the balls.**

**File Name : charts.js**

**File Description :This file contains functions for middle level simulation of the experiment.**

**Function : plot()**

**Function Description : This function simulates the graph based on various conditions.**

**Function : plotbenzene()**

**Function Description : This function simulates the graph for benzene condition.**

**Function : plotacetate()**

**Function Description : This function simulates the graph for ethyl acetate condition.**

**Function : plotacetaldehyde()**

**Function Description : This function simulates the graph for acetaldehyde condition.**