**Chapter 1**

**Introduction**

Since the invention of wheel humans have always tried to reduce the load and burden of the human effort. After the wheel was invented it opened up venues for transportation which included transporting human, animals, food items etc. throughout the world. This led to discovery of gears leading to the invention of cars and automobile. Just as the discovery of wheels started the industrial revolution, in the same way the discovery of “Difference Machine” by Charles Babbage started the revolution in the field of using computers to automate and calculate large calculation in the field of scientific, mathematics, business and much more