PROJECT INTRODUCTION

- A particle system is a convenient representation of a natural phenomena
- The natural phenomena to be reproduced are Smoke and Flames
- Creation of a pseudo-realistic scene simulating physics using random factors in the particles motion

SMOKE

- Smoke is a collection of airborne solid and liquid particulates and gases emitted when a material undergoes combustion or pyrolysis.
- Smoke coming from a candle has a higher temperature than the surrounding, giving
 it lower density, which makes it rise. As it rises, it cools down, which also decrease
 the net force on the smoke particle. At the same time hotter smoke from below hits
 the smoke that is more stagnant causing random movements.