

Building SenticNet 7

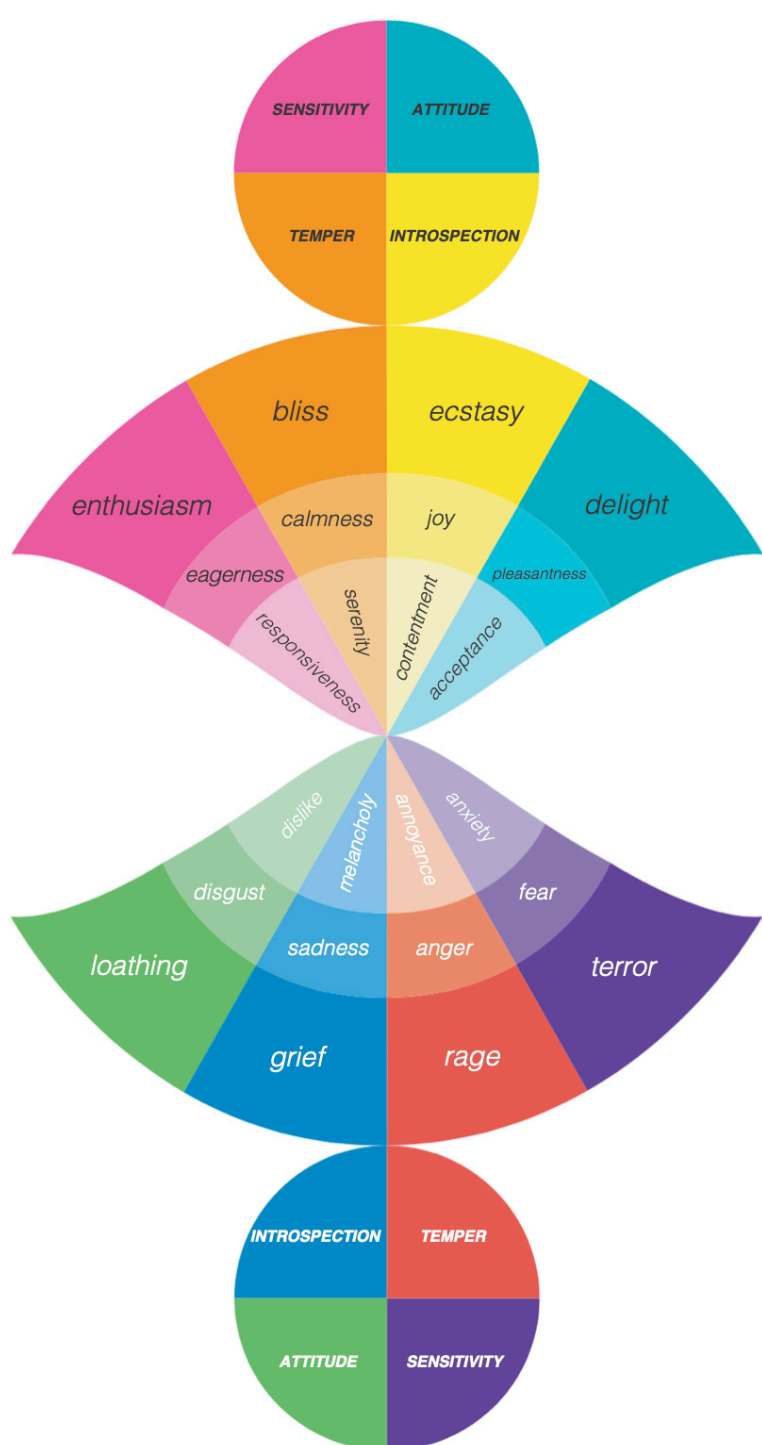
Student: Perh Zhi Hao

Supervisor: Dr Erik Cambria

Project Objectives:

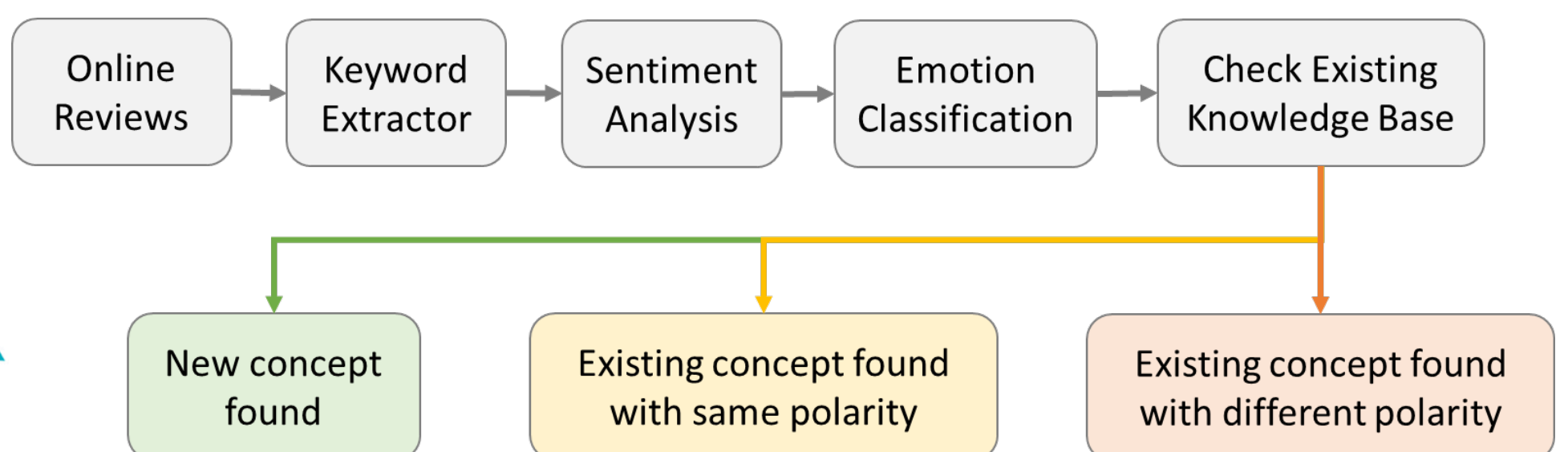
The objective of this project aims to improve and expand the SenticNet knowledge base. The implementation of this project consists of 2 parts:

First, a proposed program to learn and analyse conceptual primitives for the knowledge base. In this program, the Sentiment Analysis uses a Deep Learning technique called RNN implemented using LSTM to automatically predict the polarity score, and the Hourglass of Emotions Classification. This program aims to implement an error checking function for the existing knowledge base.



Hourglass of Emotions

Proposed Error Checking Program Framework:



Second, a semi-automated tool to generate the list of synonyms and antonyms related to the specific verb.

Flow of Semi-Automated Tool:

