

1995

Chemical Reaction



GROUP MEMBERS

1. YUZZAIEF BIN YUNUS
2. MUHD SHAFIQ BIN NAZAR
3. AFIQAH BT SAMSUL KAMAL
4. NINA SYAZWANY BT MOHAMED YASSIN

Stopping Mechanism

Iodine Clocks:

An excess of iodine reacted to starch will produced a black dark mixture, in which when there is no light passes through the sensor, the electron flow in the LDR circuit will be cut off. Thus, the car will stop moving



Design

- Compact and high durability
- Fast and Powerful

Environmental & Safety Feature

- The fuel used is environmentally friendly as only H_2 gas is released from the reaction
- Reaction were done in PP container which is safe for the reaction
- Low molarity of acid is used as electrolyte, resulting no unpleasant smell or smoke produced
- Made up from recycle material



Material Cost

Motor	: RM45
Wiring Component	: RM5
Chemicals	: RM15
LDR Circuit	: RM25
Body Chasis	: RM15
Total	: RM105

Bumper:

- The car have two removable bumper with different design respectively for each course
- Made up from high density material to increase the momentum transfer for the impact with contact

