M-ARMADA

Objective:

Design and model a self propelled missile that uses any form of stored energy (mechanical, electrical etc.)

Rules:

1. It must have a launching device mechanism.
2. The design will be judged on the following points.
   Range: - Maximum range on a horizontal surface.
   Accuracy: - Must be able to hit a stationary target placed parallel to /vertical to the ground.
3. At all times the missile must be able to carry a payload (<150 gm) which will be given at the time of the competition. Hence all designs must have a slot (internal or external) to hold the payload.
4. Payload:- standard sized glass marbles.
5. Device must not exceed 2ft x 2ft x 2ft (including the launcher of the missile).
6. Each team can have only one machine. The machine should not be built by readymade Lego kits or any other readymade assemblies. Readymade chassis are also not allowed. Any machine found damaging the arena or any other machine will be disqualified.

POWER SUPPLY:

1) The maximum potential difference should not exceed 24V DC between any two points on the machine if electric power is used.

GENERAL RULES:

1) Any team not ready at the specified time will be disqualified.
2) The machines will be checked for safety before run and will be discarded if found unsafe.
3) Organiser's decision will be final and binding to all.
4) Organisers reserve the right to change any or all of the above rules as they deem fit. Any change in the rules will be highlighted on the Website and shall be notified to the registered participants.
5) All students with a valid identity card from their respective educational institutions are eligible to participate.