**Engineering Intro-Mini Project Vocabulary**

* **Coefficient of Restitution (COR):** a fractional value representing the ratio of velocitiesafter and before an impact (sometimes to referred to as “bounciness”); an object with a
* COR of 1 collides elastically, while an object with a COR < 1 collides inelastically
* **Elastic Collision:** an encounter between two bodies in which the total kinetic energy ofthe two bodies after the encounter is equal to their total kinetic energy before the encounter; elastic collisions occur only if there is no net conversion of kinetic energy into other forms
* **Energy Transfer:** the transfer of energy from one body to another
* **Inelastic Collision:** a collision in which kinetic energy isnotconserved
* **Kinetic Energy:** energy that a body possesses by virtue of being in motion
* **Potential Energy:** energy which an object has because of its position; it is calledpotential energy because it has the potential to be converted into other forms of energy, such as kinetic energy