

## 0.1 AE22B033

Name : Immanuel James

Github user-id :ae22b033

$$\Delta U = Q - W$$

First law of Thermodynamics : The first law of thermodynamics states that energy can neither be created nor destroyed, only altered in form. For any system, energy transfer is associated with mass crossing the control boundary, external work, or heat transfer across the boundary. These produce a change of stored energy within the control mass.

Footnote :Concepts of Physics (Author: H.C Verma)