|  |  |
| --- | --- |
| -------> Signal/electrical  \_\_\_\_> Force  .......> Material/Change in matter | input  mechanical  electrical  ???  ???  output |

# Functional Decomposition

Functions producing the required outcomes for the project are identified in the organizational chart. They are categorized in two types: mechanical (in red) and electrical (in blue). Mechanical functions will act on inputs affecting the real world. Electrical functions will act on inputs affecting the virtual world and serve as a control for mechanical functions. The functional requirement of the device remaining stationary without user input (in purple) will be addressed in this document.