

The word **Mechatronics** was first coined by a senior engineer of a Japanese company; Yaskawa, in 1969, as a combination of "mecha" of mechanisms and "tronics" of electronics. The word has taken a wider meaning since then and is now widely being used as a technical jargon to describe a philosophy in engineering technology, more than the technology itself. Mechatronics is the synergistic integration of mechanical engineering with electronics; systems design engineering, and intelligent computer control in the design and manufacture of products and processes. Mechatronics students do subjects from various fields: Mechanical engineering, Materials sciences, Electronic engineering, Computer engineering, and Systems and Control engineering. The graduates are intended to be qualified to work in a number of industries: Automation and robotics, Sensing and control systems, Automotive engineering, Biomedical systems design, Energy and power systems, Machine vision and intelligence, Aerospace engineering, Security systems design, etc.