APPLIED ROBOTIC CONTROL LAB

In the present day scenario robotics play a key role in automation. It serves the need of the industry to the great extent by replacing the human beings and thus improving the quality of the product. The aim is to replicate environment of an industry using advanced robotics, for the students to work on. Helping them evolve from having theoretical knowledge towards practical approach to a problem.

The ARC platform integrates ABB robot technology, computer/server infrastructure, a Robot Studio simulation environment provides multiple opportunities to model and program robot applications in the virtual world. This lab provides an innovative platform on industrial robotics. It combines theoretical knowledge transfer with hands-on experiences through practial work with real industrial robots under Remote Control.

This lab enables the students to get a deeper insight into functionalities and technical principles of automation systems, in particular of industrial robots and their application in industrial production scenarios. It allows students to obtain fundamental skills and experiences, and to learn from specially tailored practical projects with high industrial relevance.