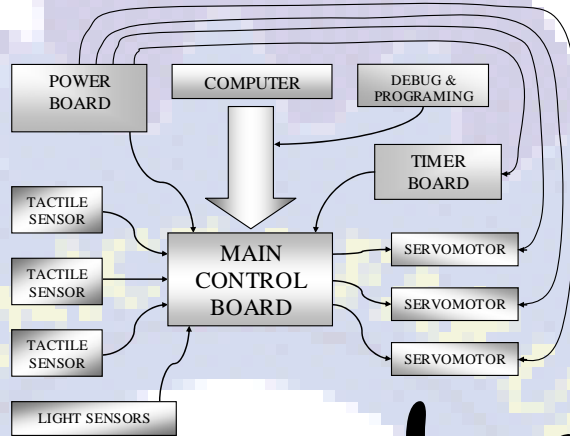
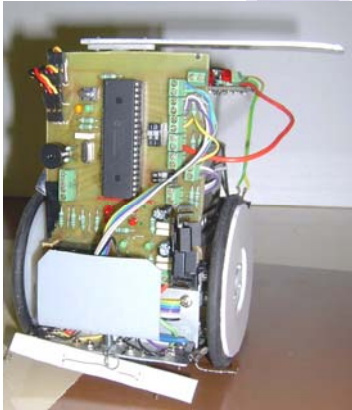




TECHNICAL UNIVERSITY OF KOŠICE  
 FACULTY OF MECHANICAL ENGINEERING  
 DEPARTMENT OF PRODUCTION SYSTEMS AND ROBOTICS



# TUKE-ROBOTICS

Overview of the robots.

The **attacker robot** using rotating arm for throwing the skittles. It is a mobile robot with three wheels. Orientation system of robot operating on principle of recognize colors on playground and memorize of its position. Robot uses wheels for moving on playground, two of them are droved and the carriage have differential principle control system.

The **defense robot** sets upright the shittles the opponent takes down and releases them. It uses permanent magnets to pich up the skittles. Infrared and sensors tactile sensors are used for positioning.

