

## **Project Examples Fall 2015 and Spring 2016**

### **Robotics**

**Baxter      Program for Application – pick and place of Colored**

**Golf Balls – Sort the balls according to color.**

**Turtlebot   Mobile Robot Obstacle Avoidance**

**Use with Kinect for depth and vision**

**Moving Object Following (Based on Kinect)**

**Robot Apps and Software – ROS Networking for TurtleBot using  
Ad-hoc network**

### **Fall 2016**

**Obstacle Avoidance Robot controlled by Bluetooth module and IR  
remote**

**Bluetooth based Robot for Metal Detection Applications**

**Arduino Operated Obstacle Avoidance Robot**

**Pesticide Spraying Drone - Design**

**Design of Unmanned Aerial Vehicle for Automated Delivery**

**Mapping and Localization with Turtlebot**

**Brain Wave Control of Turtlebot**

**Altera SDK for OpenCL SOC-FPGA Programming**