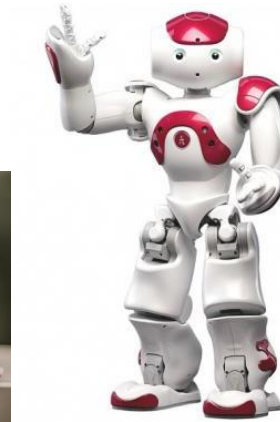# GE1354
Introduction to Electronic Design

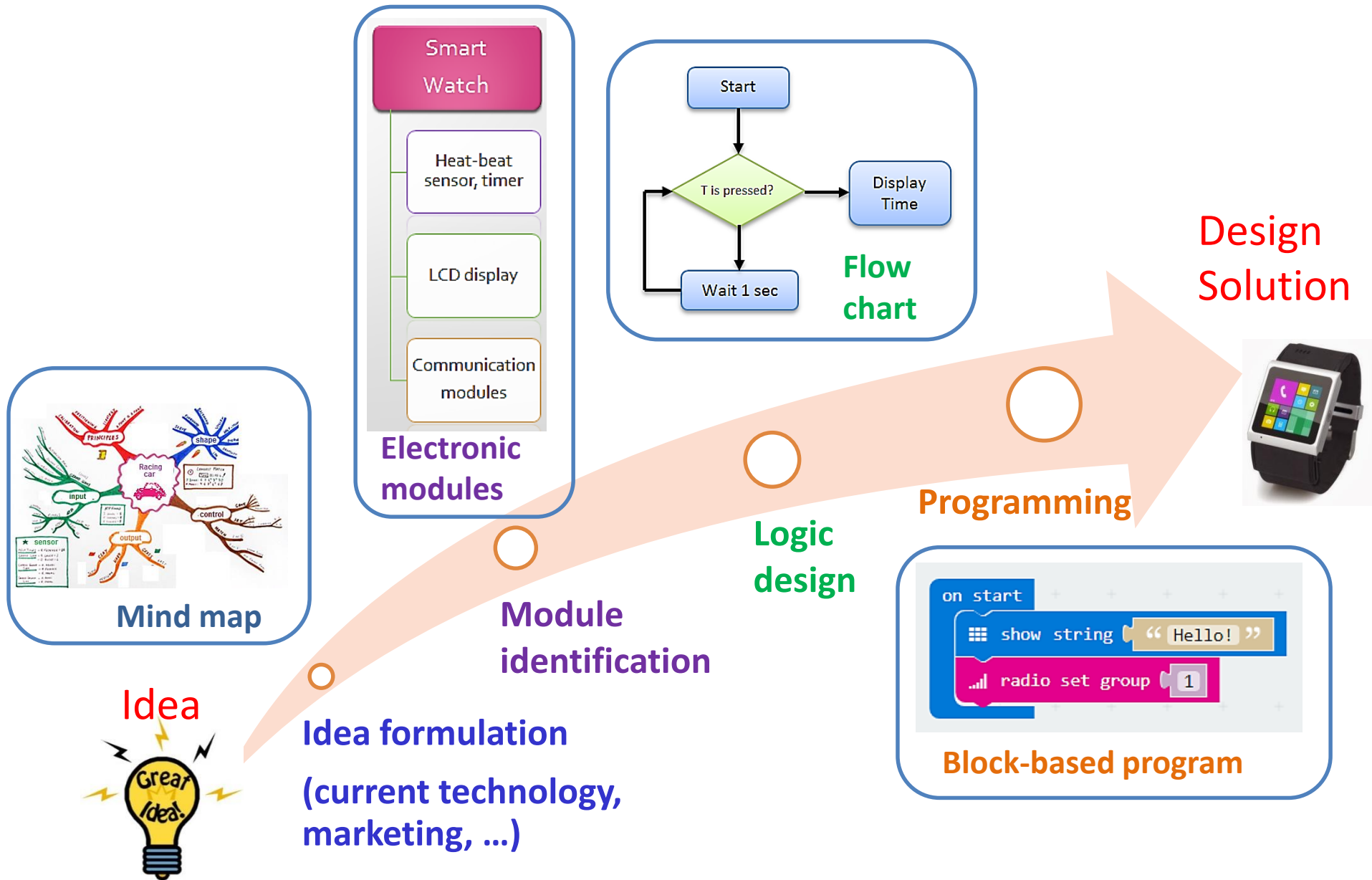## Department of Electronic Engineering

Electronic Systems

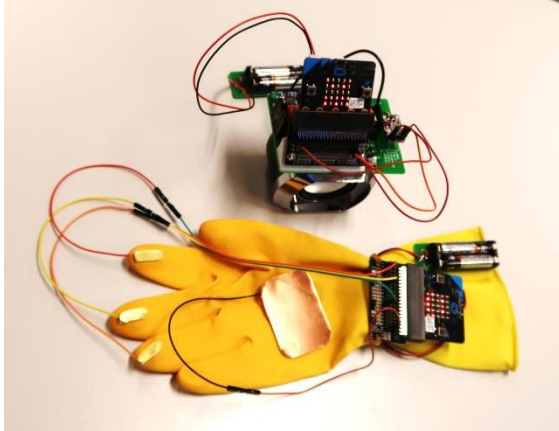- Electronic systems are ubiquitous.

Course Aim

- Develop students from different disciplines on their fundamental understanding of electronic components, and

- Allow students to turn their ideas into products using electronic technology based on a project-driven approach, supplemented by lectures and hands-on training.

Project-Driven Learning

Mind map

Electronic modules

Smart Watch

Heat-beat sensor, timer

LCD display

Communication modules

Flow chart

Start

T is pressed?

Display Time

Wait 1 sec

Design Solution

Programming

on start
show string " Hello! "
radio set group 1

Block-based program

Logic design

Module identification

Idea

Idea formulation

(current technology, marketing, …)

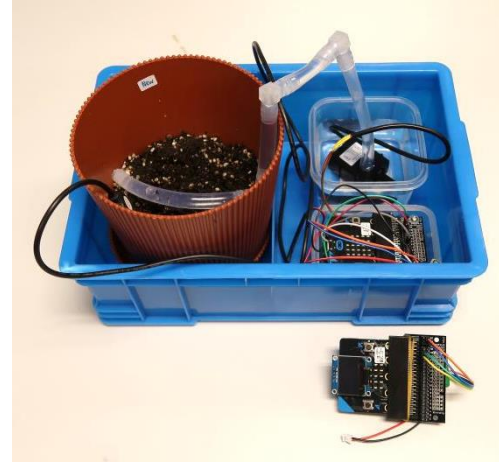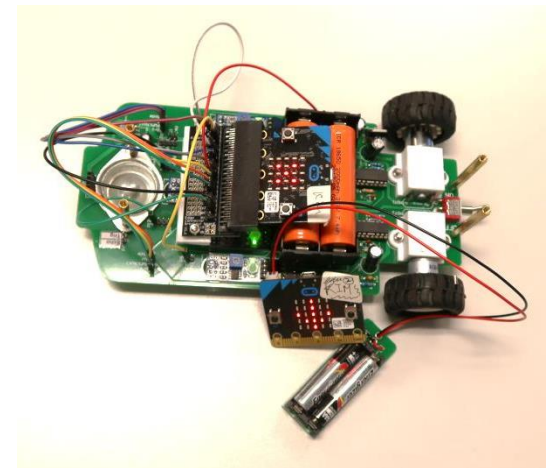# Students' Projects

Hand-gesture music player

Auto-watering system

Medical measurement

Remote racing car