

LAB 0

1 Equipment:

1.1 Prepare yourself:

1.1.1 A host computer (laptop) (Computers in the lab are not recommended).

1.1.2 **Ubuntu 14.04** is preferred.

1.1.3 A Micro SD Card or a flash drive(not recommended).

1.1.4 HDMI cable

1.1.5 Stereo or headphones

1.1.6 Microphone

1.2 Inside the box:

1.2.1 A development board. (Embedsky E9V3)



1.2.2 An RS-232 cable.

1.2.3 A power cable.

1.2.4 An LCD screen. (TN92_7LCD_V1.02).



1.2.5 An RS-232 – USB cable. (Uptech UTN401A)



1.2.6 A miniUSB – USB cable*.

1.2.7 An Ethernet cable*.

➤ * means may not be packed inside the box.

2 Lab topic:

Lab 1: Hello World in an embedded system

Lab 2: Video input/output in an embedded system

Lab 3: Image recognition in embedded systems

Lab 4: Audio input/output in an embedded system

Lab 5: Facial recognition in embedded systems

3 Schedule of the lab:

Date	Lab	Date	Lab
09/5	Lab 0	10/31	Lab 3
09/12	Lab 1	11/7	
09/19		11/14	
09/26		11/21	Lab4
10/3	Lab 2	11/28	
10/10	National Day	12/5	Lab5
10/17		12/12	
10/24		12/19	

2 Grading Policy:

Lab 0	0 %
Lab 1	10 %
Lab 2	10 %
Lab 3	25 %
Lab 4	15 %
Project	40 %

Note:

1. You need to upload your source code to E3, all your submissions must be your own work or you will get 0 points from the Lab.
2. You must finish all Labs except advance part to pass this course.
3. Demo on site: 100% of the points
 Demo in the next week: 90% of the points
 Demo in the the week after next: 70% of the points
 Late submission: 40% of the points