











Course : Technology and Information Systems
Course Code : SECP 1513
Activity : PC Assembly
Section : 15
Lecturer Name : DR. HALINAWATI BINTI HIROL
Group name : AKINA AISHAH YEAP (A23MJ5005)

This sheet should be filled in your group.

You should fill in the step numbers and the activities for each step. Once you have completed the steps, put a  in the final column (for done). Once you have completed all the steps and put the check mark. Find a technician in the lab to check that you have completed all the steps correctly.

Step number	Activity	Done 
A Before opening the system case Step 1:	Turn off the system unit by unplugging the AVR from the wall socket.	
B. Disassemble of a System Unit Step 2:	a. Unplug and remove the power cord along with all of other cables connected to the system unit	
3	b. Place the system unit on the table after clearing the connected cables.	
4	c. Hands are rubbed; With your bare hands, touch the unpainted metal part of system unit.	
5	d. The ESD is removed from the body.	
6	e. Wear gloves to keep your hands clean while handling computer parts	
7	f. Untighten the screws of the side cover and place it in a container. Proceeds to remove the side cover.	
8	g. Wear anti-static strap or discharge yourself by holding any metal objects for 5 minutes	

9	h. Remove all the cables inside the system case;	✓
10	i. Remove the power supply by untightening the screws	✓
11	j. Remove the Hard disk drive, the RAM & the heat sink	✓
12	k. Proceeds to remove the CPU or Processor and place in a secure compartment	✓
13	l. Untighten the screws mounted to the case and carefully remove the motherboard	✓
C. Assembling a System Unit Step 1	a. Mount all the parts along the motherboard. Including CPU, CPU's Heat Sink Fan, RAM and Video Card by screwing it to the system unit.	✓
2	b. Install the motherboard. Tighten the screws mounted to the case; Install the processor	✓
3	c. Place the heat sink on top of the processor and mount it in the motherboard	✓
4	d. The RAM must align to its socket by pushing down evenly with a thumb until the black latches raise to the close position	✓
5	e. Carefully install the HDD. Tighten the screws mounted to the case	✓
6	f. Place the power supply inside the case and tighten the screws	✓
7	g. Connect all the cables to all components inside the system unit	✓
8	h. Power Cables; Connect power cables to the motherboard, GPU, and other components	✓

9	i. Data Cables; Attach SATA cables to the optical drive and HDD.	✓
10	j. Front Panel Connectors; Connect power button, reset button, LEDs, and front audio connectors, Refer to the motherboard manual for proper pin configurations.	✓
11	k. Tuck Away Cables; Ensure all cables are neatly tucked away to avoid interference. The cables are organized by zip ties.	✓
12	l. Put the side cover back and tighten the screws evenly to secure the side cover.	✓
13	m. Connect external cables; plug the power cord, monitor, keyboard, mouse and other cables to the system unit.	✓
14	n. Test the system unit if it is working. Power on the system unit with a minimal boot test. Check for unusual activities like noises and smoke.	✓
15	o. Access the BIOS to confirm component function and recognition	✓
16	p. Os Installion is made to check the system. If all passed, proceed with installing the operating system and necessary drivers and software.	✓