










Course : Technology and Information Systems
Course Code : SECP 1513
Activity : PC Assembly
Section : 15
Lecturer Name : Halinawati
Group name : Group 3

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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 (assemble) | Done  |
|-------------|--|--|
| 1 | Place the cpu in the motherboard socket. Add thermal paste on CPU (mostly included with the CPU or cooler) |  |
| 2 | Add 2x8GB of ram. Placing ram on dual channel mode will increase the performance. Check the motherboard manual to know where dual channel slots in the motherboard are. | |
| 3 | Open the case side panel and place it somewhere safe |  |
| 4 | Install desired number of fans (mostly pre-installed) at the front, back, or ceiling of the case (certain chassises allow you to install fans at the bottom). |  |
| 5 | Carefully place the motherboard in the PC and screw it in but don't over tighten the screws as it will damage/scratch both the chassis and motherboard. motherboard I/O shield might be applicable to screw into the chassis. |  |
| 6 | Install one of the 3 CPU coolers (should do one of them only): 1) Air cooler (cheapest, not best) 2) Tower cooler (good investment, noticeable performance) 3) AIO, All in one cooler (most expensive, best performance) |  |
| 7 | Place the power supply in its designated place (make sure the fan of power supply is at the top) |  |
| 8 | Install one of the 3 storage drives (at least one of them, can be all): 1) M.2 SSD (M.2 PCIe slot in motherboard, expensive, fastest, greatest longevity, no sound) 2) SATA SSD (drive cage in chassis, moderately expensive, fast, high longevity, no sound) 3) HDD (drive cage in chassis, cheapest, super slow, low longevity, loud) |  |

| | | |
|----|---|---|
| 9 | Optional but highly recommended: Install GPU into GDDR6X slot of motherboard | ✓ |
| 10 | cabling (should do all 3): 1) Connect the PSU (power supply) cables to their appointed areas (motherboard and GPU). 2) HDD/SATA SSD are connected to the motherboard through SATA connectors. 3) Front panel case cables are then connected to the motherboard | ✓ |
| 11 | Place the case side panel back to where it was | ✓ |
| 12 | pray to allah it works | ✓ |