**Course : Technology and Information Systems**

**Course Code : SECP 1513**

**Activity : PC Assembly**

**Section : 16**

**Lecturer Name : Dr. Halinawati**

**Student Name : Muhammad Safwan Bin Rabe (A23MJ5057)**

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 ✅ |
| 1 | Prepare the Case:   * Place the case on a stable surface and install standoffs if required. | ✅ |
| 2 | Install CPU:   * Align the CPU with the socket, lower the lever, and secure it in place. | ✅ |
| 3 | Apply Thermal Paste:   * If using an aftermarket cooler, apply thermal paste following the manufacturer's instructions. | ✅ |
| 4 | Install RAM:   * Align the notches on the RAM with the slots on the motherboard and press down until they click. | ✅ |
| 5 | Install Motherboard:   * Place the motherboard on the standoffs, align screw holes, and secure it with screws. | ✅ |
| 6 | Connect Power Supply:   * Connect power cables to the motherboard, CPU, GPU, and other components. | ✅ |
| 7 | Connect Data Cables:   * Connect SATA cables to storage drives and other data cables as needed. | ✅ |
| 8 | Install Expansion Cards:   * Insert GPU, sound cards, and other expansion cards into their respective slots. | ✅ |
| 9 | Connect Front Panel Cables:   * Connect power button, reset button, and front panel audio/USB connectors to the motherboard. | ✅ |
| 10 | Cable Management:   * Organize and secure cables using cable ties for better airflow and aesthetics. | ✅ |
| 11 | Install Storage Drives:   * Secure hard drives, SSDs, and other storage devices in the drive bays. | ✅ |
| 12 | Close the Case:  • Secure the side panel with screws | ✅ |
| 13 | Power On:   * Connect peripherals, plug in power sources, and turn on the computer. | ✅ |
| 14 | Install Operating System:  • Install your preferred operating system using a bootable USB drive. | ✅ |