

**Course** : **Technology and Information Systems**  
**Course Code** : **SECP 1513**  
**Activity** : **PC Assembly**  
**Section** : **15**  
**Lecturer Name** : **Dr. Halinawati**  
**Group name** : **Abdullah Al Nahid (A22MJ3066)**

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 <input checked="" type="checkbox"/>
1	Gather Components: Collect motherboard, CPU, RAM, GPU, storage, power supply, etc.	<input checked="" type="checkbox"/>
2	Prepare Tools: Ensure you have screwdrivers, anti-static wrist strap, pliers, and other tools.	<input checked="" type="checkbox"/>
3	Prep Work Surface: Use a static-free surface and open the motherboard packaging.	<input checked="" type="checkbox"/>
4	Install CPU: Carefully place the CPU into the motherboard socket following the manufacturer's instructions.	<input checked="" type="checkbox"/>
5	Install RAM: Insert RAM modules into the corresponding slots on the motherboard.	<input checked="" type="checkbox"/>
6	Attach CPU Cooler: Mount the CPU cooler, securing it as per the cooler's instructions.	<input checked="" type="checkbox"/>
7	Place Motherboard: Install the motherboard in the computer case, securing it with screws.	<input checked="" type="checkbox"/>
8	Connect Power Supply: Connect power supply cables to the motherboard and other components.	<input checked="" type="checkbox"/>
9	Install GPU: Insert the graphics card into the appropriate slot on the motherboard.	<input checked="" type="checkbox"/>
10	Mount Storage: Install HDD/SSD in designated drive bays and connect data and power cables.	<input checked="" type="checkbox"/>
11	Expansion Cards: Add other cards like sound or Wi-Fi, securing them in available slots.	<input checked="" type="checkbox"/>
12	Front Panel Cables: Connect power button, reset button, LED indicators to the motherboard.	<input checked="" type="checkbox"/>
13	Case Fans: Connect case fans to the motherboard or power supply and ensure proper airflow.	<input checked="" type="checkbox"/>

14	Cable Management: Organize cables for better airflow and aesthetics inside the case.	✓
15	Peripheral Connection: Connect monitor, keyboard, mouse, and any other peripherals.	✓
16	Double-check Connections: Ensure all components are properly seated and connected.	✓
17	Power On: Turn on the system and check for motherboard diagnostic LEDs or beep codes.	✓
18	Access BIOS/UEFI: Configure basic settings, including boot order and system time.	✓
19	OS Installation: Install the operating system from a bootable USB or DVD.	✓
20	Driver Installation: Install motherboard, GPU, and other hardware drivers.	✓
21	System Updates: Update the OS and drivers to the latest versions for stability and security.	✓
22	Software Installation: Install essential software and applications for daily use.	✓
23	Stability Testing: Perform tests to ensure components function correctly under load.	✓
24	Security Setup: Configure security measures, such as antivirus software and firewalls.	✓
25	Data Backups: Set up regular backups to prevent data loss in case of unforeseen events.	✓
26	System Tweaks: Customize settings, themes, and preferences to suit your needs.	✓