



Lab Card

Lab Number
ENP-S-03-B1-025

Laboratory Type	Network Lab – CISCO Networking Academy Partner		مختبر الشبكات
Building	South Building – 3 rd Floor		
Capacity	19 HP PCs, 110.8 Area (m2)		
Equipment (Furniture – Appliances)	1	The laboratory is equipped with: <ul style="list-style-type: none"> • <u>Windows10 - 64bit</u> • <u>Netop Vision</u> • <u>Acrobat Reader</u> • <u>Google Chrome</u> • <u>IZArc</u> • <u>Microsoft Office 2019</u> • <u>Microsoft Visio 2019</u> • <u>Microsoft Project 2019</u> • <u>Microsoft Visual Studio 2019 (200)</u> • <u>Eclipse luna (201) (207)</u> 	
	2	3 Network Cabinet, Bi fold doors side doors with accessories.	
	3	12 CISCO CATALYST-1000 SERIES SWITCH	
	4	12 CATALYST CISCO 8200 SERIES	
	5	26 Table Hub	
	6	20 Wifi Adapter for PCs + Ethernet+ Adapter + Network Cable accessories.	
	7	2 OSCILLOSWPE-TEKTRONI- TEK-2211	
	8	8 SMART MESH WI-FI ROUTER EXO AC2600	
	9	3 D link Black Router	
	10	1 D link white Router	
	11	6 Patch Panel	
	12	<ul style="list-style-type: none"> • SparkFun Raspberry Pi 3 Kits 	
	13	The laboratory is equipped with: <ul style="list-style-type: none"> • Extron Control Touch Panel- for speaker & ceiling Camera • Projector & display curtain • Digital ceiling Camera 	
	14	<ul style="list-style-type: none"> • Instructor Table & Chair • Island Pinch Shelving + Wall Shelving • 18 Table & 18 Chairs & 5 Desk Chair with 360° Tablet Rotation • 1 Small black Network Cabinet • White board 	
	<p><u>The laboratory is equipped with</u> electricity sockets & network points connected to the internal network of Kuwait University.</p> <p><u>PCs are equipped with:</u> Windows10 Enterprise, OS, MS Office 365 software, antivirus programs, Cisco Packet Tracer, IBM Rational Software Architect Designer.</p>		
Computers Status	Model: Intel(R) Core (TM) 17-8700 CPU @ 3.20GHz 3.19 GHz Memory: 16.0 GB RAM		
Accommodation for people of determination	<p>Allocating seating places for the disabled on the edges of corridors and rows, on flat places, near services and emergency doors.</p> <p>The availability of the necessary spaces that allow the disabled to move and see clearly.</p> <p>The laboratory has computers equipped with talking and screen enlargement programs.</p> <p>Doors open outward</p> <p>The presence of fire-fighting equipment near the laboratory.</p> <p>Evacuation Plan/Evacuation Officer: Presence of safety guidelines to evacuate the plant in the event of a fire.</p> <p>Wiring extensions are safe and do not pose a risk to students.</p>		

- The Safety & Security Dept. Emergency Line (ext. 3333, direct line 24893333) available 24hours/day.
- Scan the QR code to report an issue / malfunction.



	Easy access to the primary electrical control switch to shut down all devices.
Safety & Security	Doors open outward with electronic card system. Fire-fighting equipment inside the laboratory: Fire Extinguisher, Fire Blanket & First Aid Kit. Evacuation Plan: Presence of safety guidelines to evacuate the plant in the event of a fire. Wiring extensions are safe and do not pose a risk to students. Easy access to the primary electrical control switch to shut down all devices.
Laboratory Uses	This lab facilitates students' learning (core & elective subjects) in various fields like: <ul style="list-style-type: none"> • IoT engineering • Algorithm development • Machine learning • Data analytics Courses: <ul style="list-style-type: none"> • Computer Programming for Engineers, CpE-200L • Advance Computer Programming, CpE-201L • Data Structures, CpE-207LCpE-221L • CpE-456L • Computer Networks Laboratory CpE-357
Officials	Eng. Layla K. Kamel, Hana R. Al-Rushoud & Zainab M. Behbehani
Awareness & Guidance	The presence of instructions for correct use & instructions to maintain laboratory equipment,

It provides students with the computer networks-related practical & hands-on experience required in the work field. The lab facilitates training students for many Cisco certifications, focusing on two courses in undergraduate curriculum—the Cisco Certified Network Associate (CCNA) & Cisco IoT Fundamentals 2.0 certifications. The lab comprises 18 PCs, 12 Cisco routers, 12 Cisco switches, 6 WIFI access points, and SparkFun Raspberry Pi 3 Kits with other electronic components are available in the lab. 5 certified faculty members & 5 certified TAs.

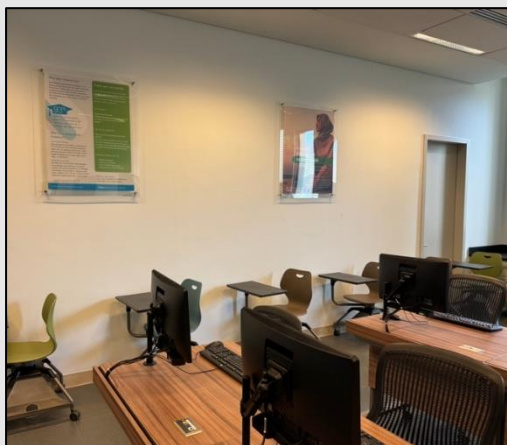
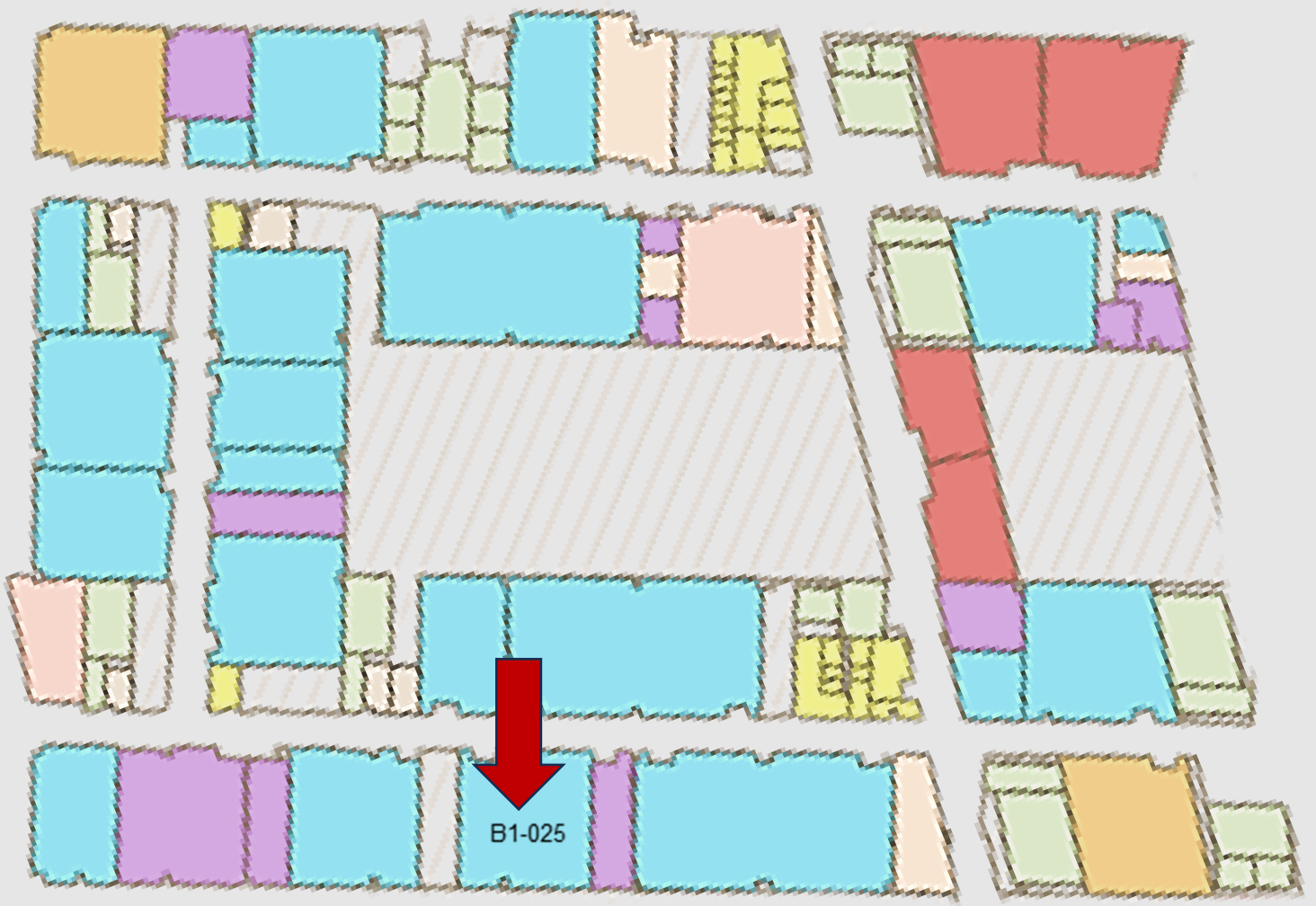
يوفر مختبر شبكات الكمبيوتر للطلاب الخبرة العملية والعملية المتعلقة بشبكات الكمبيوتر المطلوبة في مجال العمل. يسهل المعمل تزويد الطلاب بالعديد من شهادات Cisco؛ كما يتم التركيز على مقررين في مناهجنا الجامعية: (CCNA) Certified Network Associate

Fundamentals 2.0 Cisco IoT

يضم المعمل 18 جهاز كمبيوتر، و12 جهاز توجيه Cisco، و12 محول Cisco، و6 نقاط وصول WIFI، مجموعة SparkFun Raspberry Pi 3 مع المكونات الإلكترونية الأخرى، ولدينا حاليًا خمسة أعضاء هيئة تدريس معتمدين وخمسة مساعدين تدريس معتمدين.

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