

Computer course Syllabus: 2nd year: 2nd term (2 credits)

Week No.	Subjects	No. of hours theoretical	No. of hours practical
1	Security and networking: what is a network? Types of networks, basic network components.	1	2
2	Security and networking: network security. Understanding network threats..	1	2
3	E-Commerce: concept of electronic banking services this include online banking: ATM and debit card services, phone banking, SMS banking, electronic alerts, mobile banking.	1	2
4	Computer Troubleshooting: Identifying and solving common hardware and software problems that computer users encounter.	1	2
5	Computer troubleshooting: basic trouble shooting techniques and tools for diagnosing and resolving issues.	1	2
6	Introduction to AI: Definition of AI, History of AI techniques and approaches.	1	2
7	Introduction to AI: key characteristics of AI, benefits of AI, challenges and ethical consideration.	1	2
8	The role of AI in modern smartphone: AI-driven mobile technologies, virtual assistants (Siri, Google assistant, Alexa)..	1	2
9	The role of AI in modern smartphone: adaptive learning, real-time translation services.	1	2
10	Applications and tools of AI: overview of AI applications in various industries, education and healthcare.	1	2
11	Applications and tools of AI: transportation, marketing and advertising.	1	2
12	Applications and tools of AI: finance, robotics and automation technologies.	1	2
13	AI and society: how AI affects social, AI and international relations, AI and the future of humanity.	1	2
14	Ethical challenges in AI: AI ethics, privacy and surveillance, the impact of AI on the job market.	1	2
15	The future of AI: future trends in AI, recent research and emerging technologies.	1	2
Total		15	30