

## رسائل الماجستير والدكتوراه التي أجازتها كلية الحاسبات والمعلومات خلال عام ٢٠٢٤م

- نموذج للرسائل العلمية باللغة الإنجليزية:
- أولاً: رسائل الماجستير

Name	ID	Title	Theses	Supervisors	Year	Size	Pages	Summary
Heba Hashem Ibrahim Eldesouki.	13072009	Design and Implementation of Plagiarism Detector /	Master.-	Yousef Bassyouni Mahdy, Khaled Fathy Hussein, Mamdouh Farouk Mohamed.-	2024.	24 Cm.	80 P. ;	Detecting plagiarism is a crucial endeavor within the realm of natural language processing, particularly when dealing with Arabic text, given its intricate composition and the scarcity of accessible resources. This thesis presents an innovative approach for detecting Plagiarism in Arabic texts. The proposed approach consists of two components. The first is document retrieval through query generation which builds queries from a given suspect document and uses the web to look for source documents. Second is a similarity analysis based on sentence similarity ways used to detect Plagiarism between Arabic documents, and two methods are applied to measure the degree of textual similarity. In the first method, the AraVec pre-trained word embedding model is utilized to identify the semantic similarity between texts contained in documents. In the second method, the SequenceMatcher algorithm is utilized to determine the lexical similarity between documents. These two methods are combined to give a comprehensive assessment of document similarity. Preprocessing methods tailored to the Arabic language are used to improve the approach performance and get around obstacles related to the Arabic language.

Name	ID	Title	Theses	Supervisors	Year	Size	Pages	Summary
Fatma Elzahraa Tarek Abdelaziz.	13076100	Domination Models in Graphs for network Management on the Internet of Vehicles /	Master.-	Abdel- Rahman Hader, Mostafa K.O. Mohamed.-	2024.	24 Cm.	78 P. ;	The Internet of Vehicles (IoV) is an emerging technology that integrates the principles of the Internet of Things (IoT) into the automotive industry. It encompasses a network of connected vehicles that communicate with each other and with the infrastructure, allowing a wide range of applications that aim to improve road safety, traffic management, and overall driving experience. Using advanced communication technologies, IoV facilitates real-time data exchange between vehicles, traffic signals, road sensors, and other connected devices. This interconnected ecosystem paves the way for innovations such as autonomous driving, predictive maintenance, and enhanced navigation systems. As the automotive industry continues to evolve, the IoV is at the forefront of transforming how we interact with our vehicles and the transportation infrastructure around us.

• ثانياً: رسائل الدكتوراه:

Name	ID	Title	Theses	Supervisors	Year	Size	Pages	Summary
Talal Mohammed Meshaal Aswad Salamah Alenezi.	13076642	Development of an Enhanced Framework for Hospital Information Systems in Kuwait /	Doctor.-	Taysir Hassan A. Soliman, Amr Mohamed Abdel Aziz.-	2024.	24 Cm.	161 P. ;	<p>This thesis presents the development of an Enhanced Framework for hospital Information Systems in Kuwait, focusing on integrating Electronic health records (EHR) and machine learning (ML) techniques to advance chronic disease management. It addresses significant challenges in the healthcare sector. The thesis introduces a Kuwait-HER framework by leveraging insights from survey and real patient data from Kuwait hospitals. The Kuwait-HER framework is a health monitoring system combining real-time data collection through wearable devices, robust data strong and display on an electronic website, and advance ML predictive analytics. This integration ensure continuous patient monitoring, timely alerts for healthcare interventions, and accurate classification of chronic health conditions, ultimately improving patient outcomes and healthcare management.</p> <p>At the core of this framework, wearable devices continuously collect vital health metrics, such as vital sings and other relevant indicators. The data collected by these devices is transmitted to an electronic website, which serves as a central repository. This data displays the information for healthcare providers and patients.</p>