Department of Information and Knowledge Technologies

Introduction

About the Department of Information and Knowledge Technologies

The Department of Information and Knowledge Technologies was established as one of the departments of the College of Arts - University of Mosul in the academic year 1994-1995 under the name (Department of Libraries and Information). The main motives behind the establishment of this department were to provide specialized staff in the field of libraries and information, prepare specialized researchers in the field, prepare teaching staff to work in library science departments, enrich the Iraqi and Arab library with library and information literature through authorship, research, translation, providing technical consultations to libraries, information centers and related institutions, and exchanging training and technical expertise through cooperation and coordination with similar departments inside and outside Iraq.

In 2004, its name changed to (Information and Libraries Department).In 2021, its name was changed to (Department of Information and Knowledge Technologies).This department has continued to introduce successive developments in its teaching methods and in updating its curricula to keep pace with the scientific and technological development of the specialization in the advanced world, which is considered one of the renewable and advanced specializations that are affected by information technology applications.Artificial intelligence has become

essential in the field of libraries, in line with achieving sustainable development goals..

Based on the change in the name of the department, the name of the graduates of this department was changed from library specialists to information specialists, to open new horizons for the graduates of the department to work in state institutions that deal with paper and digital information and deal with it from

whereSelection, analysis, processing, storage, retrieval, availability and delivery to
Request it at the right time.

Vision

The department seeks to achieve leadership and excellence in the fields of education, training, knowledge production and dissemination in the field of information, libraries and community service, with a focus on integrating artificial

intelligence applications into information and library operations and serving the goals of sustainable development.,andThe department aims to reach an advanced position among the information departments andKnowledge technologiesAt the level of Iraqi and Arab universities, by qualifying information specialists to work in information institutions spread across government departments and the private sector, capable of employing artificial intelligence technologies to drive innovation and contribute to achieving development.Sustainable.

message

The message isDepartment of Information and Knowledge TechnologiesIn taking care to provide advanced programs in the various sub-specialties of the department according to scientific standards, with the aim of qualifying competent graduates who contribute to the development of society scientifically, cognitively, economically and socially., and workTo rebuild Iraqi information institutions and libraries of all kinds, with a focus on integrating artificial intelligence applications to enhance the efficiency and effectiveness of library and information services, and to support initiatives related to sustainable development., andCommitmentWith spiritual, moral, professional values, pluralism and equality in the delivery of information, considering that information is a public right for all citizens,And supporthuman rightsAnd preservationOn the Arabic language and heritage,And employmentModern technologies, including artificial intelligence, to provide the best services and

information,Also the pursuitTowards producing research that contributes to serving society, especially that which explores the role of artificial intelligence in developing libraries and supporting sustainable development goals.,In addition to providingTechnical consulting to raise the level of information institutions in society and their competencies in information, libraries, documentation, and archiving, with a focus on leveraging artificial intelligence solutions to achieve these goals..

Objectives:

The department aims to achieve the following objectives:

1. **Attracting qualified talent:**Attracting scientifically and educationally qualified personnel in the fields of information and libraries, with a focus on experience in applications.Knowledge technologies andArtificial Intelligence and Data Management to Support

Sustainable DevelopmentAccording to specifications and standardsAccredited quality in higher education in Iraq.

2. **Promoting innovative scientific research:**Promoting scientific research in the field of information and libraries to meet labor market requirements, encouraging research relevant to community programs and the needs of university institutions, and supporting future-oriented and applied research, especially that which explores the role of artificial intelligence in improving information and library services and in supporting sustainable development goals in all their dimensions (economic, social, and environmental).

3. **Continuous curriculum development:**Continuous development of curricula at the undergraduate and graduate levels, in line with contemporary and future cognitive, methodological, and technical developments, while incorporating specialized courses in artificial intelligence for libraries and knowledge management for sustainable development.

4. **Keeping pace with changing labor market needs:**Continuous development of the department to keep pace with the needs of the labor market at the University of Mosul and all information institutions across the governorate, with a focus on preparing graduates for artificial intelligence applications in libraries and information centers, and meeting the requirements of sustainable development.

5. **Promoting values and social responsibility:**To promote religious, moral, and national values among university students, foster a spirit of cooperation, a sense of responsibility, and awareness among students, encourage peaceful coexistence and acceptance of others in university life, and enhance their awareness of the importance of information as a tool for achieving sustainable development and social responsibility in the use of modern technologies, including artificial intelligence.

6. **Community service and effective partnership:**Participate in community service through direct and continuous interaction, provide scientific and technical consultations, and promote continuing education programs, particularly in the field of information technology and information systems. It also provides support and consultations related to artificial intelligence applications in information institutions and supports local initiatives for sustainable development.

7. **Qualifying specialized personnel to manage smart libraries:**Working to prepare a technical staff to manage and develop libraries and information centers in line with the scientific advancements witnessed by global libraries, particularly with regard to the application of artificial intelligence solutions to improve reference services, collection management, bibliometric analysis, and

enhancing users' access to information to support sustainable development goals.

8. **Providing specialized consulting in artificial intelligence for information:**Providing specialized scientific consultations in the field of information, libraries, and knowledge technology applications to support information institutions in the public and private sectors, with a focus on how to employ artificial intelligence to improve operational efficiency, provide innovative information services, and contribute to achieving sustainable development.

9. **Developing scientific competencies in postgraduate studies**Developing scientific competencies through postgraduate programs in the department (Master's), and encouraging university library workers to join them to obtain higher qualifications in the field of information library work, with the introduction of specialized tracks in artificial intelligence for information andKnowledge technologies, and sustainable development research.

10. **Expanding continuing education opportunities:**Launching evening classes in the department and encouraging enrollment in them. This has a significant impact on university library staff, providing them with the opportunity to gain academic qualifications to perform their assigned duties to the best of their ability, as well as developing their technical skills, particularly in the fields of artificial intelligence and its

tools, which support library work and contribute to development.

Department management

The department was managed by a group of elite academics in the College of Arts, who took over the department and developed it to reach what it is today. They are:

Duration of his tenure as head of the department	Name of the Department Head	T
1994–1995	Assistant Professor Dr. Adnan SamiNadhir Al–Zarri	1
1995–2009	Professor Dr. Mahmoud Saleh Ismail	2
2009–2013	Professor Dr. Ammar Abdul Latif Zain Al–Abidin	3
2013–2018	Professor Dr. Mahmoud Saleh Ismail	4
2018–2022	Professor Dr. Ammar Abdul Latif Zain Al–	5

	Abidin	
2022–2023	Assistant Professor RafalNizar Abdul Qader Al–Khairou	6
2023 –2025	Professor Dr. Ammar Abdul Latif Zain Al–Abidin	7
2025–present	Assistant Professor Dr. Wassan Sami Saadallah	8

Department admission plan:

The department works to attract students who graduated from the scientific and literary baccalaureate, and the admission plan is centralized. It also accepts the top students

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from the Technical Institute, Department of Libraries and Information Technology, to resume their first year. The department also has evening studies, which every student who meets the conditions for evening studies in the Faculty of Arts can apply for, according to the admission plan for the academic year.

Programs offered by the department:

1.Bachelor's Program: The department awards a Bachelor's degree in Information and Library Science after four years of study.

2.Master's Program: The department awards a Master's degree to all holders of a Bachelor's degree in Information and Library Science after two semesters of theoretical study. A topic is then assigned to the student in the sub-fields of Information and Library Science. Upon completion of writing his thesis, he is awarded a Master's degree in Information and Library Science. .

Faculty members

Table of faculty members according to degree, academic title, and general and specific specialization:

precise scientific specialization	Scientific specialization	Academic title	Certificate	Instructor's name	T
Scientific Information and Communication Services	Information and Libraries	Mr.	PhD	Ammar Abdul Latif Zain Al-Abidin	1
	Information and Libraries	assistant professor	Master's	Samia Younis Saeed Al-Khafaf	2
Computational Operations Research	count	assistant professor	Master's	HamsaMaanThabet	3
	Information and Libraries	assistant professor	Master's	RafalNizar Abdel Qader Al-Khairou	4
Traditional and electronic information sources	Information and Libraries	assistant professor	PhD	WasanSami Saadallah	5
Indexing and Metadata	Information and Libraries	teacher	PhD	Nour Fares Ghanem Al-Omari	6
Information Technology	Information and Libraries	teacher	PhD	Omar Tawfiq Abdel Qader	7
Traditional and electronic information sources	Information and Libraries	teacher	PhD	Heba Saadallah Younis Al-Mawla	8
	Information and Libraries	Assistant Professor	Master's	ShaimaHashemYousef Al-Mahrouk	9
	Information and Libraries	teacher	Master's	Sarmad Siddiq Ghazi Hussein	10
	Information and Libraries	Assistant Professor	Master's	Raafat Ragab Fathy Hussein	11

	Information and Libraries	Assistant Professor	Master's	Dima Aiden Jalal	12
	Information and Libraries	Assistant Professor	Master's	Rami Rakan Arab Hamada	13
	Information and Libraries	Assistant Professor	Master's	Asmaa Ghanem Ramadan	14
	Information and Libraries	Assistant Professor	Master's	MajdMaysar Abdel-Baqi	15

Information and Knowledge Technology Department Committees

First: The Scientific Committee

The Scientific Committee consists of the faculty members whose names are listed below:

	Academic title	the name	T
President	Mr.	Ammar Abdul Latif	1.
Member	assistant professor	Samia Younis Saeed	2.
Member	assistant professor	Hamsa Maan Mohammed	3.
Member	assistant professor	Rafel NizarAbdul Qader	4.
Member	assistant professor	Wasan Sami Saadallah	5.
Member	teacher	Nour Fares Ghanem	6.

secondly :Graduate Studies Committee:

The Graduate Studies Committee consists of the faculty members listed below:

	Academic title	the name	T
President	assistant professor	Samia Younis Saeed	1.
Member	Mr.	Ammar Abdul Latif	2.
Member	assistant professor	Wasan Sami Saadallah	3.
Member	assistant professor	Rafel NizarAbdul Qader	4.
Member	teacher	Heba Saadallah Younis	5.

Third:Examination Committee:

The examination committee consists of the instructors whose names are listed below:

	Academic title	the name	T
President	teacher	Omar Tawfiq Abdel Qader	1.
Member	teacher	Nour Fares Ghanem	2.
Member	Assistant Professor	Rami Rakan Arab	3.
Member	assistant professor	Wasan Sami Saadallah	4.
Member	Mr.	Ammar Abdul Latif Zain	5.

		Al-Abidin	

Fourth:Audit Committee:

The audit committee consists of the faculty members whose names are listed below:

	Academic title	the name	T
President	assistant professor	Rafal Nizar Abdel Qader	1.
Member	teacher	Heba Saad Allah Younis	2.
Member	teacher	Sarmed Siddiq Ghazi	3.

Fifth:Guidance Committee:

The Guidance Committee consists of the instructors whose names are listed below:

	Academic title	the name	T
President/ Females section	assistant professor	Wasan Sami Saadallah	1.
Member/ First stage	Assistant Professor	Asmaa Ghanem Ramadan	2.
Member/The second stage	Assistant Professor	Majd Maysar Abdel-Baqi	3.
Member/ Stage Three	Assistant Professor	Shaima Hashem Yousef	4.
Member/The	Assistant	Raafat Rajab Fathy	5.

fourth stage	Professor		
Member/Male Section	Assistant Professor	Rami Rakan Arab	6.

Sixth:Quality Assurance Committee:

It consists of the gentlemen whose names are listed below:

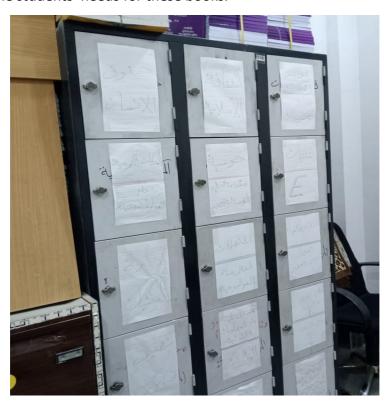|	Academic title	the name	T
President	assistant professor	Rafal Nizar Abdel Qader	1.
Member	Assistant Professor	Shaima Hashem Youssef	2.
Member	Assistant Professor	Majd Maysar Abdel-Baqi	3.

Seventh:Media Committee:

It consists of the gentlemen whose names are listed below:

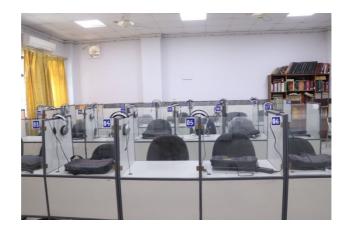|	Academic title	the name	T
President	Assistant Professor	Asmaa Ghanem Ramadan	1.
Member	Assistant Professor	Rami Rakan Arab	2.
Member	Assistant Professor	Majd Maysar Abdel-Baqi	3.

Information and Knowledge Technology Department Units

The department consists of a group of administrative units that support the administrative work within the department, which are::
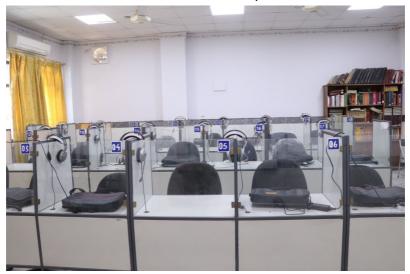
1-Free Education Unit: The Free Education Unit works to provide textbooks that support the curricula. The College Deanship has worked to provide sufficient numbers of these books to cover the students' needs for these books.

2-**Laboratories:** The department has scientific laboratories that support the educational process and scientific research within the department. Students are taught the practical side of the academic subjects that are taught to students during the four academic years that the student spends in the department. It is worth noting that most of the academic subjects include practical application, especially there is a subject in the third and fourth grades that teaches practical application. The Faculty of Arts library is also used for this application. The central library and the college library are considered large laboratories for the department's students. These laboratories available in the department are as follows::

- Information Technology Lab: It contains a set of laptop computers that students can use in practical lectures on the curricula for all academic levels in the department..

– Technical Procedures Lab (Department Library): Due to space constraints, the Technical Procedures Lab and the Department Library were merged. The idea of establishing a library within the department is very important for the practical application of the academic subjects taught there. In addition, it provided the department's students with various information sources they need in preparing their practical assignments and scientific research, whether at the graduation or master's level. The library contains more than 279 books and magazines in Arabic and 304 books and magazines in English, in addition to theses of the department's graduates and multiple copies of fourth-year

graduation research from previous years. It provides internal and external loan services for the library's collection.