Republic of Iraq
Ministry of Higher Education & Scientific Research
Supervision and Scientific Evaluation Directorate Quality Assurance and Academic Accreditation

Academic Program Specification Form For The Academic

University: Al-Zahrawi University
College Department:
Department of Artificial Intelligence
Date of Form Completion:1/3/2026

Dean 's Name
Date:1/3
Signature

Dean 's Assistant for Scientific Affairs
Date:
Signature

Head of Department
Date:
Signature

Quality Assurance and University Performance ManagerDate: / /
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It is supported by a specification for each course that contributes to the programme.

1. Teaching Institution	Al-zahrawi university
2. University Department/Centre	Department of Artificail Intelligence
3. Programme Title	Artificail Intelligence
4. Title of Final Award	Bachelor Degree in Artificial Intelligence
5. Modes of Attendance offered	Morning study
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	

9. Aims of the Programme

1. To prepare graduates with a solid scientific foundation in artificial intelligence, machine learning, and data science.

2. To develop students' skills in data analysis, algorithm design, and building intelligent systems capable of solving real-world problems.

3. To promote scientific research in the fields of artificial intelligence and its various applications, contributing to the advancement of scientific knowledge.

4. To cultivate students' analytical and creative thinking and empower them to design innovative solutions using modern technologies.

5. To support collaboration with academic and industrial institutions to implement artificial intelligence technologies in diverse fields such as health, education, and industry.

6. To prepare qualified personnel capable of contributing to digital transformation and developing intelligent systems in governmental and private institutions.

7. To promote adherence to professional ethics and the ethics of using artificial intelligence, ensuring the responsible use of technology.

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Knowledge and Understanding

Understanding the fundamental concepts of artificial intelligence, machine learning, and data processing.

• Familiarity with the algorithms and models used in building intelligent systems.

B. Subject-specific skills

Working within a multidisciplinary team to develop technology projects.

• Scientific communication, report writing, and research in the field of artificial intelligence.

• Adherence to ethical principles in the use of technology and artificial intelligence.

Teaching and Learning Methods

• Practical laboratory sessions
• Programming and software training
• Project-based learning
• Group discussion and teamwork
• E-learning and online resources
• Research and self-learning
• Problem-solving activities

Assessment methods

• Practical exams
• Programming assignments
• Projects and presentations
• Quizzes and short tests
• Laboratory reports
• Class participation

C. Thinking Skills

Analyzing complex problems and designing solutions based on artificial

intelligence techniques. • Evaluating different models and algorithms and selecting the most suitable one for practical applications.

D. General and Transferable Skills (other skills relevant to employability and personal development)

- Data analysis and problem-solving skills
- Teamwork and communication skills
- Ability to use modern technologies
- Research and self-learning skills
- Project management skills
- Critical thinking and decision making

11. Programme Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
1	ZU-SC-AI-1A-PR	Programming fundamention		
	ZU-SC-AI-1A-pr	Principles of information technology		
	ZU-SC-AI-1A-MA	Math for AI		
	ZU-SC-AI-1A-Ld	Logic design		
	ZU-SC-AI-1A-PS	Problem solving in AI		
	ZU-SC-AI-1A-ARB	Arabic		

12. Personal Development Planning

Orienting new faculty members aims to familiarize them with the university's systems and academic regulations, as well as the approved teaching methods, which helps them perform their duties efficiently. It also contributes to developing their teaching and research skills and enhancing their integration into the university environment effectively.

13. Admission criteria .

According to the Admission Guide of the Ministry of Higher Education and Scientific Research

14. Key sources of information about the programme

Books
Research
Journals and seminars specializing in artificial intelligence

Curriculum Skills Map																			
please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																			
				Programme Learning Outcomes															
Year / Level	Course Code	CourseTitle	Core (C) Title or Option (O)	Knowledge and understanding				Subject-specific skills				Thinking Skills				General and Transferable Skills (or) Other skills relevant to employability and personal development			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
	ZU-SC-AI-1A-PR	Programming fundamention	c	*	*			*	*			*	*						
	ZU-SC-AI-1A-pr	Principles of information technology	s	*	*							*	*						
	ZU-SC-AI-1A-MA	math	c																
	ZU-SC-AI-1A-Ld	Logic design	s	*	*							*	*						
	ZU-SC-AI-1A-PS	Problem solving in AI		*	*			*	*			*	*						
	ZU-SC-AI-1A-ARB	Arabic		*	*							*	*						