

Form 4.1

Faculty member:

Course: Artificial Intelligence- CS370D

Learning outcomes (National Qualifications Framework)

م	Domains of learning	Teaching methods	Assessment methods
1	Knowledge		
1.1	Recognize the basics of Artificial Intelligence technology, Agents and its types	1. Class lectures, and lecture notes, are designed to achieve the course objectives 2. Student should read the assigned chapters before classes. 3. Student is responsible for all material covered in the class.	-Class participation -quizzes - exams
1.2	Discuss the benefits of various problem Solving Techniques in AI		
1.3	Identify and understand constraint based Problem Solving		
1.4	Create AI statements using predicate, propositional, first order and other logic representations		
1.5	Understand and Explain different knowledge representation , events and objects.		
1.6	Demonstrate the ability to construct, analyze and evaluate various forms of learning and learning strategies		
1.7	create programs on problems of AI using PROLOG.		
2	Cognitive Skills		
2.1	Ability to explain the concepts of AI	1. Instructors should teach students how to study, analyze, and think attentively and critically.	Class participation, Research paper, Oral presentation. Midterm and final exam

2.2	Interpret the properties of predicate logic	<p>2. Instructors should teach students to think independently and engage in group discussions.</p> <p>3. Encouragement of students to be creative in their presentation.</p> <p>4. Teaching students to analyze data in an intelligent way or AI way.</p> <p>5. Teaching students how to use AI tools.</p>	
2.3	Ability to explain the concepts, terminology and forms of knowledge representation		
2.4	Ability to think and learn the strategies of AI that are useful for learning different types of systems and classify the types of learning systems logically, and analytically.		
2.5	Ability of deduce and inference whether a problem is AI solvable or not		
3	Interpersonal skills and responsibility		
3.1	Participate in class discussion	<p>1. Instructors should teach students how to manage time.</p> <p>2. Discussing with students on ethical behavior.</p> <p>3. Individual counseling on research projects and scientific writing</p>	<p>1. Active class participation reflects the students' ability to keep up with the tasks schedule.</p> <p>2. Research project will attest to the student's ability to fulfill assignments and respect deadlines.</p> <p>3. Performance on midterms and final exams are evidence of the student's ability to recollect and synthesize information.</p> <p>4. Instructor's assessment of student's performance and seriousness during individual supervision hours.</p>
3.2	Act responsibly and ethically in carrying out tasks individually as well as group.		
3.3	Demonstrate punctuality, efficient time management, task handling, as well as problem analysis and solving skills.		

4	Communication skills and technology, information, and numerical skills		
4.1	Search for (hard and soft) material.	1. Encourage students to use different references.	1. Adopt the effective way to use information and communications technology.
4.2	Design capabilities when building programs to solve AI problems Design capabilities when building programs to solve AI problems	2. Use presentation software (PowerPoint) or other application when giving presentations. 3. Use different styles of references and various scientific journals....etc.	2. Adopt the effective way to use their knowledge of representing a program/problem in AI form.
5	Psychomotor Skills		
		Not applicable	Not applicable