CPCS-433 Syllabus

Catalog Description

CPCS-433 Artificial Intelligence Topics
Credit: 3 (Theory: 3, Lab: 0, Practical: 0)
Prerequisite: CPCS-331
Classification: Elective

The objective of this course is to explore recent topics related to Artificial Intelligence and the latest advances in this field.

Class Schedule

Meet 50 minutes 3 times/week or 80 minutes 2 times/week

Lab/Tutorial 90 minutes 1 times/week

Textbook

David Callear, , "Prolog Programming for Students", Burns & Oates;(2001-01)

ISBN-13 9780826454966 **ISBN-10** 0826454968

Grade Distribution

Week	Assessment	Grade %

Topics Coverage Durations

Topics	Weeks
Overview of intelligent systems	1
Expert systems	2
Evolutionary computation	3
Fuzzy logic	3
Neural networks	2
Natural language processing	2
Recent trends in AI	1

Last Articulated

Relationship to Student Outcomes

a	b	c	d	e	f	g	h	i	j	k
x	x								x	

Course Learning Outcomes (CLO)

By completion of the course the students should be able to

1. To be able to identify the AI fields of application. ()
2. To be familiar with the expert systems methodology. ()
3. To understand the mathematical foundations of Neural Networks. ()
4. To understand the mathematical foundations of Fuzzy Logic. ()
5. To be familiar with the hybrid expert systems. ()
6. To be able to develop an AI system in one of the following areas, Disease Diagnosis and Treatment, Automatic plotting, Pattern Processing ()

Coordinator(s)