CPCS-432 Syllabus

Catalog Description

CPCS-432 Artificial Intelligence (II)
Credit: 3 (Theory: 3, Lab: 0, Practical: 0)
Prerequisite: CPCS-331
Classification: Elective

The objective of this course is to explore advanced topics concerning Artificial Intelligence and to cover programming language related to AI.

Class Schedule

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

Lab/Tutorial 90 minutes 1 times/week

Textbook

Michael Negnevitsky, , "Artificial Intelligence", Pearson Education; 2 edition (2005)

ISBN-13 9780321204660 **ISBN-10** 0321204662

Grade Distribution

Week	Assessment	Grade %
16	Exam	30

Topics Coverage Durations

Topics	Weeks
Intelligent computer applications such as computer vision	3
Recognition and image processing	3
Advanced topics related to expert systems	3
Expert systems advanced applications	3
LISP and PROLOG programming languages	2

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 familiar with different Artificial Intelligence Models such as, Computer vision, Image processing, Voice processing. ()
2. To be able to deal with different media such as voice and image. ()
3. To be able to model expert systems. ()
4. To be able to recognize the relationship between the different AI techniques. ()
5. To be able to build a small project using one of the AI techniques. ()

Coordinator(s)