CPIT-445 Syllabus

Catalog Description

CPIT-445   Knowledge Engineering
Credit: 3 (Theory: 3, Lab: 0, Practical: 1)
Prerequisite: CPIT-440
Classification: Elective

The objective of this course is to explore the different knowledge extraction methods and its representation techniques as well as knowledge engineering. It also introduces the different basic artificial intelligence theories that qualify the students to understand the contents of the course.

Class Schedule

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

Lab/Tutorial 90 minutes 1 times/week

Textbook

Guus Schreiber, , "Knowledge Engineering and Management", MIT Press;(2000)

ISBN-13 9780262193009   **ISBN-10** 0262193000

Grade Distribution

Week	Assessment	Grade %

Topics Coverage Durations

Topics	Weeks
Defining the concepts of knowledge and its types.	0
Systems engineering and knowledge management.	0
Methods of extracting knowledge.	0
Representation and structure of knowledge.	0
Citation and commentary.	0
Tools to build knowledge systems.	0
Knowledge maintenance.	0

Last Articulated

Relationship to Student Outcomes

a	b	c	d	e	f	g	h	i	j	k	l	m	n

Course Learning Outcomes (CLO)

By completion of the course the students should be able to

1. Understand the theories and techniques of knowledge management. ()
2. Develop the ability to effectively organize and manage knowledge resources in organization. ()
3. Design and implement knowledge management systems. ()
4. Understand and practice on knowledge management tools and applications. ()

Coordinator(s)