

CPIT-430 Syllabus

Catalog Description

CPIT-430 Decision Support Systems

Credit: 3 (Theory: 3, Lab: 0, Practical: 1)

Prerequisite: CPIT-330

Classification: Elective

The objective of this course is to explore the concept of decision support systems and components. It gives knowledge of decision-making models under different circumstances, as well as to identify the intelligent systems and their role in the process of decision support. It also teaches how to deal with crises and disasters using decision support systems.

Class Schedule

Lab/Tutorial 90 minutes 1 times/week

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

Textbook

Ramesh Sharda, Dursun Delen, Efraim Turban, J. E. Aronson, Ting-Peng Liang, , "Business Intelligence and Analytics", Pearson Higher Ed; 10 edition (2014)

ISBN-13 9780133050905

ISBN-10 0133050904

Grade Distribution

Week	Assessment	Grade %
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Topics Coverage Durations

Topics	Weeks
Scientific method of decision making.	0
Frameworks to support decision-making techniques.	0
The basic element of the process of decision support systems.	0
Models of decision making under conditions of full knowledge, risk or uncertainty.	0
The relationship between the decision and the level of performance.	0
The basic components of helping systems in decision making: the computer specialized databases to support decision – making-intelligent system to aid in decision support systems-expert systems support in decision-making.	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. Explore various frameworks for decision support systems techniques. ()
2. Describe element and techniques of the basic components of decision support systems. ()
3. Deal with crises and disasters using decision support systems. ()
4. Use Scientific simulator models based on decision support multiple examples. ()

Coordinator(s)