CPIT-435 Syllabus

Catalog Description

CPIT-435 Needs Assessment and Technology Evaluation
Credit: 2 (Theory: 2, Lab: 0, Practical: 1)
Prerequisite: CPIT-220 , CPIT-250
Classification: Department Required

The objective of this course is to explore the methods of identifying organizational needs. Topics include the types of the questions expected in personal interviews, the needed skills in how to identify and assess appropriate technology to meet the needs of the business, and how to follow up, make changes, and find updated technical solutions with the development and renewal requirements in the future.

Class Schedule

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

Lab/Tutorial 90 minutes 1 times/week

Textbook

Kathy Schwalbe, , "Information Technology Project Management", Course Technology Ptr; 4 edition (2006)

ISBN-13 9781285452340   **ISBN-10** 1285452348

Grade Distribution

Week	Assessment	Grade %
6	Exam 1	15
12	Exam 2	15
13	Graded Lab Work	10
14	Group Project	20
16	Exam	40

Topics Coverage Durations

Topics	Weeks
Introduction to Project Management	1
Project Management in IT context	1
Project Scope Management	1
Project Time Management	1
Human Resource Management	1
Requirements Determination	1
Testing and Change Management	1
Evaluating Outcome of Information System	1

Last Articulated

May 3, 2018

Relationship to Student Outcomes

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

Course Learning Outcomes (CLO)

By completion of the course the students should be able to

1. Analyze the growing need an organization with respect to project management (g)
2. Apply project management to other dispclines to acquire specialization (i)
3. **Evaluate IT project management, systems view of project managent and the different organizational structures. (i)**
4. Determine different phases of the project and key attributes of a project manager (m)
5. **Evaluate project scope management and different criterion for selecting a project and write project scope statement. (n)**
6. Determine the process of project scope definition, WBS with different analogies and how to control scope creep (g)
7. **Evaluate the activities for project schedule development and apply different techniques that are used by project managers (m)**
8. Employ project time management to critical path analysis, PERT techniques and performing reality checks (i)
9. Discover the importance of project human resource (HR) management, and the importance of different HR theories by key researchers (m)
10. Apply organizational planning, the issues and evaluation of load assignment and importance of reward system (i)
11. Differentiate between different types of software system requirements and the process of requirements management (i)
12. Evaluate different methods of requirements elicitation and their management. (m)
13. **Implement the process of test-driven development and proactive ways of software quality assurance (m)**
14. Design the inevitability of change and change management and traceability (i)
15. **Apply IT projects using different techniques along with the past and present techniques and how to evaluate those techniques. (n)**

Coordinator(s)

Prof. Rizwan Qureshi, Professor