Course Name : IT Project Management   **Course Code:** ITEC323

General Information						
Course Code	ITEC323	**Level/Year**	6th / 3rd	**Required (R) / Selected Elective (SE)**		nil
Credit Hours	Theory	**2**	**Lab**	**2**	**Total**	**3**
Prerequisites	ITEC322	**Course Coordinator**		**Mr. Abdulnasser Abdulwakil Metwally**		
Corequisites	nil	**Track Leader**		**DR. JAYABRABU**		

Course Description
This course will start commencing by reviewing management and project management principles. It continues by studying the project management knowledge areas, the triple constraint, what is a Project?, difference between Program and project, project manager, skills of project manager, system life cycle: analysis (requirements determination), Project Scope management, project time management, project cost management, project quality management, designing, implementation; system and database integration issues; network management; project tracking techniques, metrics, and system performance evaluation; managing expectations of managers, clients, team members, and others; determining skill requirements and staffing; cost-effectiveness analysis; reporting and presentation techniques; management of behavioural and technical aspects of the project; change management. This also includes project risk management, project procurement management, project communications management, project human resource management. This course teaches about software tools for project tracking and monitoring. Team collaboration techniques and tools. In addition, this course will introduce students to project-time scheduling methods. Students will be trained on some software tools such as: MS project, and MS Visio Software.

Course Objectives : On completion of the course, the student will be able to:

- **Design** effective project development and implementation plans for information systems.

- **Apply** project management tools, techniques, and methodologies within the context of real-world IT projects.

- **Initiate**, **plan**, **execute**, and **evaluate** the phases of an IT project, including project closure and post-implementation review.

- **Determine** user requirements and system specifications for multi-user database-driven information systems.

- **Explain** the evolving leadership roles and strategic importance of IT project management in modern organizations.

- **Evaluate** the processes involved in the formulation of organizational policies, procedures, and standards related to information systems.

Course Contents

List of Topics	Weeks
UNIT 1: Introduction to Project Management	1,2
UNIT 2: Project Management and Information Technology Context	3,4
UNIT 3: Project Integration Management	5,6,7
UNIT 4: Project Scope, Time and Cost Management	8,9,10
UNIT 5: Project Quality Management	11,12.13

UNIT 6: project Human Resource _ Communications Management	14,15

Textbook

- Kathy Schwabe: Information Technology Project Management, Edition 6e 2011,, Publisher: Course Technology

Reference Materials

- John McManus, Trevor Wood-Harper "Information Systems Project Management: Methods, Tools and Techniques", 2003, ISBN: 0273646990.

Course Learning Outcomes

CLO	Description	Mapped PI
CLO#01	understand the basic concepts of projects, project management, and recent trends of using formal project management techniques.	PI 1.1
CLO#02	Design and implement realistic plans, schedules & estimates by using formal methods to manage projects effectively.	PI 1.2 PI 2.1
CLO#03	Write project documentation, communicate project status and Demonstrate constructive feedback.	PI 3.1
CLO#04	Identify and ably responsibly and ethically in carrying out individual as well as group tasks.	PI 4.1
CLO#05	Demonstrate the ability to work in teams and groups to accomplish common goals.	PI 2.2 PI 4.3
CLO#06	Make informed decisions about finishing and closing projects.	PI 4.4

CLO-PI-SO Mapping

	SO-1	SO-2	SO-3	SO-4	SO-5	SO-6
CLO#01	PI 1.1	-	-	-	-	--
CLO#02	PI 1.2	PI 2.1	-	-	-	-
CLO#03	-	-	PI 3.1	-	-	-
CLO#04	-	-	PI 4.1	-	-	-
CLO#05	-	PI 2.2		PI 4.3	-	-
CLO#06	-	-	-	PI 4.4	-	-