



Software Project Planning Course

Avoid software crisis

By Dr. Leah Goldin

Introduction:

The main process of building a software product is called product lifecycle because it describes the life of that product from conception to maintenance via design, implementation, delivery and use. It guides our actions by allowing us to examine, understand, control and improve the activities that are involved with the software development.

This course introduces the concepts and methods required for effective and efficient software project planning, the critical area where project management meets software system development. It aims to develop a broad understanding of software planning processes including scheduling, cost estimation and risk management, and complements this with a detailed knowledge of techniques in an appropriate engineering and management context.

Objectives:

At the end of this course attendees will be able to:

- Understand software lifecycle models tasks
- Plan software projects and schedule tasks
- Estimate development costs
- Identify software development risks

Audience:

Project Managers, System and Software Engineers, R&D Managers

Challenges & Methods:

- Software development context and concepts

How to establish a disciplined software engineering process, necessary for the development of the desired product.

- Software project planning and schedule

The primary goal of managing a project is organizing the tasks and resources of people and equipment in order to achieve the timelines of the project.

- Software project risk management

Understand the concepts of risk assessment and risk control in software system projects



Agenda:

- Software Crisis and Software Engineering Basic Concepts
- Embedded Software & System Engineering
- Software Products and Software Production (development)
- Software Life Cycle Models
- SW International Standards for software project management
- Project Planning and Scheduling
- Software Development Costing
- Risk Management

About the Instructor:

Leah Goldin, CEO of Golden Solutions <http://thegoldensolution.com/>

Dr. Goldin is an independent consultant specializing in Requirements Engineering, System Engineering and Software Engineering, Process and Quality.

In her career, Dr. Leah Goldin developed embedded systems, and filled various management and technical roles, including development, verification and integration, SQA and process improvement. The companies she has worked for include Rafael, IAI, MBT, Comverse, NICE Systems, NDS, Sapiens, Mercury/HP, Given Imaging, Orbotech, etc.

Dr. Goldin divides her time between consulting to high-tech companies and teaching; she is a senior lecturer in Afeka College at the Software Engineering and System Engineering departments, and was the Head of the Software Engineering Department at Shenkar College.

Dr. Goldin received her Ph.D. from the Technion Computer Science department, where her research focused on Requirements Engineering. She is a senior member of IEEE, and currently serves as the Chair of the Israeli Chapter of the IEEE Computer Society