

**“Successful implementation of hospital information system
(for hospital)” Training Program
(English Material)**

Course Length: 10 Hours @ 3 days

Participants will gain a thorough background in the concepts of implementing the Hospital Information System (HIS) successfully. This 10 hours course leads you be able to understand, create and track a successful strategy for such difficult process of IT project implementation. The course is based into three basic elements: preparation prior to implementation process, project management for this kind of projects and business process re-engineering (BPR).

The course will also enable you to take advantage of understanding the outsourcing concept, project brief, responsibility matrix, results of successful implementation and its impact on patient/hospital. Moreover, the participants will gain a wide knowledge about the necessarily specifications of the HIS to cope with the hospital requirements (through presenting one of the important functionalities of one of HIS package).

Learning Outcomes:

- Common problems that need to be avoided
- Preparation prior to implementation process
- Selecting the suitable HIS as per hospital requirements
- Project planning and responsibility of both sides (hospital and HIS provider)
- Different stage of the project life
- BPR concept and its obligations
- Results and impact of successful implementation
- Presentation of important functionalities of one of HIS package

Course Outline

Introduction to HIS implementation

Problem related to HIS providers/hospital management

- Four main problems related to the HIS providers
- Nine main problems related to the hospital management
- Triangle constraints

Outsourcing approach

- Outsourcing reasons:

- Organizationally driven reasons
- Improvement driven reasons
- Financially driver reasons
- Revenue-driver reasons
- Cost driven reasons
- Employee driven reasons

Hospital consideration prior to HIS implementation

- Integrate knowledge of information technology
- Define its requirements
- Define the scope of the project

Responsibility matrix between the HIS provider and the hospital

- What activities have to be done by the hospital and which have to be accomplished by the HIS provider

Reviewing the project brief

- Project initiation
- Scheduling and planning
- Budget sheet
- Resource cost
- Monitoring and controlling the project live, including the controlling parameters
- Measuring the planned and unplanned activities
- How to handle the contingency plan
- Roles of the project management

Database & ERD

- Database (Engine & Structure)
- ERD
 - One-to-one
 - One-to-many
 - Many-to-many

Business process re-engineering (HIS provider and hospital sides)

- What is the BPR?
- What are the driving forces of the BPR?
- BPR and TQM
- BPR Assessment Scheme
- How to build a BPR model
- Case study (main seven areas of the hospital)

Results of successful implementation

- Measurements
- Results of the project brief
- Results of prior preparation
- Results of providing BPR models prior to implementation
- Impact on patient/hospital