

CORE COURSE VIII - HOSPITAL INFORMATION SYSTEM

Objective: The Course is intended to provide theoretical knowledge about the modern trends in information system and to develop skill to create hospital information system by analyzing available models.

Unit-1

HIS - introduction - meaning - concepts - its application to the organization - different computer languages - (practical MS office).

Information system for decision making - its relevance to hospital design - confidentiality- security - privacy of HIS.

Unit-2

Structure of HIS - formal & informal system - information networks - operational functions - information requirements - modularity concepts.

Control and information - information for operational control - financial - material - other resources - information for management planning and control.

Unit-3

Approaches to the development of HIS - bottom approach - top - down approach - process/procedure/form driven methods - quantitative methods - automated procedures.

Unit-4

HIS Design - define the problem - set objectives - information needs - information sources - development and selection of alternative gross design - document the system concepts -

Unit-5

System information services: Information centers - Current Awareness Services (CAS) - Selective Dissemination of Information (SDI) - online - offline - information services - online services in medical science.

References:

Gorden B. Davis & Margrath H. Osmon: Management information system - Conceptual Foundation, Structure and development., Mc Graw Hill Book Co.

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Griesser G et al Data Protection in Health Information system - Considerations and Guidelines.

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