Training Course:
Health Informatics

11 - 15 August 2025
Kuala Lumpur (Malaysia)
Royale Chulan Kuala Lumpur

Introduction

Health Informatics is a rapidly evolving field that plays a critical role in improving patient outcomes, increasing healthcare efficiency, and reducing costs. The use of healthcare information technology and healthcare data analytics has transformed healthcare delivery, creating opportunities for healthcare providers to deliver patient-centered care while improving health outcomes. This training program is designed to provide participants with a comprehensive understanding of Health Informatics, its applications, and its importance in healthcare delivery.

Objectives

Understand the historical development of Health Informatics and its importance in healthcare delivery

- Describe the components and functionality of healthcare information systems

- Analyze the applications of Health Informatics in healthcare delivery and patient outcomes

- Evaluate the ethical, legal, and social issues in Health Informatics

- Apply Health Informatics concepts and methodologies to improve healthcare delivery and patient outcomes

Methodologies

- Online self-paced modules

- Instructor-led training sessions

- Interactive case studies and group discussions

- Relevant books, journals, and online resources

Target Audience

- Physicians and nurses

- Healthcare administrators and managers

- Health Information Management professionals

- Healthcare IT professionals

- Healthcare data analysts and researchers

Course Outlines

Introduction to Health Informatics

- Overview of Health Informatics and its historical development

- Importance of Health Informatics in healthcare delivery and patient outcomes

- Understanding of healthcare information systems, their components, and their functionality

- Key stakeholders in Health Informatics and their roles

- Ethical, legal, and social issues in Health Informatics

Health Information Management

- Electronic Health Records EHRs and their implementation

- Health Information Exchange HIE and interoperability

- Data Governance and Data Quality assurance

- Health Information Privacy and Security, and regulatory compliance

- Clinical Decision Support Systems CDSS and their applications in clinical decision making

Healthcare Analytics and Business Intelligence

- Introduction to Healthcare Analytics and Business Intelligence and their applications in healthcare

- Data Analytics and Data Mining, and their application in healthcare data analysis

- Predictive Analytics and its applications in clinical decisdecision-making patient outcomes

- Performance Management and Quality improvement through data analysis

- Healthcare Information Dashboards and their development and use in healthcare organizations

Health Information Technology HIT Infrastructure

- Overview of HIT Infrastructure and its importance in healthcare delivery

- Health Information Exchange HIE and its implementation challenges

- Health Information Technology Standards, their development, and their implementation

- Health Information Technology Policy, and its impact on HIT infrastructure and healthcare delivery

- Health Information Technology and Interoperability, and their applications in healthcare delivery

Health Informatics Applications

- Telemedicine and Telehealth, and their applications in healthcare delivery and access

- mHealth Mobile Health, and its impact on patient outcomes and engagement

- Remote Patient Monitoring, and its applications in chronic disease management

- Personal Health Records PHRs, and their role in patient-centered care

- Patient Portals, and their impact on patient engagement and access to healthcare information

Future of Health Informatics

- Artificial Intelligence AI and Machine Learning ML, and their applications in healthcare delivery and data analysis

- Internet of Things IoT in Healthcare, and its impact on patient care and outcomes

- Blockchain and Distributed Ledger Technology, and their applications in healthcare data security and privacy

- Precision Medicine and its applications in personalized patient care

- Patient-Centered Care, and its role in healthcare delivery and patient outcomes

Registration form on the Training Course:
Health Informatics

Training Course code: HE235001 From: 11 - 15 August 2025 Venue: Kuala Lumpur (Malaysia) - Royale Chulan Kuala Lumpur Training Course Fees: 6000 ⃝ Euro

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