Certified Courses

Professional Certificate

Digital Healthcare

INTRODUCTION

- As information technology becomes more integral to healthcare, the demand for health professionals who can fully utilize and add value to clinical and public health data is growing. In order to have a modern healthcare facility, you will need to adapt e-Health system to enhance efficiency and able to lead the necessary changes to adapt new innovation by implementing the latest digital healthcare technology.
- Digital health is all about the development of interconnected health systems to improve the use of computer technologies, smart devices, analysing techniques and communication media to aid healthcare professionals and patients manage illnesses and health risks, as well as promote health and wellbeing. Participants will learn core concepts and digital healthcare related to the design, integration, implementation and evaluation of clinical information systems.

Participants on Digital Healthcare: Technology, Innovation & Change training course will develop the following competencies:

- Know what is meant by Digital Healthcare
- Increase knowledge and use of digital hospital
- Use Clinical Decision Support
- Enhance hospital efficiency by applying e-Health system
- Manage of Transmission of Images and Patient Data
- Be aware of the minimum equipment requirements
- Adapt changes and how to manage it

PROGRAMME OBJECTIVES

The primary objective of Digital Healthcare: Technology, Innovation & Change training course is to enhance the healthcare professionals' skills and knowledge in clinical data and terminological systems. Attendees will also be able to:

- Understand clinical workflows, medical decision making, and the application of decision support as a supplement to clinical judgment
- Acquire conceptualizing data models, workflows and decision support tools
- Gain insights into the change management principles necessary for successful technology adoption at the organizational and systems levels
- Understand the concept & elements of e-Health
- Expand leadership styles when there are changes in people and conditions
- Apply the Innovation Process and steps
- Adapt and develop effective Innovation strategies
- Understand some of the health informatics issues

WHO SHOULD ATTEND?

The Digital Healthcare: Technology, Innovation & Change training course is ideal for all professionals involved in the technological healthcare / hospital operations, such as:

- Operations Team
- Quality Officers
- CIO and Department Head
- Nurses and Patient Safety Officer

TRAINING METHODOLOGY

- The Digital Healthcare: Technology, Innovation & Change training course will combine presentations with interactive practical exercises, supported by video materials, activities and case studies. Delegates will be encouraged to participate actively in relating to the unique health informatics to the particular needs of their hospital use.

PROGRAMME SUMMARY

- Innovation is the ability to propose new or multiple approaches to solving problems or executing processes more efficiently and effectively and is open to similar suggestions from others. By the end of this training course, delegates will be able to know what is meant by Digital Healthcare and how to utilize digital healthcare facility.
- This Digital Healthcare: Technology, Innovation & Change training course will also provide participants ways to guide or inspire others, through the creative thinking process by eliminating rules and barriers and give participants ways to take calculated risks without a fear of failure.

PROGRAM OUTLINE

Digital Healthcare

- Identifying the healthcare problem
- Evaluating the digital solution and generating evidence
- Supporting the digital innovation
- Healthcare digital future
- Calculated risks
- Data and tools
- Financial impact of digital transformation
- Translate digital ambitions into resource allocations
- Top Five Digital Transformation Trends in Healthcare
- Digital Healthcare: What Are the Opportunities?

Digital Healthcare Domains

- Assistive technologies and rehabilitation robotics
- Clinical decision support
- Computational simulations, modelling and machine learning approaches
- e-Health
- Healthcare technology assessment and monitoring
- Health systems engineering
- Human-computer-environment interactions
- Information management and policy
- Virtual reality, video gaming rehabilitation, and serious games
- Telehealth, telemedicine, telecare, tele-coaching and tele-rehabilitation

Digital Health Analysis and Design

- Decisions Determine Data
- Clinical Decision Support
- Public Health Informatics
- Enterprise Architecture
- Consumer Health Informatics
- Encourage open systems
- Telemedicine Concept
- Factors Influencing the Future of Telemedicine
- Digital Hospital
- Future of Telemedicine Technology

e-Health

- Telehealth / Consumer Health / Mobile Technology
- Computer Security and Privacy in Healthcare
- Audio / Video Conferencing
- Approaches to deliver Telepathology Consultations
- Market Forces in Healthcare
- Digital Health Security Concerns

Change Management Process, Tools & Techniques

- Change concept and Change Types
- Reasons for the change failure
- Change Techniques
- Phases of Change
- Categories of Resisters
- Help employees develop effective change management strategies
- Implementation Tools
- Top Ten Barriers to Success
- Overcoming Resistance and Increasing Commitment
- Change Management Models: Lewin's Kotter – ADKAR

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