Mindluster Platform

# About the course Medical devices and communications

### Course Presenter : Ø§Ù„Ù…Ø¹Ù‡Ø¯ Ø§Ù„ÙˆÙ†ÙŠ Ø§Ù„ØµØ

Medical devices and communications, This course provides an in-depth understanding of the role of medical devices and communication systems in modern healthcare. Learners will study the design, function, and safe use of essential devices such as patient monitors, ventilators, infusion pumps, defibrillators, and imaging tools. The course emphasizes how communication technologiesâ€”ranging from hospital networks to telemedicine platformsâ€”support timely decision-making, coordination between healthcare teams, and improved patient outcomes. Participants will also explore standards for interoperability, data transmission, and the integration of medical devices with electronic health records. Key topics include safety regulations, maintenance practices, and cybersecurity challenges in connected health systems. Practical examples and case studies highlight how effective device management and communication systems enhance emergency response, critical care, and routine clinical workflows. By the end of the course, learners will be prepared to optimize the use of medical technology and communication tools in diverse healthcare environments. Ø§Ù„Ù…Ø¹Ù‡Ø¯ Ø§Ù„ÙˆÙ†ÙŠ Ø§Ù„ØµØ

**Languages in Arabic Category's Courses**

# Course Lesson(9)

Lesson 1 :
**Medical Devices communications ch1 Ambulance Medical Equipment part 1 Ù…ÙƒÙ†Ù†Ø§Øª Ø³ÙŠØ§Ø±Ø© Ø§Ù„Ø¥Ø³Ø¹Ø§Ù Ø¬1**

Lesson 2 :
**Medical Devices communications ch1 Ambulance Medical Equipment part 2 Ù…ÙƒÙ†Ù†Ø§Øª Ø³ÙŠØ§Ø±Ø© Ø§Ù„Ø¥Ø³Ø¹Ø§Ù Ø¬2**

Lesson 3 :
**Medical Devices communications ch2 Wireless Medical Technologies Ø§Ù„Ø£Ø¬Ù‡Ø²Ø© Ø§Ù„Ø·Ø¨ÙŠØ© Ø§Ù„Ù„Ø§Ø³Ù„ÙƒÙŠØ©**

Lesson 4 :
**Medical Devices communications ch3 Introduction to Communications part 1 Ù…Ù‚Ø¯Ù…Ø© Ø¹Ù† Ø§Ù„Ø§ØªØµØ§Ù„Ø§Øª Ø¬Ø²Ø¡1**

Lesson 5 :
**Medical Devices communications ch3 Introduction to Communications part 2 Ù…Ù‚Ø¯Ù…Ø© Ø¹Ù† Ø§Ù„Ø§ØªØµØ§Ù„Ø§Øª Ø¬Ø²Ø¡2**

Lesson 6 :
**Medical Devices communications ch4 Requirements of Medical Communications part 1Ù…ØªØ·Ù„Ø¨Ø§Øª Ø§Ù„Ø§ØªØµØ§Ù„Ø§Øª**

Lesson 7 :
**Medical Devices communications ch4 Requirements of Medical Communications part2Ù…ØªØ·Ù„Ø¨Ø§Øª Ø§Ù„Ø§ØªØµØ§Ù„Ø§Øª**

Lesson 8 :
**Medical Devices communications ch4 Requirements of Medical Communications part3Ù…ØªØ·Ù„Ø¨Ø§Øª Ø§Ù„Ø§ØªØµØ§Ù„Ø§Øª**

Lesson 9 :
**Medical Devices communications ch5 Embedded systems and Medical Devices Ø§Ù„Ø£Ù†Ø¸Ù…Ø© Ø§Ù„Ù…Ø¯Ù…Ø¬Ø©**

# Related courses

**Greek Language For Arabic**

**Czech Language For Arabic**

**Polish Language For Arabic**

**Thai Language For Arabic**

**Turkish Language For Arabic**

**Russian Language For Arabic**

for Business Contact
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