

Webinar: Understanding the role of Technology in Healthcare and the relevant Technology Learning

In line with the collaboration of MUCM and IBM, CTL had worked jointly with IBM on a short course on machine learning or most commonly known as AI (Artificial Intelligent), as well as on a module for curricular inclusion.

Why AI? AI is extremely helpful in analyzing big data sets, in another way, using AI helps pulling together patient insights and leading to predictive analysis. With this advantage of AI, it assists in obtaining patient insights quickly and aids the healthcare ecosystem to discover key areas of patient care that require improvement.

We invite interested Faculty members or students to undertake micro credential courses freely available at IBM Academic initiative portal. Below is the brief summaries on the 3 healthcare courses shared by IBM.

Foundational Courses on Disruptive Technologies

Micro-credential courses designed to provide a brief overview of the role of Cloud, Data Science and AI in **HEALTHCARE** today and its potential for the future

☐ Self-paced

☐ Free

☐ Access via IBM Academic Initiative
(ibm.com/academic)

Cloud Computing



Duration: 2 hours

Topics:

- Trends and pressures impacting healthcare
- Associated definitions, cloud delivery models and service types
- Ways that Cloud Computing can help healthcare transform
- How Cloud Computing integrates with new and emerging technologies
- Benefits of Cloud Computing

Link:

<https://ibm.biz/cloud-in-healthcare>

Data Science



Duration: 2 hours

Topics:

- Trends impacting healthcare
- How healthcare can harness data and use it
- Key definitions and how healthcare is a Big Data repository
- Analytic applications and use cases
- Associated challenges
- Big Data integration with new and emerging technologies

Link:

<https://ibm.biz/ds-in-healthcare>

Artificial Intelligence



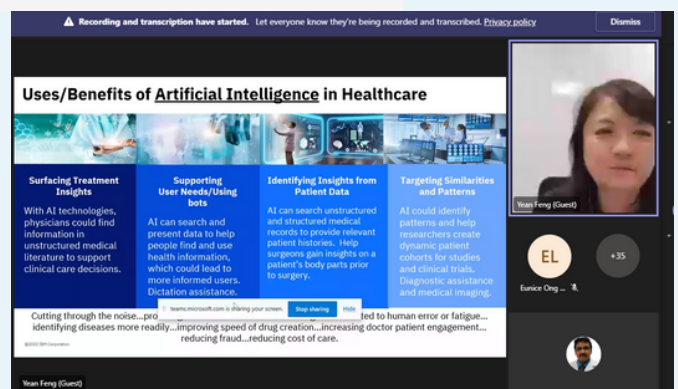
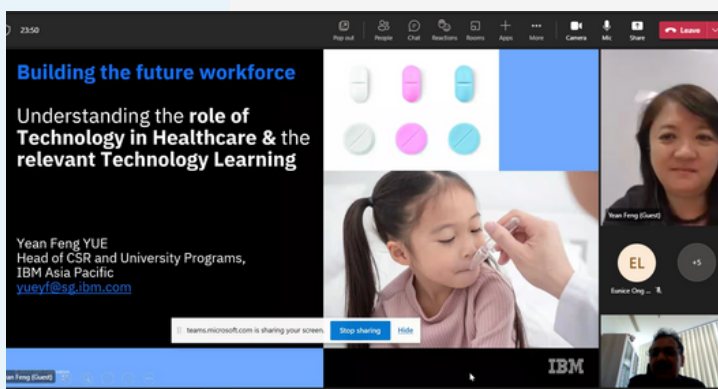
Duration: 2 hours

Topics:

- AI Landscape
- AI's building blocks
- AI's impact on healthcare
- Application of AI in use cases
- Barriers to AI adoption and challenges to AI implementation
- Critical role of ethics in AI

Link:

<https://ibm.biz/ai-in-healthcare>



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Uses/Benefits of Data Science in Healthcare

- Building Health Informatic Exchanges
- Improving Diagnostic Accuracy & Medical imaging & Clinical/drug Treatment Effectiveness
- Reducing Medical Errors
- Using Data and Insights for Decision-making/effectively using EHR data/improving patient engagement

Data is growing and moving faster than healthcare organizations can consume it and yet getting insights from the data is quite literally making the difference between life and death.

Cloud Computing is disrupting Industries

How Cloud Disrupts Industries

Industry Scenario

Problem - How can a large bank build a reliable platform?

Solution - Embrace cloud and microservices for its digital platform?

Description - Build and deploy a cloud bank capable of managing funds, transactions, and bills.

Building the future workforce

Understanding the role of Technology in Healthcare & the relevant Technology Learning

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Uses/Benefits of Cloud Computing in Healthcare

- Compliance and Data Protection
- Productivity Tools
- Data Services
- Integrated System
- Analytics/Insights

As a basic sensitization towards AI for MUCM Faculty members, CTL had organized a webinar entitled “Understanding the role of Technology in Healthcare and the relevant Technology Learning” on 28th August, 4.30pm on MS Team. The Guest of the webinar, Ms. Yue Yean Feng, is the spearhead of IBM’s Corporate Social Responsibility and University programs across Greater China, Korea, ASEAN & Australia/New Zealand. More than 40 participants participated and interacted nicely with the facilitator. The varied uses of AI in healthcare were explicitly discussed by Ms. Yue Yean Feng of IBM.

The webinar was filled with basic knowledge on machine learning / AI for healthcare professionals. More series of activities & short course on this will be coming up soon.

Basic health Professional Educators' Training: 3rd Edition



The CTL has created a module on Teaching Learning assessment as a basic level training through F2F intervention. We have completed two editions successfully by training 24 newly joined faculty members & one hospital consultant so far (Nominated by respective Deans & Head CFGS).

On 27th July – 29th July 2022, CTL had conducted the 3rd Basic Health Professional Educators' training to 15 members from the respective faculty. The participants are exposed with numerous innovative strategies to share precious experience of our educators with students. Positive feedbacks from the participants have motivated the committee members of CTL to continuously provide MUCM family with more stimulating and establishing ways of providing knowledge to MUCM students!

