

Artificial Intelligence

- It is not a new concept
- Digital technology
- Microprocessors
- Rapid change in digital technology Computing speed Capacity Capabilities
- Storage
- Intelligent systems
 Autopilot (analog) and program trading (digital)

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Artificial Intelligence In Business and Management

 The paper aims to share how artificial intelligence can be used in developing a new product or service. This paper builds the bridge to understand the applications of AI in new products or service development. It will also include a discussion on artificial intelligence and 4C's new product or service development process and presents the applications of AI in the 4Cs process.

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Artificial Intelligence & Human Intelligence

- Artificial intelligence systems are created by humans
- Systems can solve problems using logic, apply knowledge to enhance capabilities, learn and apply knowledge to produce desired outcomes, and a few other skills of the mind
- · Lacks emotions and emotional intelligence
- Systems include hardware, software, and peopleware
- Humans will hold the edge over AI capabilities because humans can learn, think, reason, use emotional energy, and solve problems

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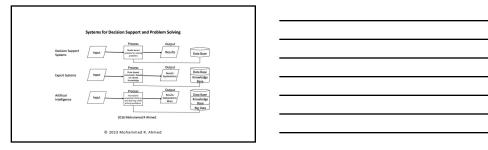
Artificial Intelligence In Business and Management

 Al systems are designed to perform specific tasks by humans to enhance the capabilities of managers in business and management decision-making, and human intelligence creates Al that helps humans to develop new and powerful systems. It is a circular function of growth.

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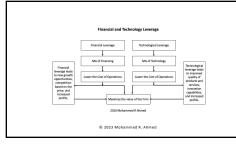
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Artificial Intelligence Leverage

 In business, we use both financial and technological leverage to generate synergy. Firms invest in technology to create leverage by reducing the cost of operations and increasing profits and cash flow. The following simple diagrams show financial and technology leverage and its impact on the firm's value.

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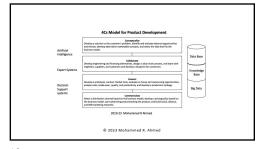


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 The proposed 4Cs NPD model includes four stages, and four steps are: 1) Conceptualize, 2) Collaborate, 3) Convert, and 4) Commercialize. The following simple diagrams show the 4Cs of New Product development.

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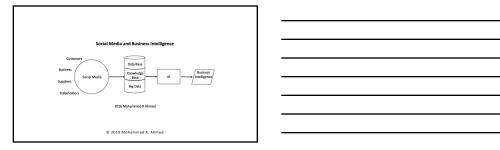


Artificial Intelligence In Business and Management

 Social media allows businesses and customers to connect twenty-four hours a day. Social media platforms enable companies to create virtual platforms, electronic communication, and share information with customers. Social media companies attract billions of people to their online platforms by making them free to access. The use of AI by social media companies to provide related customer and market information for business decisions has made them valuable business partners.

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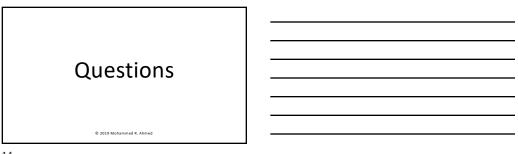


Conclusion

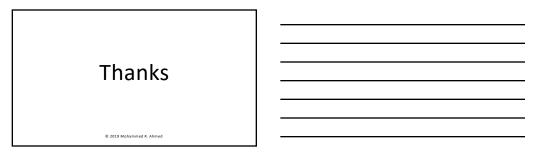
New Product Development is critical for the growth and survival of firms. It
is not merely incorporating new technologies and design and test
marketing. It involves analysis of the internal and external environment,
value chain analysis, business model alignment, the firm's strategic focus,
and collaboration of participants from other industries to develop a
product that will contribute to its growth. Incorporating Al in the model
enhances the capability and reliability of the 4Cs model in successfully
developing a new product and generating future growth. The product
developinet model with Al Systems will help management understand the
new product's potential success, and the product's potential growth based on
the new product's life cycle.

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Ahmed, Mohammed R, Simplified Business Model (April 2, 2021). Ahmed, Mohammed R, simplified Business Model Compensating (April 2, 2021). International Journal of Business Administration, Vol. 12, No. 3, pp. 36-41, 2021.

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