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# Ai for education

By group 2

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# There are many problem in current education system

The problems in the American education system have led to many social problems, including anti-intellectualism, income imbalances, and a shortage of suitable workers.



# Huge education inequality

The U.S. educational system is one of the most unequal in the industrialized world



# Lack of Capable teachers

Another big problem in education system is the lack of Capable teachers.



# Huge workload for teachers

From a recent survey, many teacher said that constantly shifting demands, increased hours, and high levels of stress are leading to burnout.



## – Personalized learning opportunity

Students often don't have the chance to access personalized learning



## – The health diet of the students

Obesity has reached epidemic proportions in students of U.S



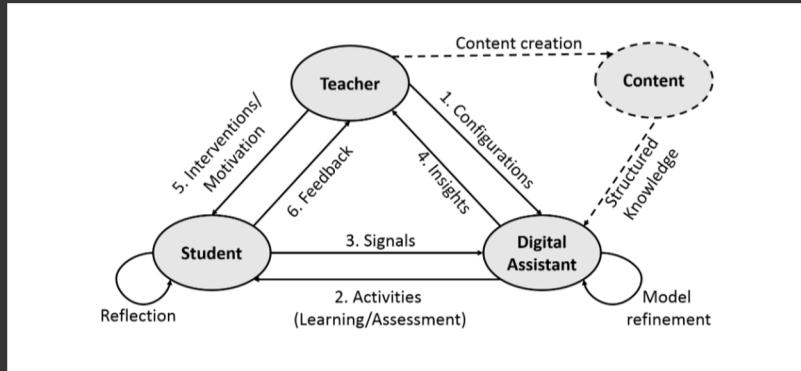
# AI in School

- Personalization of learning
- Collaborative learning
- Assessment tools
- Language learning and translation systems



# Intelligent Tutoring Systems

- Intelligent tutoring systems (ITS) have been a topic of great interest for about five decades.
- Provide a way for computing systems to autonomously teach learners by giving them immediate and personalized feedback
- Helps teachers focus their effort on critical tasks



# Smart Content

- **Content Technologies**
  - Created a suite of smart content services for secondary education and beyond
  - Cram101 uses AI to help breakdown textbook content into digestible “smart” study guide
- **Netex Learning**
  - Allows educators to design digital curriculum and content across devices
  - Provides a personalized learning cloud platform designed for the modern workplace

# Virtual Facilitators and Learning Environments

- Create virtual human-like characters
- USC Institute for Creative Technologies is the pioneer
- Captivating Virtual Instruction for Training
  - A distributed learning strategy



# AI on Behaviour Change Techniques

- Behaviour Change Techniques - motivate individuals toward healthier habits
- Scientists at UCL have teamed up with IBM researchers to use AI
- AI system:
  - Information extraction algorithms
  - Machine learning and reasoning algorithms



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