

# ARTIFICIAL INTELLIGENCE: APPLICATIONS

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ARTIFICIAL INTELLIGENCE:  
APPLICATIONS

**PREPARED FOR**

Engineering Students

All Engineering College

*(AIFE: Artificial Intelligence For Engineering)*

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# ARTIFICIAL INTELLIGENCE: APPLICATIONS

- AI is important as it can help solve difficult issues in various industries such as entertainment, education, health, commerce, transportation and utilities.
- AI applications can be divided into five categories.

# ARTIFICIAL INTELLIGENCE: APPLICATIONS

## 1) Knowledge –

- The ability to present information about the world.
- Such as financial market trading, purchase prediction, fraud prevention, drug manufacturing, medical diagnosis, media recommendation, etc.

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## 2) Thought –

- Ability to solve problems through reasoning deduction.
- Such as financial asset management, legal valuation, financial application processing, autonomous weapon systems, sports, etc.

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## 3) Communication –

- Ability to understand spoken and written language.
- Such as real-time translation of spoken and written languages, real-time transcription, intelligent assistant, voice control, etc.

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## 4) Planning –

- Ability to set and achieve goals.
- Such as inventory management, portion forecasting, predictive maintenance, physical and digital network optimization, navigation, etc.

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## 5) Cognition –

- The ability to infer things about the world through sounds, pictures and other sensory inputs.
- Such as medical diagnostics, autonomous vehicles, monitoring, etc.