

**AI Revolution: Navigating Rapid Advances with Caution**

**Presented by Prof. T. Chagonda, Head: Centre for Data Ethics**

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UNIVERSITY  
OF  
JOHANNESBURG

## TALK'S FOCAL POINTS

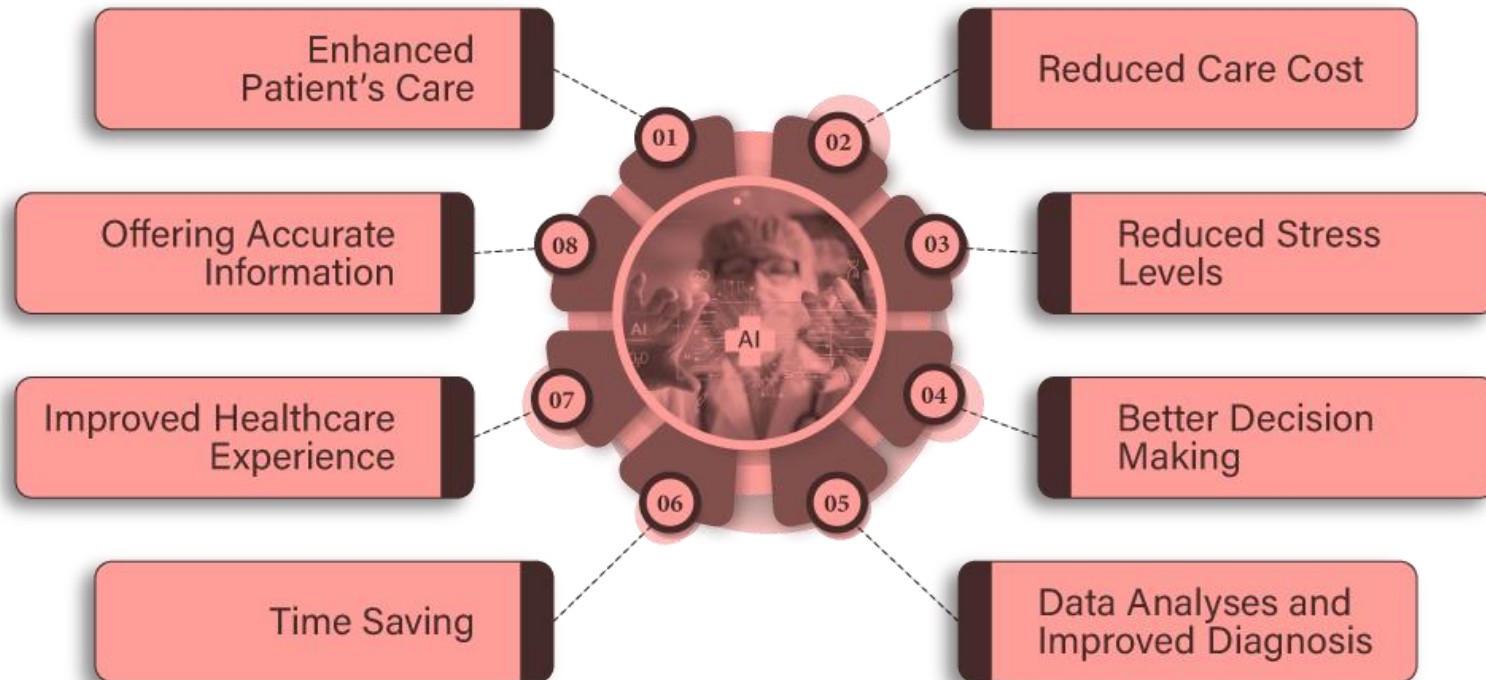
- ❑ Potential benefits of artificial intelligence
- ❑ Pitfalls of rapid artificial intelligence advances
- ❑ Way forward: Is AI Regulation Enough?

# POTENTIAL BENEFITS OF ARTIFICIAL INTELLIGENCE

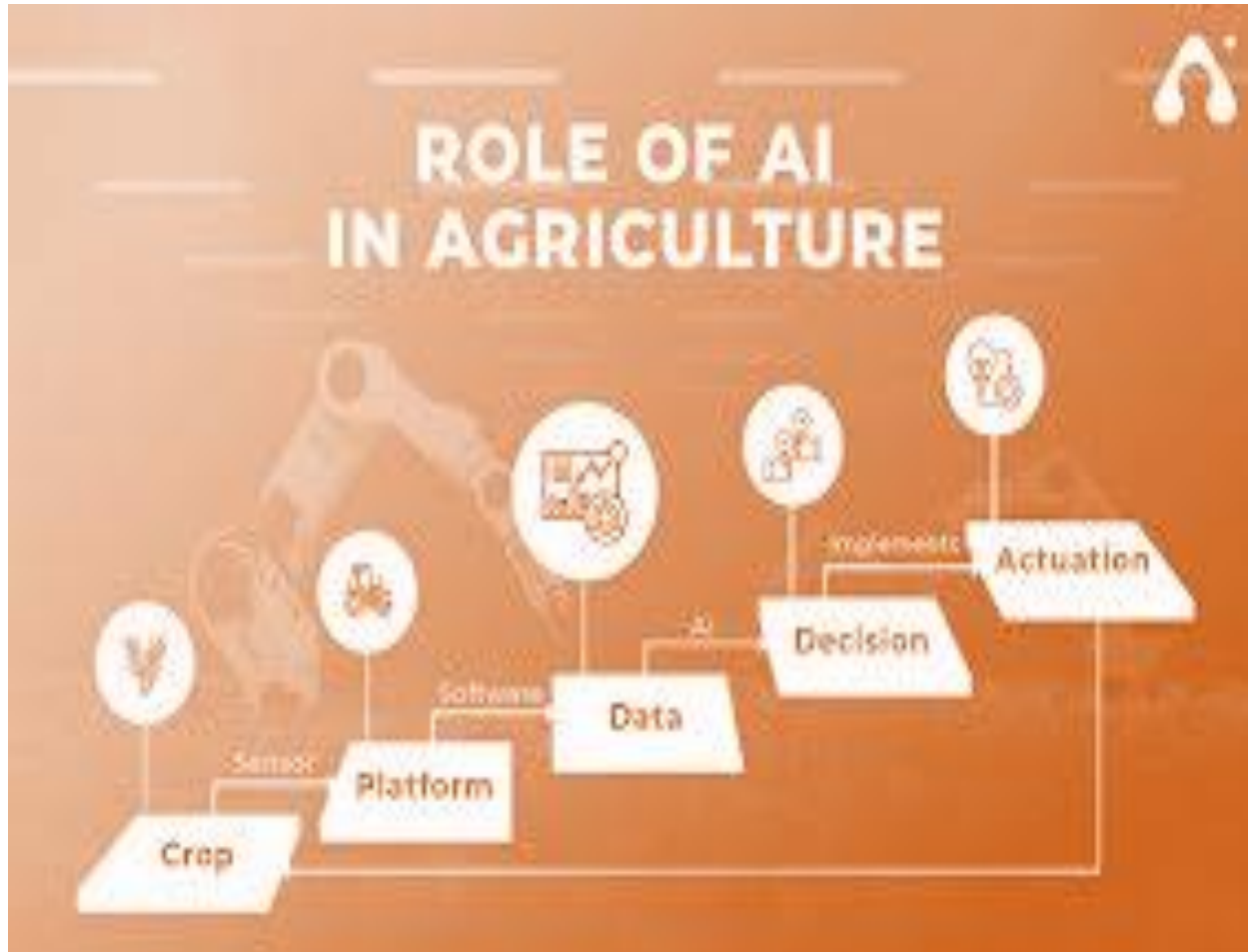
- Enhanced Healthcare Services
- Boosted Agricultural Productivity
- Spur Economic Growth
- Improved Education & Learning
- Enhanced Public Services

# ENHANCED HEALTHCARE SERVICES

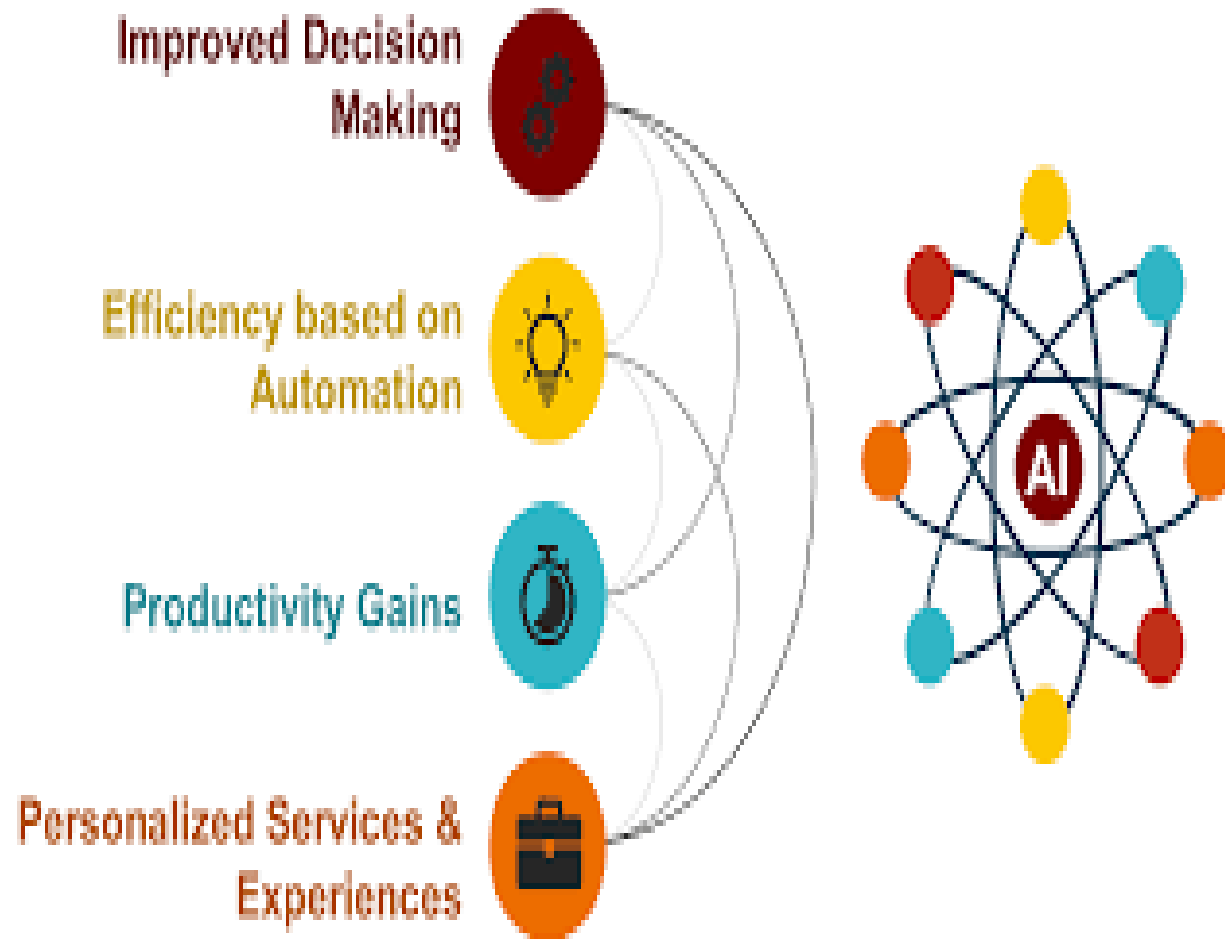
## Benefits of Artificial Intelligence in the Healthcare Industry



# BOOSTED AGRICULTURAL PRODUCTIVITY



# SPUR ECONOMIC GROWTH



# IMPROVED EDUCATION & LEARNING



# PITFALLS OF RAPID ARTIFICIAL INTELLIGENCE ADVANCES

- Expensive AI 'arms race' Dominated by Big Tech
- Bias & Discrimination in Sources of Data AI Generative Technologies are Trained on
- Deepfakes & Misinformation
- Fueling & Accelerating a Shadow WWIII
- Absence of Clear AI Regulation



# EXPENSIVE AI 'ARMS RACE' DOMINATED BY BIG TECH



# DEEPPAKES & MISINFORMATION



# WAY FORWARD: IS AI REGULATION ENOUGH?

- AI Regulation & AI Ethics Need to be Complementary to permit for responsible AI innovations.