



SNS College of Engineering
An Autonomous Institution

Accredited by NAAC-UGC with 'A' Grade,
Approved by AICTE, Recognized by UGC and Affiliated to Anna University, Chennai



DEPARTMENT OF ELECTRICALS AND ELECTRONICS ENGINEERING

AI TECHNIQUES IN ELECTRICAL ENGINEERING

UNIT - 1

AI FUNDAMENTALS



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Intelligence Systems

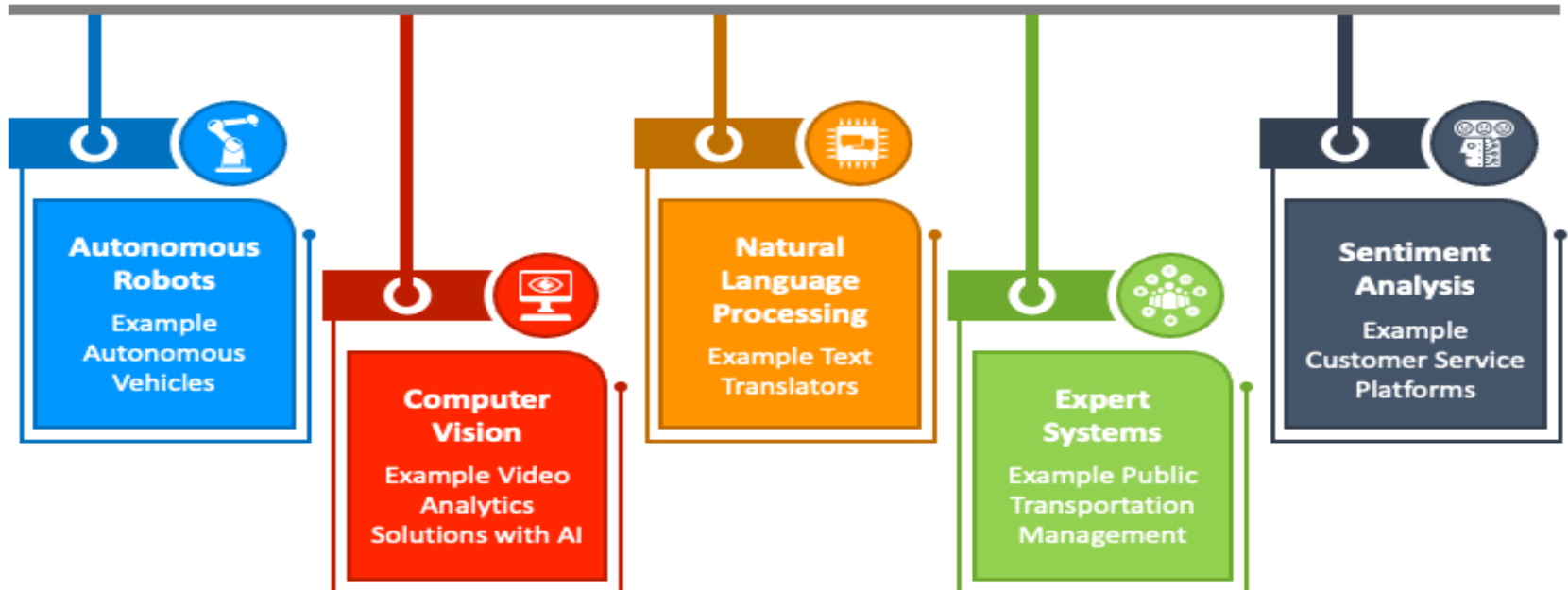


- Intelligent systems are technologically advanced machines that perceive and respond to the world around them.

INTELLIGENT SYSTEMS

Applications of Intelligent Systems

INTELLIGENT SYSTEMS

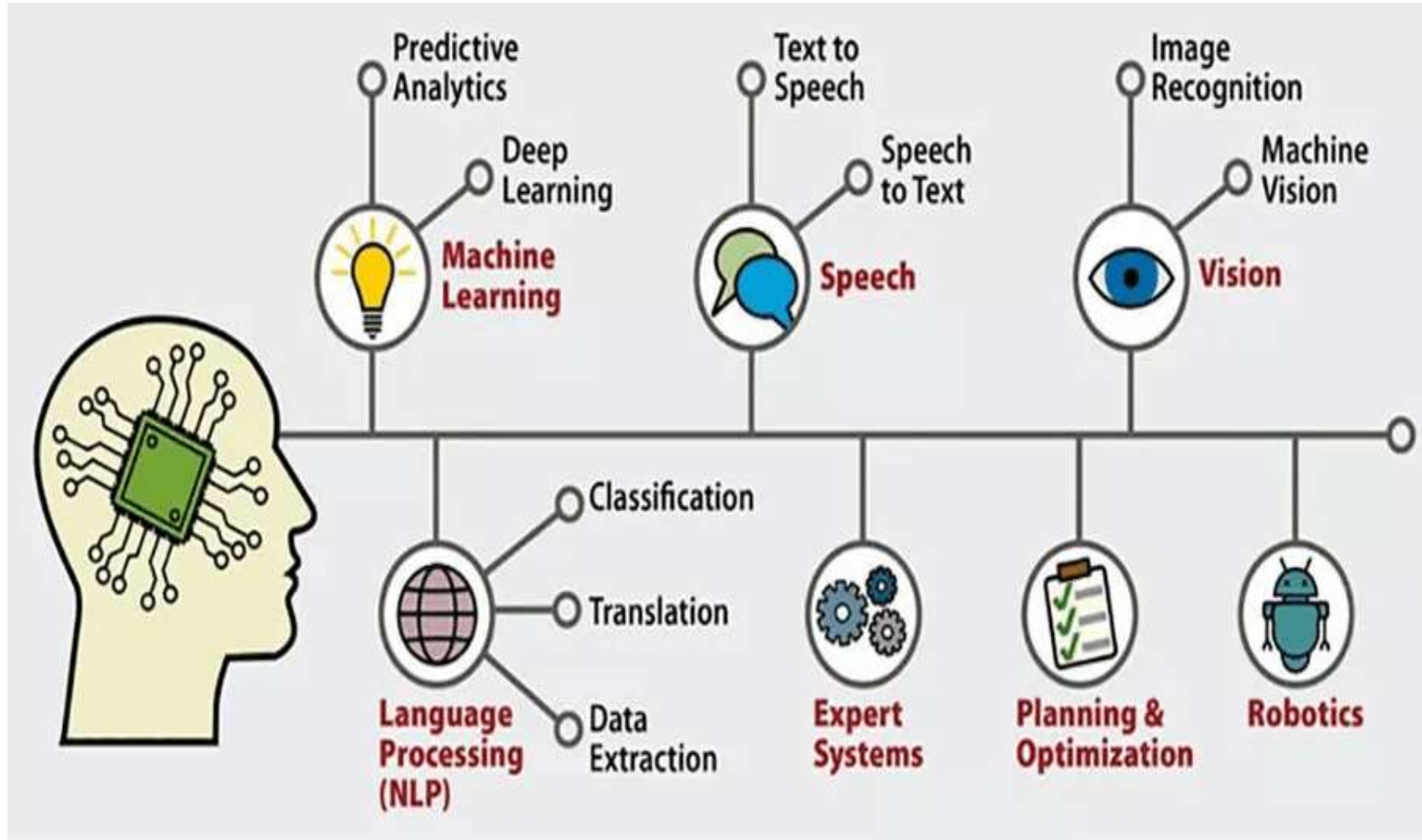




Intelligence Systems Applications



- Factory automation
- Field and service robotics
- Assistive robotics
- Military applications
- Medical care
- Education
- Entertainment
- Visual inspection
- Character recognition
- Human identification using various biometric modalities (e.g. face, fingerprint, iris, hand)
- Visual surveillance
- Intelligent transportation





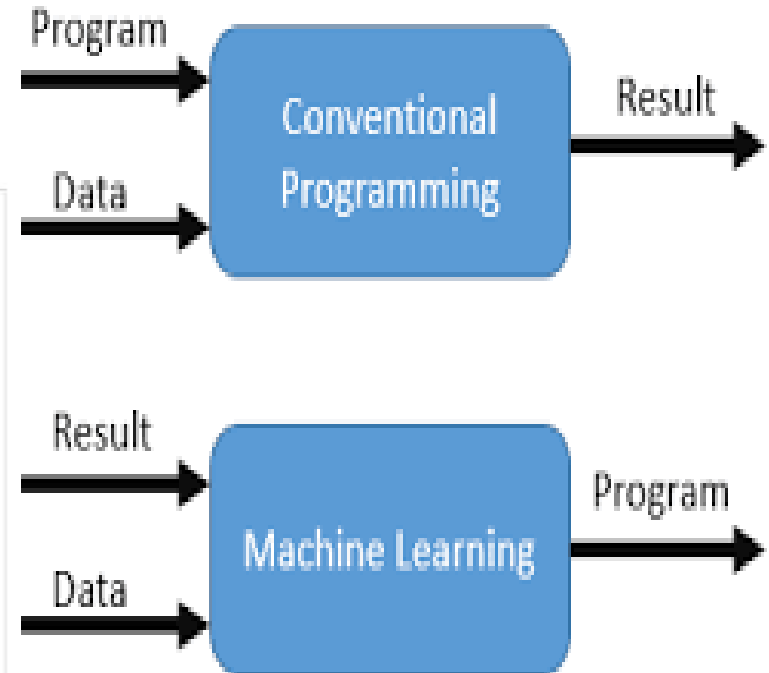
Differences between AI and Conventional Systems

■ Conventional Systems

- Procedural
- Numerical processing
- Algorithmic
- Rigid syntax

■ AI Systems

- Declarative
- Symbolic processing
- Heuristic programming
- More natural syntax



Thank
You