



**SNS College of Engineering**  
An Autonomous Institution

Accredited by NAAC-UGC with 'A' Grade,  
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**DEPARTMENT OF ELECTRICALS AND ELECTRONICS ENGINEERING**

# **AI TECHNIQUES IN ELECTRICAL ENGINEERING**

## **UNIT - 1**

### *AI FUNDAMENTALS*



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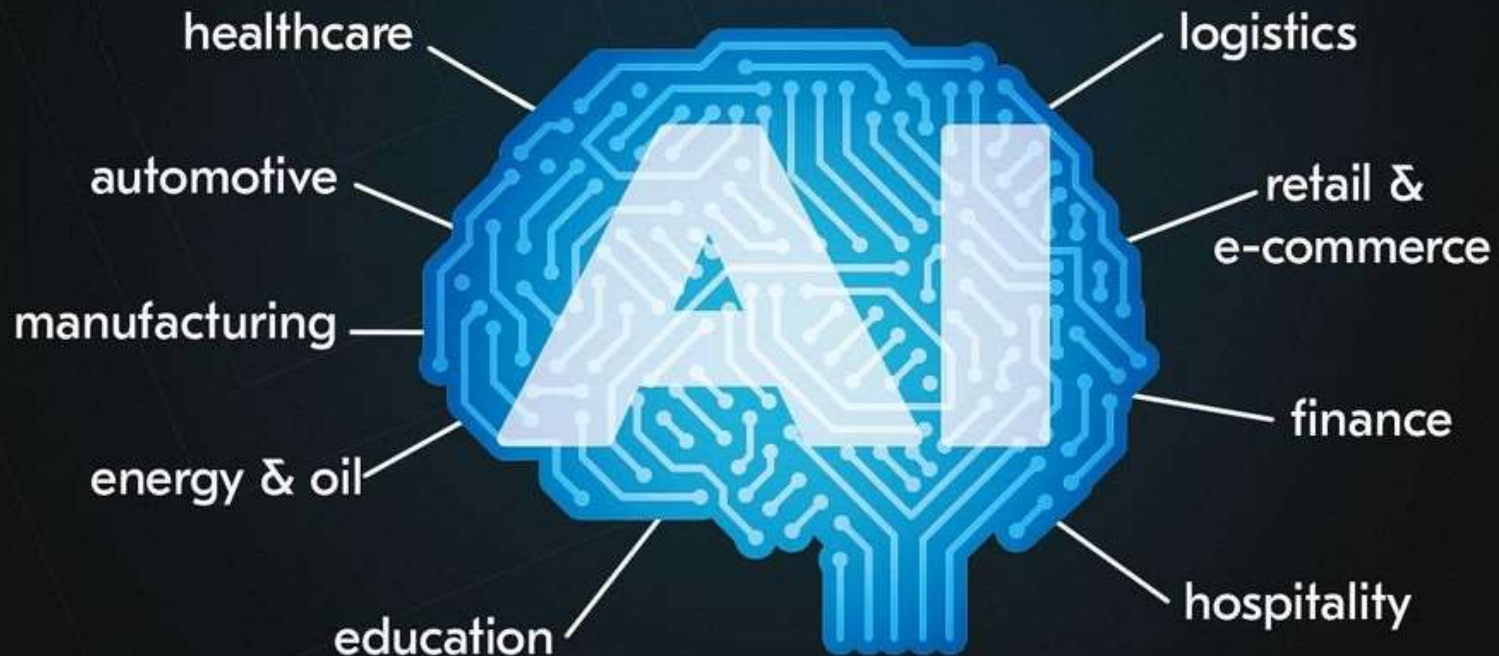
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# AI and Industry

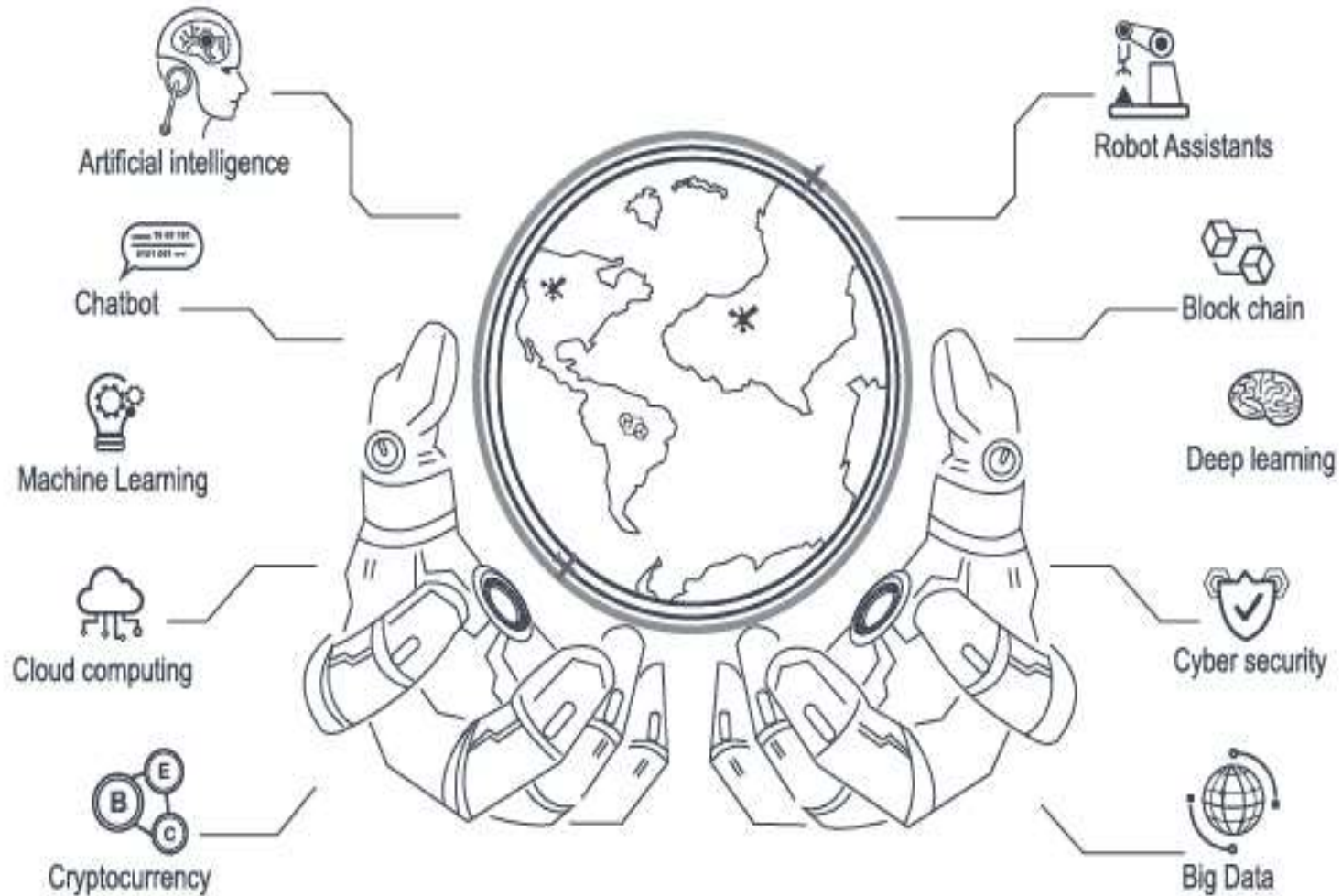


## AI Across Industries





# AI and the World





# Current trends in applied AI



- Reality check: more realistic expectations
- Multimodal AI
- Small(er) language models and open source advancements
- GPU shortages and cloud costs
- Model optimization is getting more accessible



# Current trends in applied AI



- Customized local models and data pipelines
- More powerful virtual agents
- Regulation, copyright and ethical AI concerns
- Shadow AI (and corporate AI policies)
- AI in science and health care
- AI for workplace productivity



Thank  
You