



# SNS COLLEGE OF TECHNOLOGY

Coimbatore - 35



## 23BAT613 – Artificial Intelligence for Managers

### Unit I – TECHNOLOGY OVERVIEW AND FUNDAMENTALS



Presented by

**Ms.S.D.Shamini**  
*Design Thinker*

Redesigning Common Mind & Business Towards Excellence

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to Implement  
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# Guess the Topic!!!

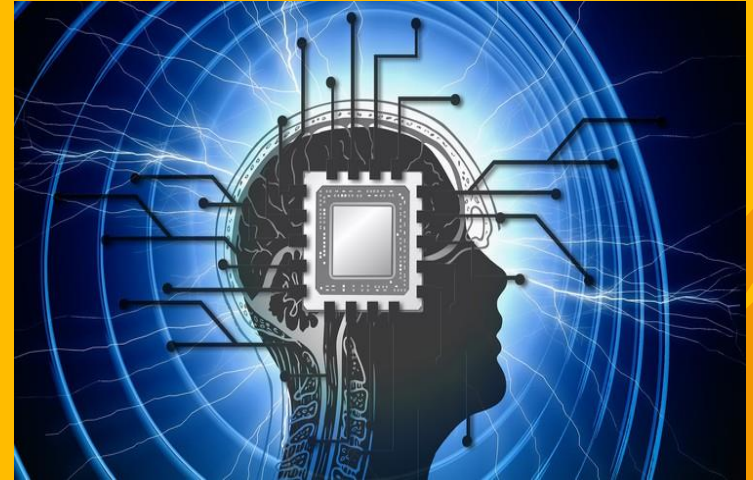
Understanding the  
Technology Landscape





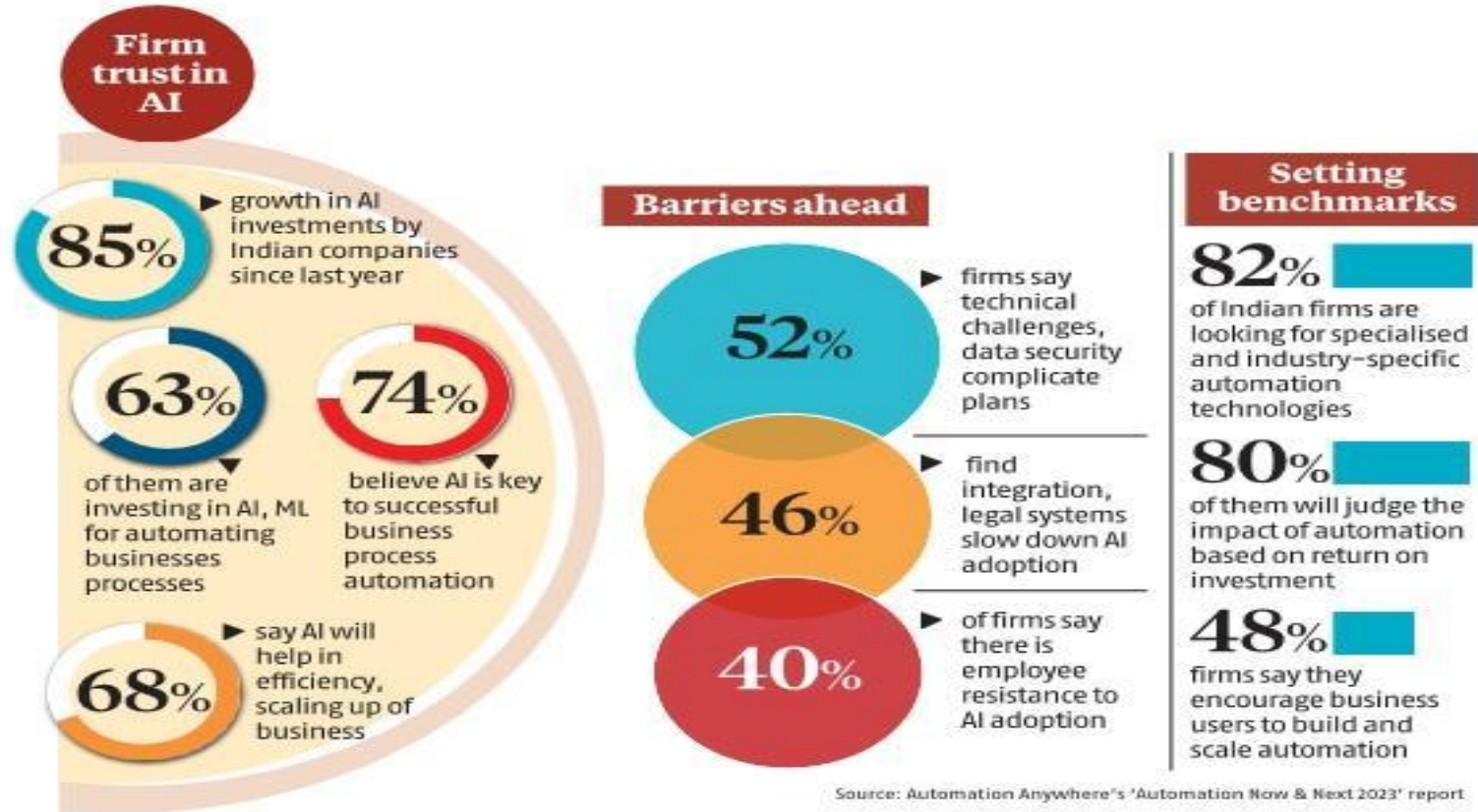
# Discussion about....

- Reason to study AI & ML technology
- Technological Paradigm
- Artificial Intelligence Technology Landscape
- ML Architecture Landscape
- AI vs Data Science vs ML



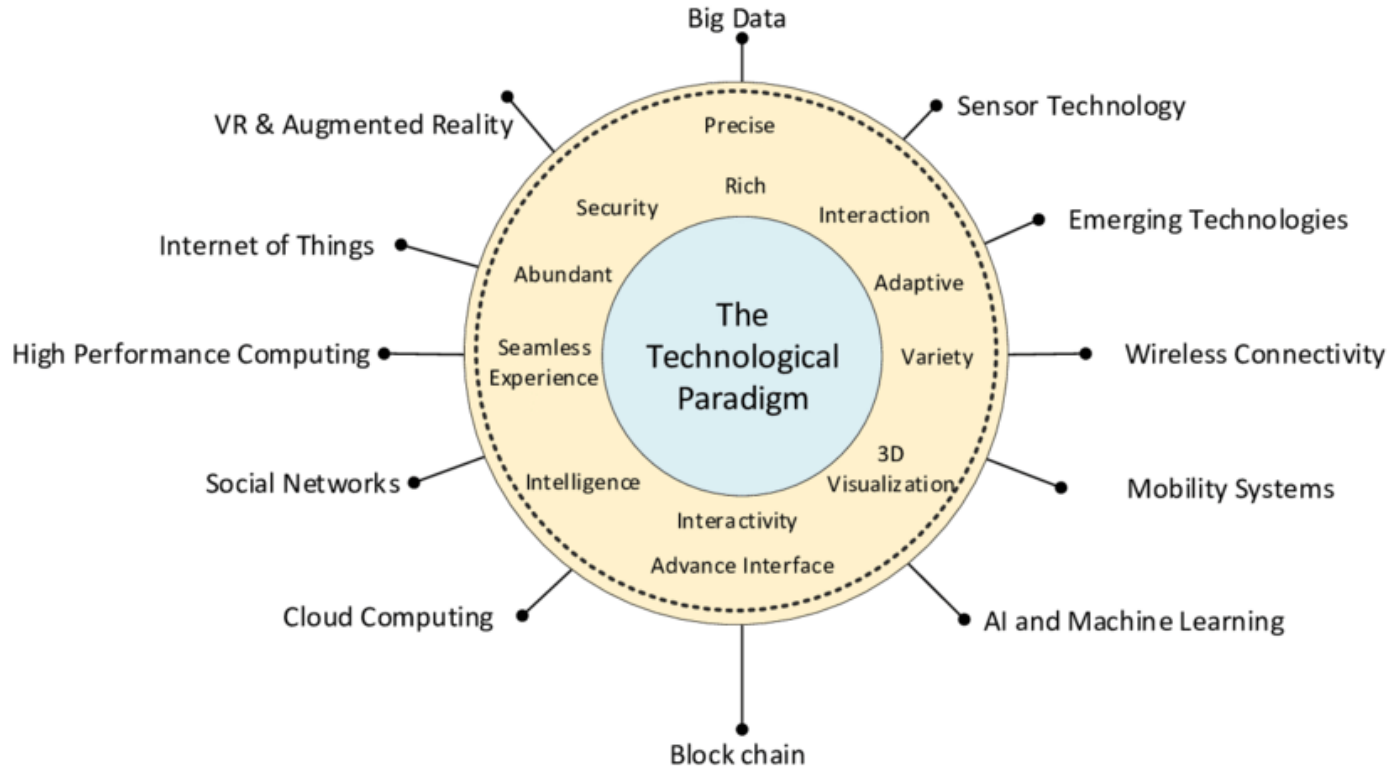


## Reason to study the technology of AI/ML in Business



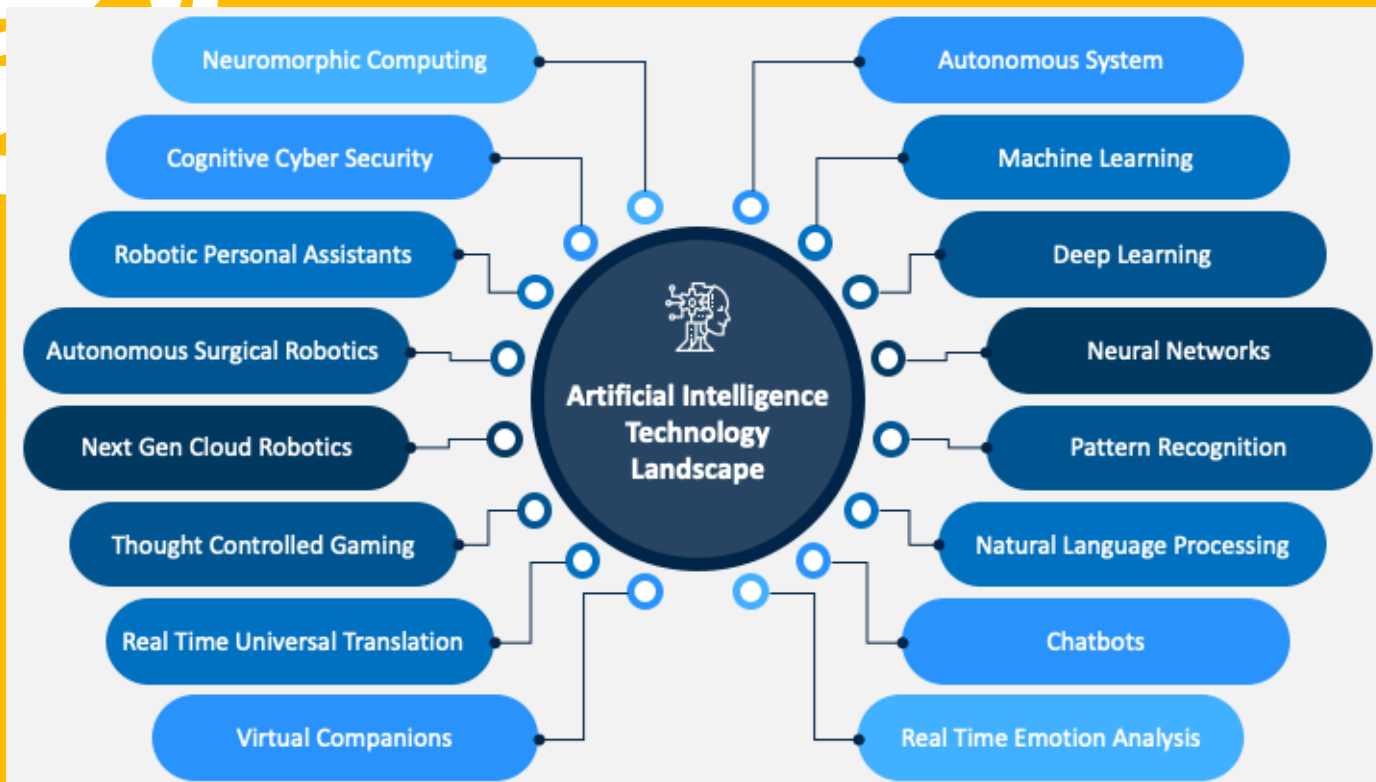


# Technological Paradigm



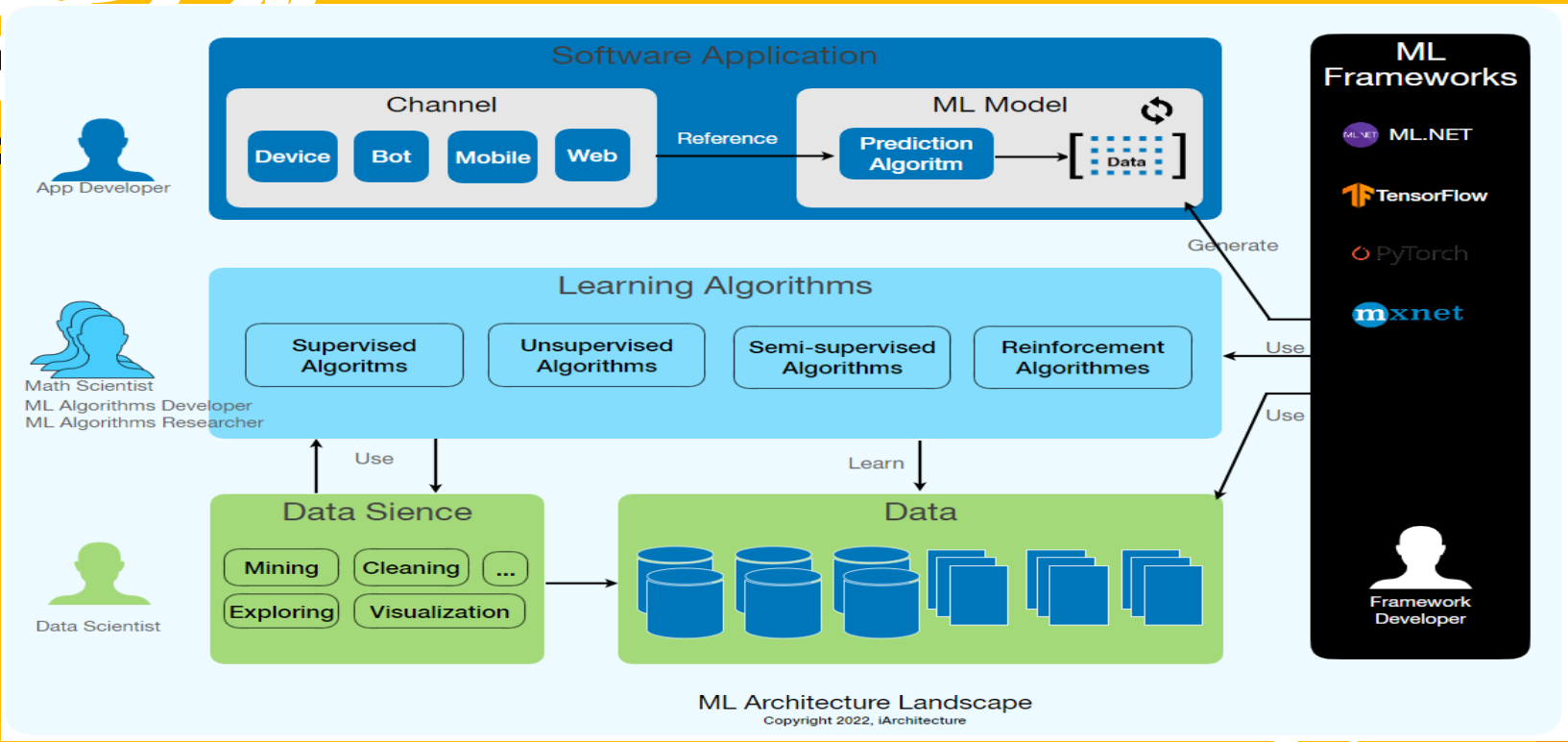


# Artificial Intelligence Technology Landscape





# ML Architecture Landscape





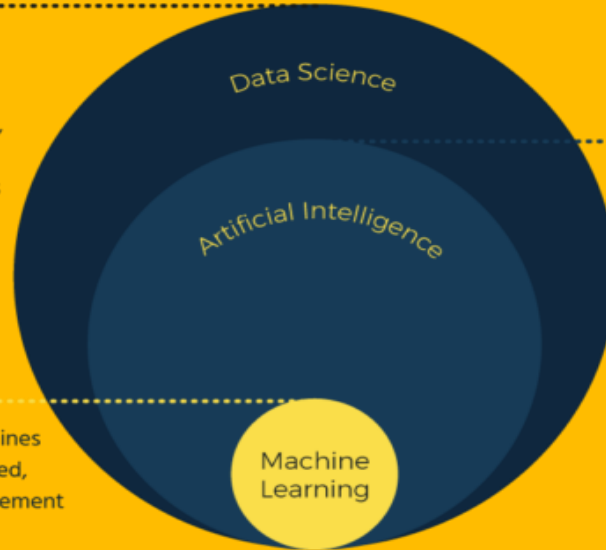
# AI vs. Data Science vs. Machine Learning

## Data Science

- Collection, preparation, and analysis of data
- Leverages AI/ML, research, industry expertise, and statistics to make business decisions

## Machine Learning

- Algorithms that help machines improve through supervised, unsupervised, and reinforcement learning
- Subset of AI and Data Science tool



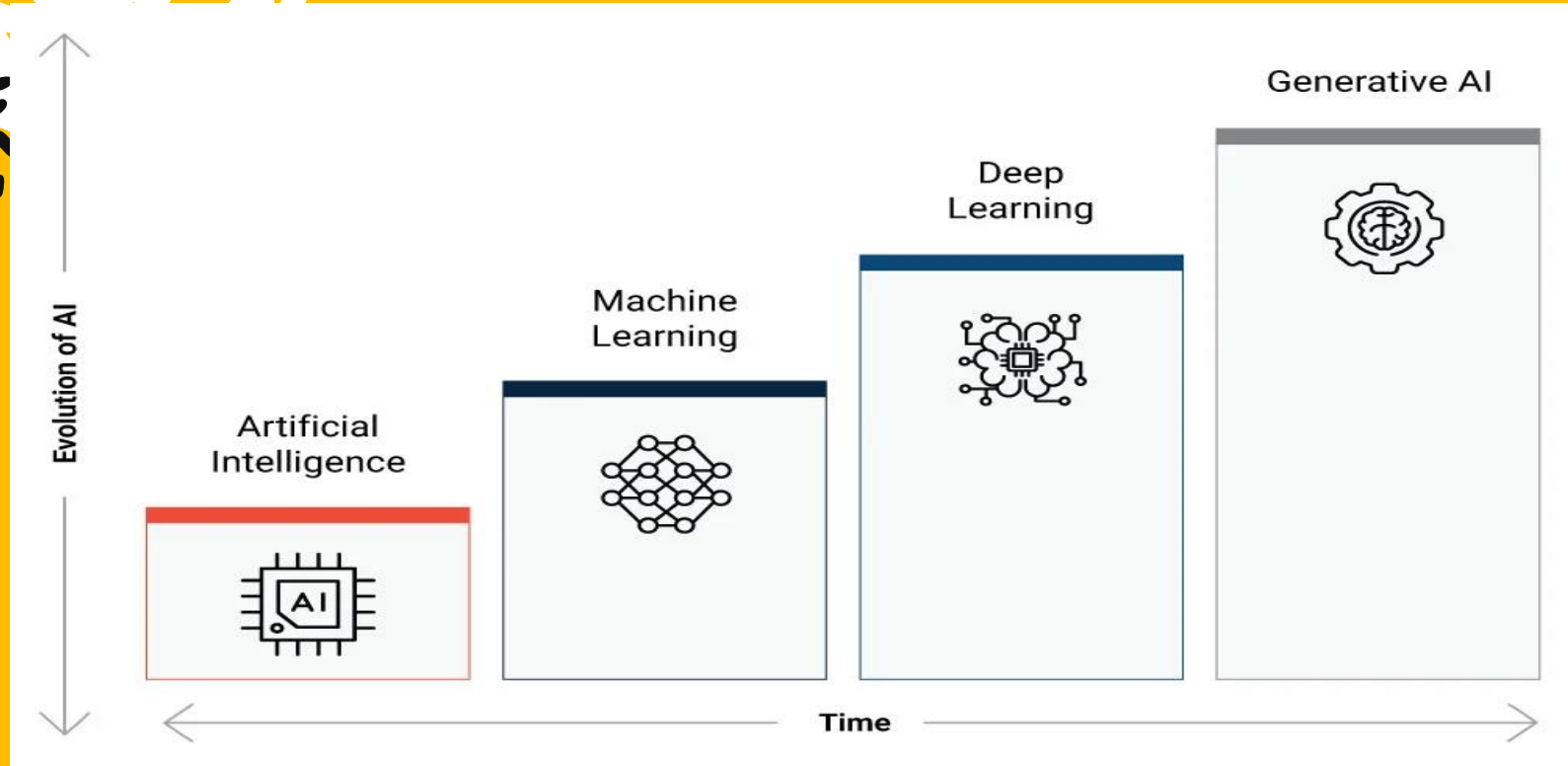
## Artificial Intelligence

- Technology for machines to understand/interpret, learn, and make 'intelligent' decisions
- Includes Machine Learning among many other fields





# Evolution of AI, ML





# Knowledge Check

Which of the following is a key consideration in understanding the technology landscape?

- X Ignoring emerging technologies
- X Staying unaware of industry-specific trends
- X Disregarding the regulatory environment
- X Grasping the capabilities and applications of various technologies
- X **Grasping the capabilities and applications of various technologies**



# Summary

- What is AI/ML in business
- Role of AI and ML in Bringing Transformative Impact in Business
- Applications





# References

- <https://www.mindinventory.com/blog/ai-ml-in-business-processes/>
- <https://stl.tech/blog/introduction-to-machine-learning-and-its-applications/>





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# Thanks!

