



SNS COLLEGE OF TECHNOLOGY

Coimbatore - 35



23BAT613 – Artificial Intelligence for Managers

Unit I – TECHNOLOGY OVERVIEW AND FUNDAMENTALS



Presented by

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Design Thinker

Redesigning Common Mind & Business Towards Excellence

1st Indian
Institution
to Implement
& Patent
Design
Thinking
FrameWork

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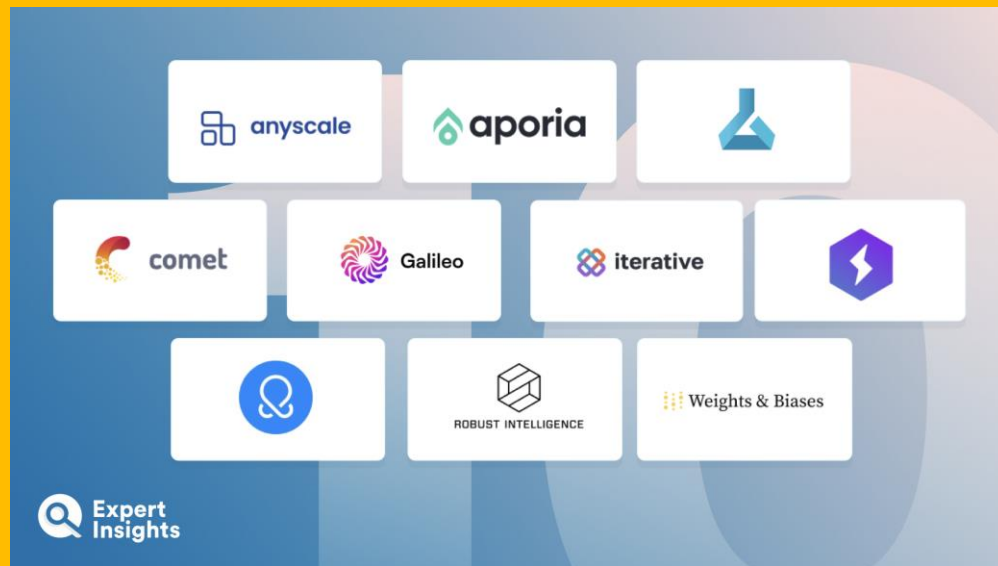
Sri SNS Charitable Trust
CELEBRATING
25
th Year
SILVER JUBILEE

Build an Entrepreneurial Mindset through our Design Thinking FrameWork



Guess the Topic!!!

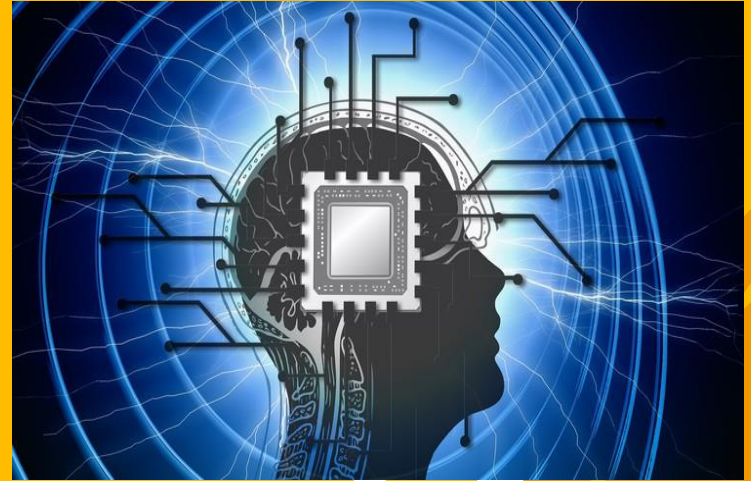
Tools and Platform for
Organization to deploy
AI & ML





Recap

- Reason to study AI Platform
- Artificial Intelligence Platform
- Artificial Intelligence Tools
- How AI works





Discussion about....

- Machine Learning Model
- Machine Learning Framework
- Machine Learning Tools
- Application of Machine Learning



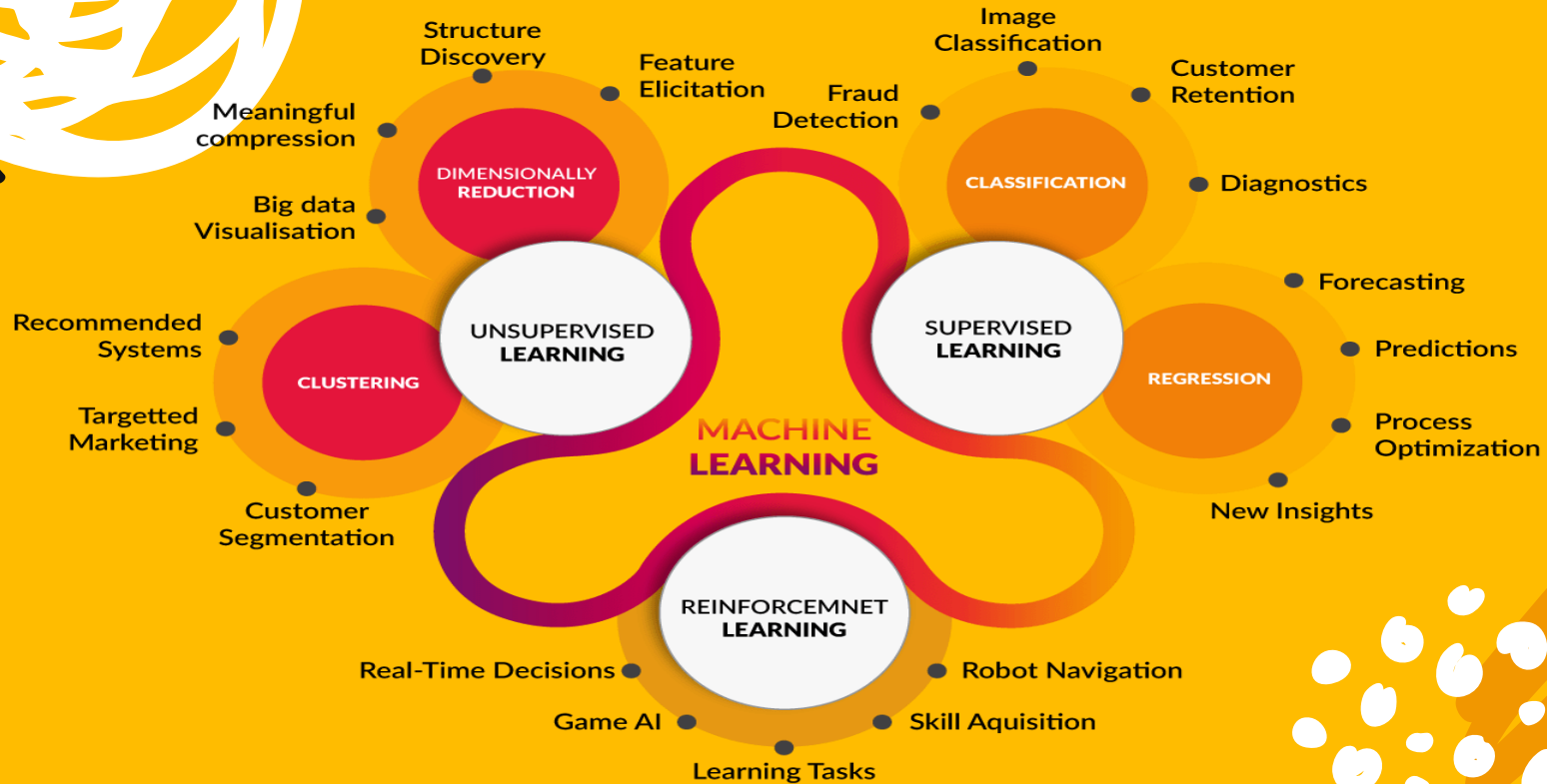


Machine Learning Model





Machine Learning Frameworks





ML Tools



Amazon
Machine
Learning



**POPULAR ML
TOOLS**
IN
2021





Machine Learning Tools

MACHINE LEARNING LANGUAGES



Python



R



C++

BIG DATA TOOLS



MemSQL



Apache
Spark

GENERAL MACHINE LEARNING FRAMEWORKS



Numpy



Scikit-learn



NLTK

DATA ANALYSIS & VISUALISATION TOOLS



Pandas



Matplotlib



Jupyter
Notebook



Weka



Tableau

ML FRAMEWORKS FOR NATURAL NETWORK MODELLING



Pytorch



Keras



Caffe 2

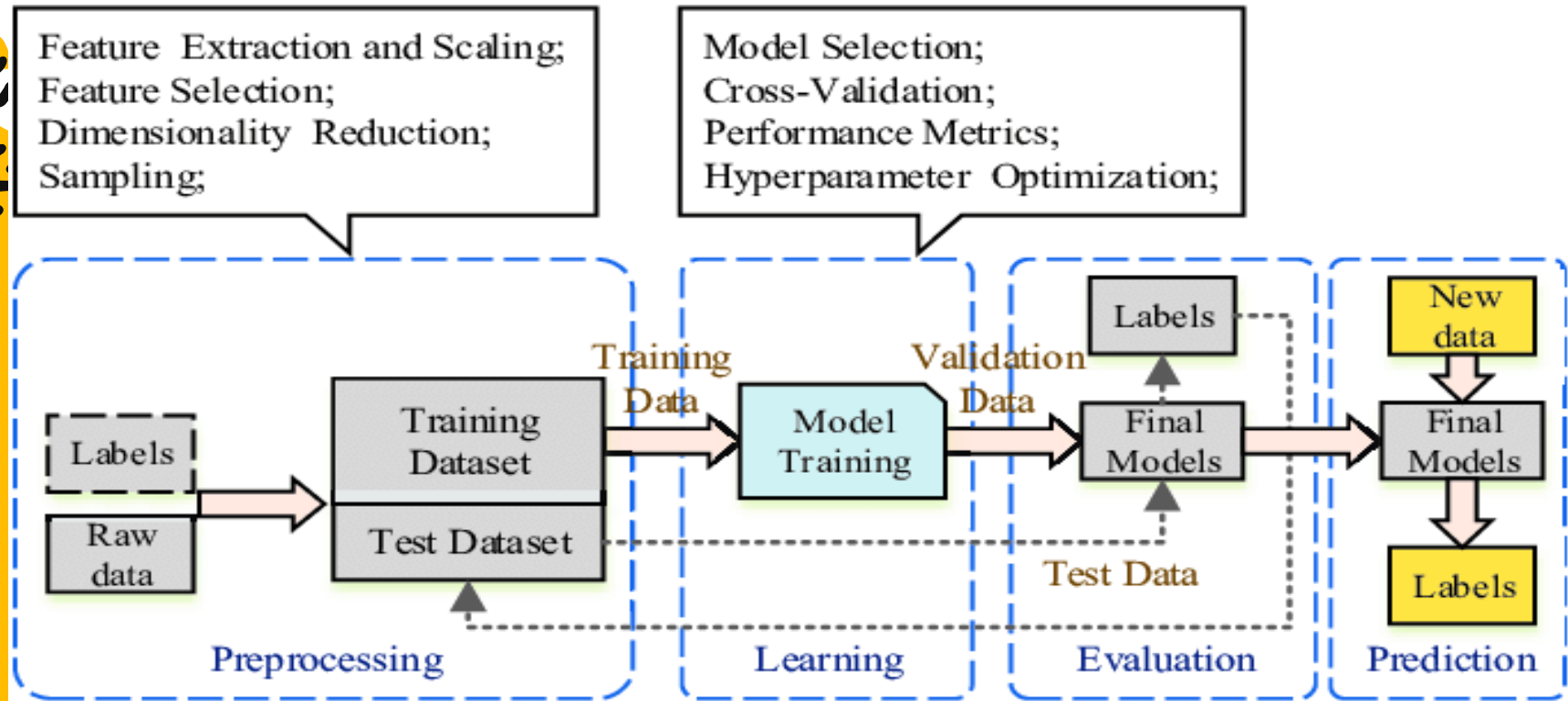


Tensorflow & Tensorboard



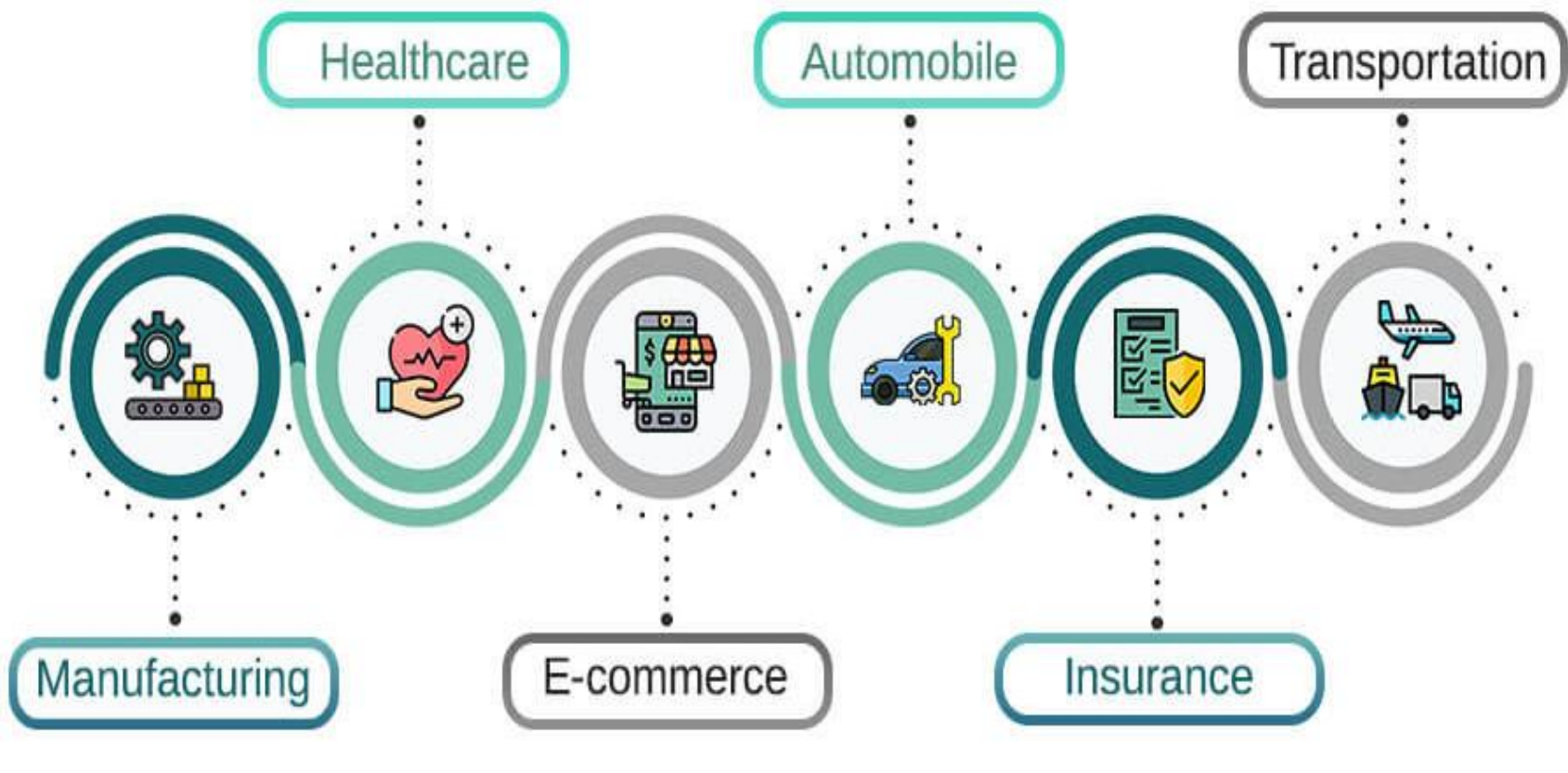


Machine Learning Framework





Application of Machine Learning





Knowledge Check

Which of the following tools is commonly used for building and deploying machine learning models?

- X a) TensorFlow
- X b) Adobe Photoshop
- X c) Twitter
- X d) Instagram
- X **Answer: a) TensorFlow**



Summary

- Machine Learning Model
 - Machine Learning Framework
 - Machine Learning Tools
 - Application of Machine Learning





References

➤ <https://iabac.org/blog/what-are-the-tools-of-machine-learning>





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Thanks!

