

# **Charotar University of Science And Technology (CHARUSAT)**

## **Chandubhai S. Patel Institute of Technology (CSPIT)**

### **Department of Artificial Intelligence and Machine Learning (AI & ML)**



**INTAKE: 60**  
**Effective from:2022-23**



**SUNDAR PICHAI**  
CEO, Google

AI is the main tool behind new-age innovation and discoveries like driverless cars or disease detecting algorithm



**BARACK OBAMA**  
Former President, USA

Generalized AI is worth thinking about because it stretches our imaginations and it gets us to think about our core values and issues of choice



**ELON MUSK**  
Founder & CEO, Tesla, SpaceX

Artificial Intelligence will be 'vastly smarter' than any human and would overtake us by 2025.

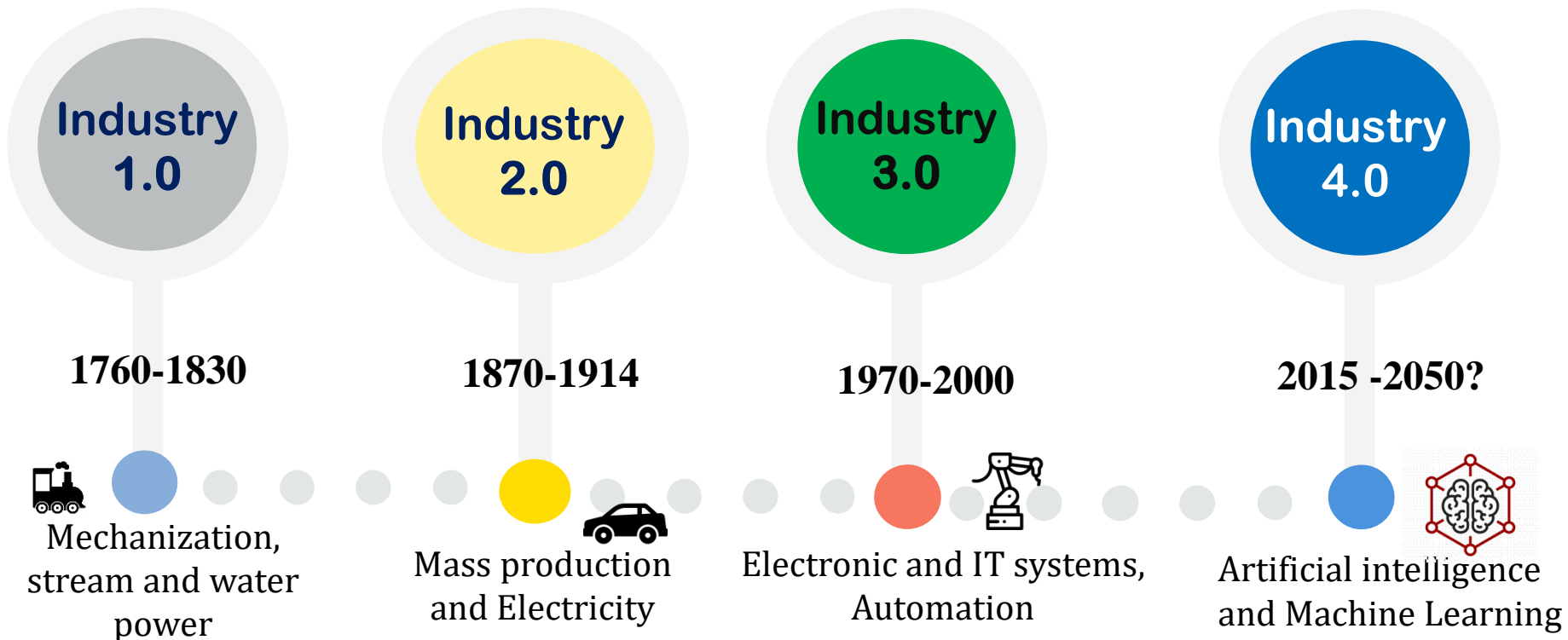


**JEFF BEZOS**  
Founder & CEO, Amazon

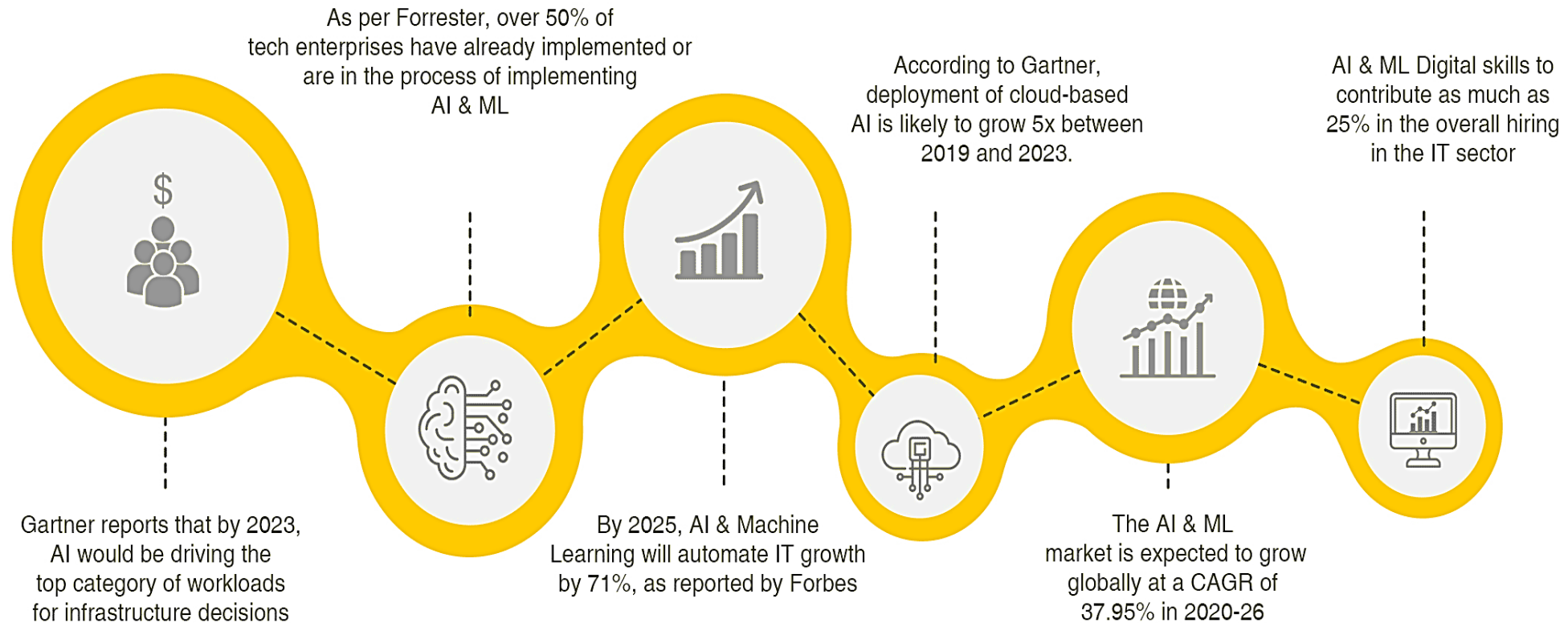
We are now solving problems with machine learning and AI that were...in the realm of science fiction for the last several decades

# AI & ML in Industry 4.0

Breakdowns of industrial development and the great changes in related categories



# Forecasting the Need of AI & ML





# AI & ML Roles



## AI Developer

AI Engineers build, test, and deploy AI models, as well as design and maintain the underlying AI systems.



## AI Architect

AI architects create and maintain architecture using leading AI technology frameworks.



## ML Engineer

Machine Learning engineers are involved in developing ML models that tie back to business needs.



## Data Analyst

Data analysts explore data to glean information for questions posed by businesses using machine learning as a tool.



## Data Scientist

Applies quantitative techniques from machine / deep learning toward the solution of important business problems.

# Application Areas of AI & ML



Hospital and Medicine



Cyber Security



Game Playing



Face Recognition



Speech Recognition



Transport



Understanding  
Natural Language



Marketing & Advertising



Computer Vision

# Collaboration with Industry Partner-Samatrix.io





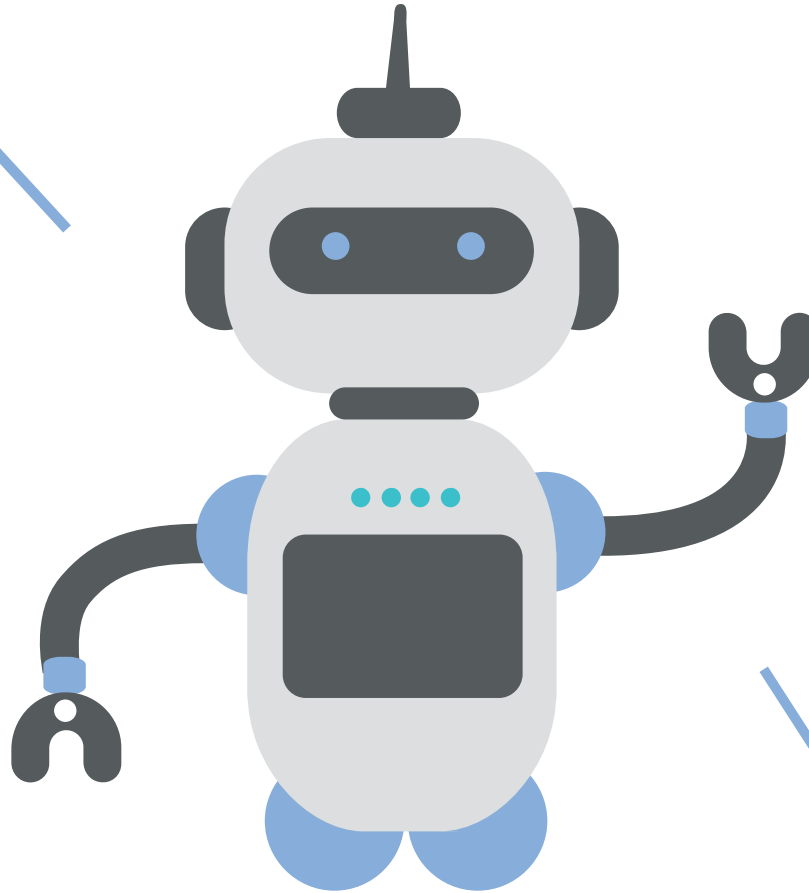
# Major Organizations of AI & ML





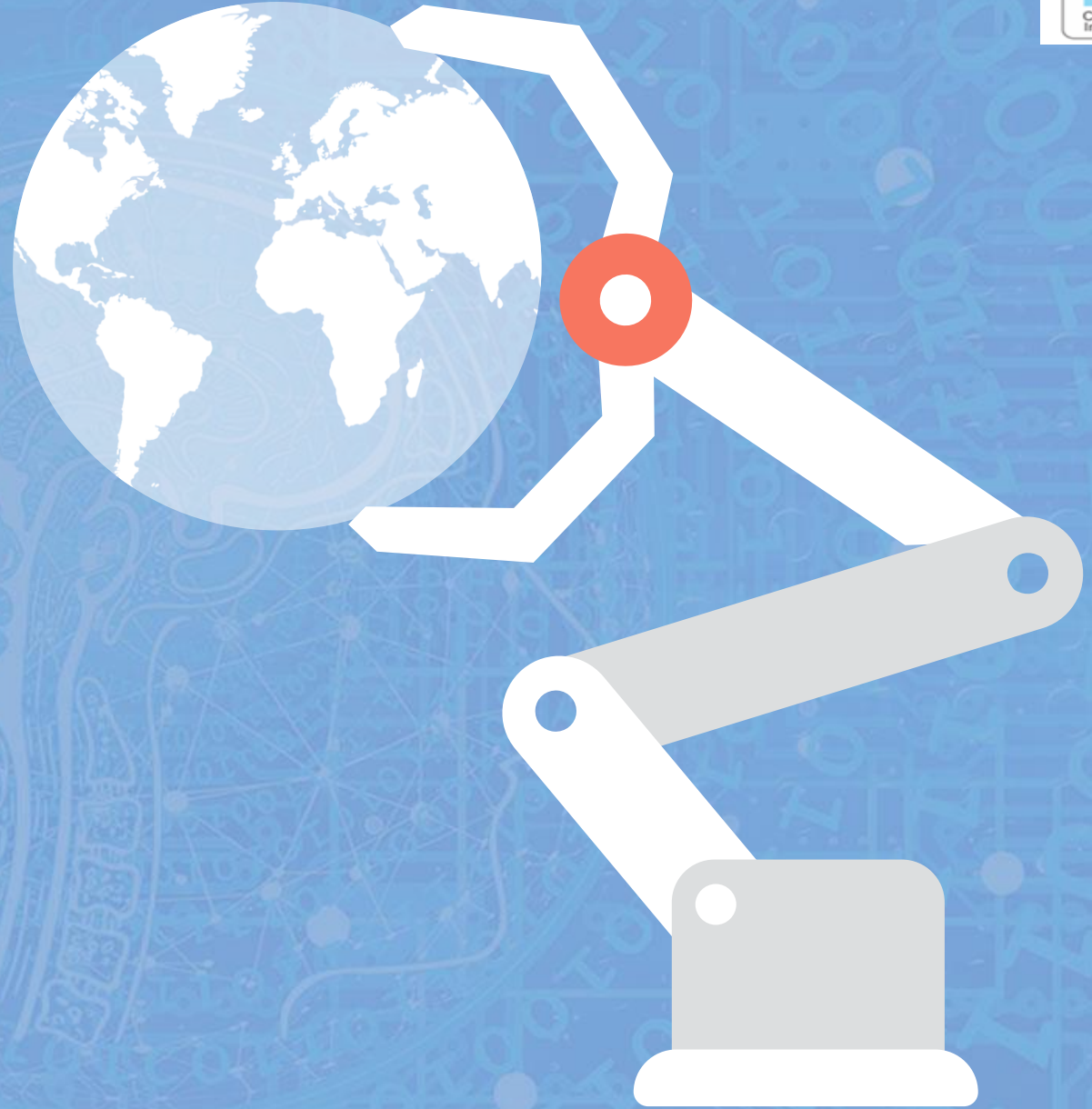
# AI & ML to drive growth of Start ups

- **Startups ecosystem**, has been nourished with the advent of technology, and has given rise to more evolved business processes.
- These days **Logistics, accounts, marketing and team performance & HR** have all been supported by AI technology.



- With the rising technologies like AI, IoT and ML, its interesting to watch the **changing face of Indian SMEs and startups**.

# THANK YOU



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