

sentiligent

ACADEMY
AI CENTER OF EXCELLENCE

AI FOR ALL



About Sentilgent Academy

Vision

To develop AI-Hub in India

Mission

Mission to create AI Center of Excellence & to push the boundaries of technology to help individuals & companies discover, learn, and adopt the AI technologies.

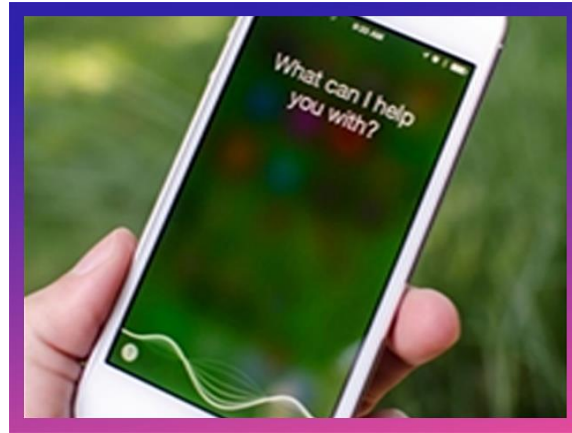
Sentilgent Academy is leading the vision to develop AI-Hub in India. We envision India as the next AI-Hub of the world. India will lead technology and innovation movement. We are creating a workforce of AI professionals who will lead this movement in India.

Sentilgent Academy in collaboration with the India & USA based companies in the AI brings you the Machine Learning (ML) and Deep Learning (DL) technology stack that will boot-start your career in AI.

We accelerate and transform the careers of individuals from all background by helping them master AI & Data Analytics through intensive training programs & state-of-the art infrastructure, taught by vetted professionals with years of both education and industry experience.

Introduction To AI

By 2021, 80% of emerging technologies will have AI foundations.



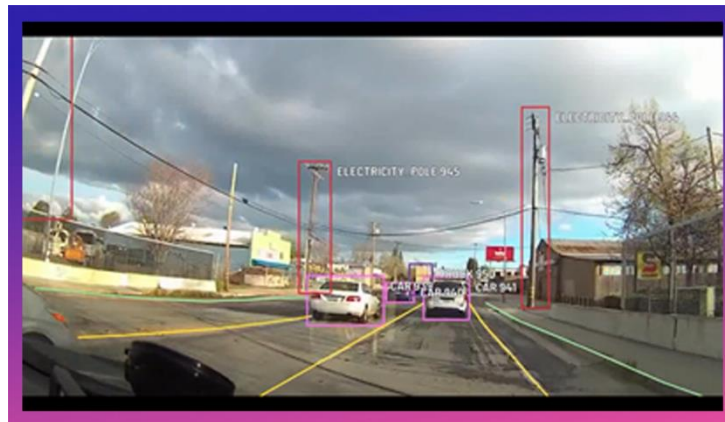
Apple Siri



2D Image to 3D Printing Using AI



Text Analytics



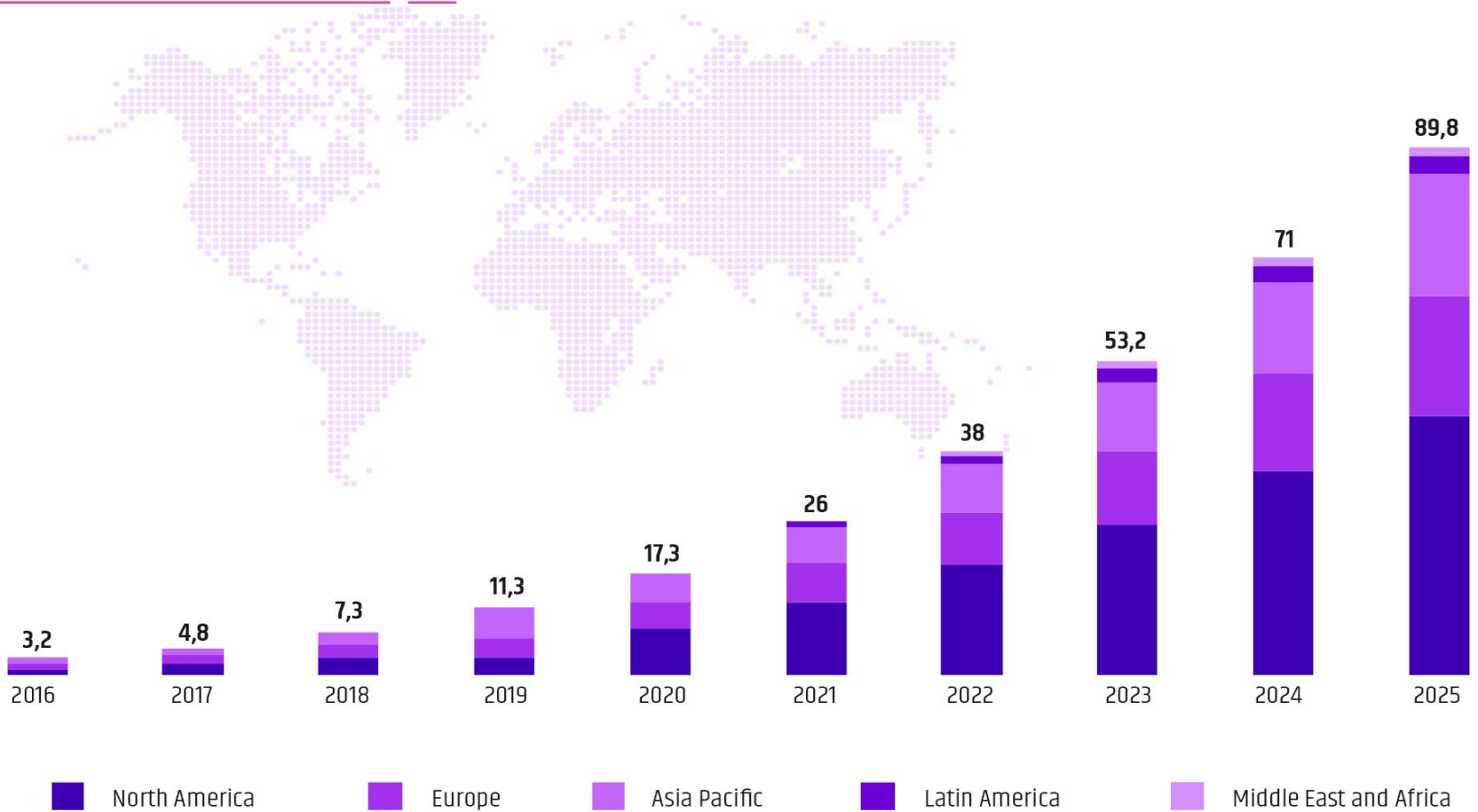
Autonomous Cars



Retail Analytics

AI, A Market Worth Billions

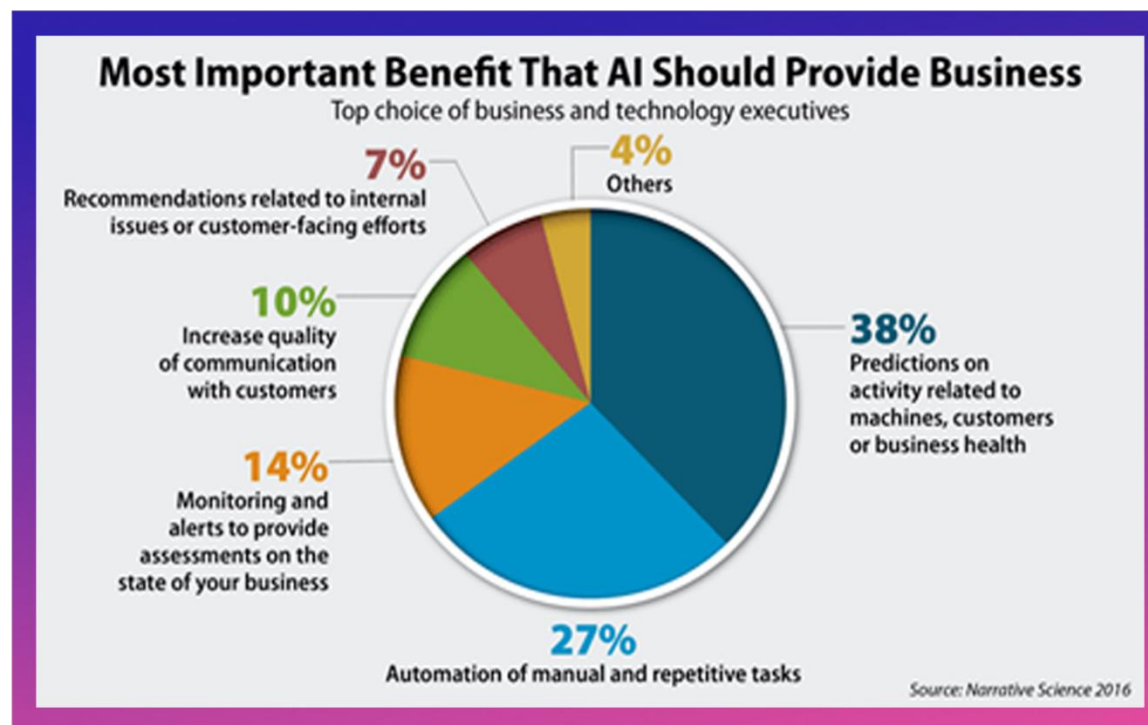
*Revenue generated by Artificial Intelligence in the world, in billions of dollars
Source Tractica(Statista/JDN)



North America Europe Asia Pacific Latin America Middle East and Africa

Significance of AI in Business

- 54% of executives say AI tools have boosted productivity.
- 61% of business professionals say Machine Learning and AI are their organization's most significant data initiative.
- 40%, is the projected increase in labor productivity from AI use.
- Early adopters of AI have achieved significant benefits – including increased efficiency, cost reduction, improved customer experience, revenue growth, and more.



Roadmap to AI!

To start your journey in AI, this bootcamp will help you to understand about the AI technology stack that is used to develop the end-to-end applications.

1. AI Essentials (OS, Python)
2. Machine Learning (Supervised & Unsupervised Learning, Data Visualization, Ensemble Learning)
3. Deep learning Basics (CNNs, RNNs)
4. Advance Deep Learning (GANs, Auto-Encoders, NLP, Conversational AI)
5. Big Data & Microservices (Databases, Messaging Protocols, Data Storages)
6. DevOps essentials (Dockers)
7. AI Applications (How to build & deploy End-To-End AI Application, AI Ethics)

SKILLS	ANALYTICS-ENABLED JOBS		ANALYTICS-ENABLED JOBS				
	DATA DRIVEN DECISION MAKERS	FUNCTIONAL ANALYSTS	BUSINESS INTELLIGENCE ENGINEER	DATA ANALYST/BUSINESS ANALYST	DATA ARCHITECT	DATA ENGINEERS (HARDWARE AND SOFTWARE)	DATA SCIENTISTS AND ADVANCED ANALYSTS
DOMAIN & FUNCTIONAL KNOWLEDGE (RESEARCH OR BUSINESS)	LOW	LOW	LOW	LOW	LOW	LOW	LOW
PROBLEM SOLVING FRAMEWORK	LOW	LOW	LOW	LOW	LOW	LOW	LOW
DATA VISUALIZATION (STORY WITH CHARTS & GRAPHS)	LOW	LOW	LOW	LOW	LOW	LOW	LOW
DATA GOVERNANCE (INCLUDING SECURITY & ETHICS)	NOT REQUIRED	LOW	LOW	LOW	LOW	LOW	LOW
DATA ENGINEERING (STORAGE, PROCESSING, HARDWARE, SOFTWARE)	NOT REQUIRED	LOW	LOW	LOW	LOW	LOW	LOW
DATA MANAGEMENT/ CURACTION SOURCING, CLEANING, MANIPULATING	NOT REQUIRED	LOW	LOW	LOW	LOW	LOW	LOW
STATISTICAL TOOLS & PROGRAMMING	NOT REQUIRED	LOW	LOW	LOW	LOW	LOW	LOW
ANALYTICAL APPROACHES (LEVEL OF PRECISION)	LOW	LOW	LOW	LOW	LOW	LOW	LOW
MACHINE LEARNING & DEEP LEARNING (TEACH COMPUTERS TO RECOGNIZE PATTERNS)	NOT REQUIRED	NOT REQUIRED	LOW	LOW	LOW	LOW	LOW

NOT REQUIRED
 MEDIUM
 LOW
 HIGH

Data Science Skill-Sets

AI for All Bootcamp Overview

Did you know? 54% of executives say AI solutions implemented in their businesses have already increased productivity. AI can increase business productivity by 40%. Dive deeper into the business opportunities of AI as well as the current state of technology and innovation, its limitations and the solution architecture powered by AI.

What is AI? How can it help in your business? How can you leverage AI for your company or organization to take a step ahead towards the future of businesses?

Artificial intelligence represents a new way of thinking about software. Learn with Sentiligent Academy's **AI For All** bootcamp about the current trends in AI industry.

Start your AI journey!

[Register](#)



Curriculum Overview

The program is structured around 4 core modules:

1. AI Fundamentals
2. AI in Business & Startups
3. Starting an AI Project
4. How AI is Transforming Society



Module 1. AI Fundamentals

In this module we will showcase the state-of-the-art technologies in different sectors and how AI algorithms can be used to make your life simpler. We will discuss how algorithms are ported to the hardware so that cohorts can understand exactly how these ML algorithm works. This module includes overview of following sub-topics:

1. Machine Learning (ML)

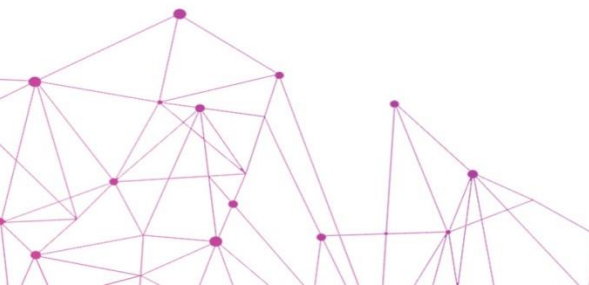
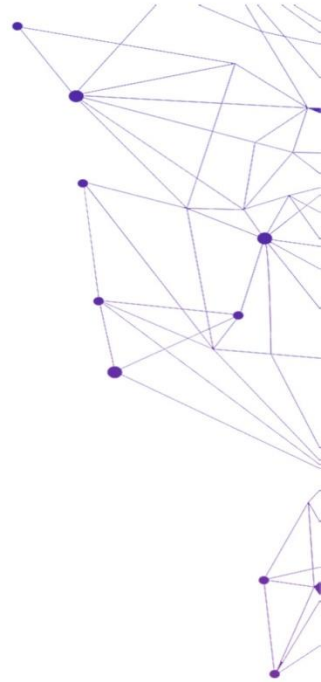
- This module drives straight into the ML basics and techniques to solve the most common data problems.
- We'll also cover real case studies with practitioners from various sectors.
- We will discuss on the Data Preparation techniques.

2. Big Data & DevOps

- What is big-data and how the data storage works?
- Understand the advanced DevOps tools that are used in the industries for the ML model deployments. Then we will discuss about model versioning and management. We will also work on how the datacenters are managed and used for the DL modeling.

3. Neural Networks and Deep Learning (DL)

- Here cohort's will be given a basic understanding of:
- Real-time data preparation tools.
- Deep Learning Frameworks & Hardware Accelerators
- Advance DL (GANs, Autoencoders, Conversational AI)



Module 2. AI in Business & Start-ups

Most people are not very familiar with the concept of artificial intelligence (AI), or are not sure what is it & how it would affect their companies. Everyone knows that there is a considerable potential for altering business processes using AI, but not clear how it could be deployed within their own organizations. We will start with a summary of what AI is at a conceptual level, without getting sidetracked by the detailed knowledge that while essential, can distract from thinking about your business.

How can an existing company re-brand themselves as an AI operator in their product? We will also talk about how AI will transform business in a real-life scenario. The focus of this section is to showcase the implementation of several projects while learning and discovering the most appealing area in which cohorts would like to delve deep.

We will be going to give you enough information to get started with your own start-up. After that we will introduce major steps to go through when starting an AI business. We will also discuss about how to build a team in the AI startup. Then we will provide industry expert advice who have successfully created and are building an AI based startup.

Module 3. Starting an AI Project

We will walk you through the typical process to start an AI project within your organization. This will include from start on analyzing the problem statement. Then we will understand how data preparation is needed to make sure that the problems which you are trying to solve. We will also talk about how to monetize your own data and follow best practices to protect your data.

Then you will learn about the best practices for developing an ML model. What steps are needed to take to reduce time and cost for deploying the solution and how can we maintain the lifecycle and manage the solution.

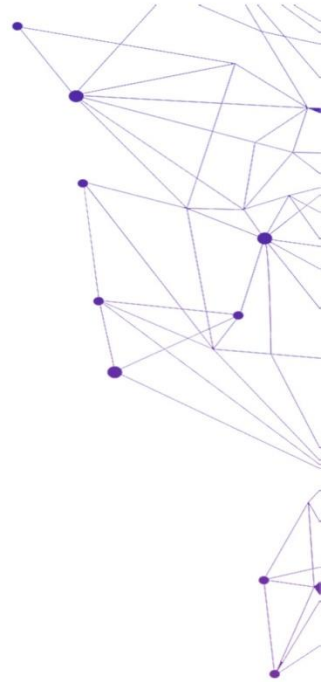
This module will end with how we can package the solution and how to monetize it.

Module 4. How AI is Transforming Society

Artificial intelligence (AI) is a wide-ranging tool that enables people to rethink how we integrate information, analyze data, and use the resulting insights to improve decision making and already it is transforming every walk of life.

In this module, we will discuss AI's application across a variety of sectors, address issues in its development, and offer recommendations for getting the most out of AI while still protecting important human values.

Benefits from the Bootcamp



1. Understand AI's unique challenges and opportunities in developing business models.
2. Gain practical and strategic comprehension of AI in the product
3. Explore Machine Learning techniques and applications in different industries.
4. Learn how to develop AI systems with defined problem statements.
5. Business process development using AI
6. Future Business Trends with AI
7. Industry lecturers who are experts in AI
8. Connect with Sentiligent Academy start-up ecosystem.
9. Receive a Certificate of Bootcamp Completion from Sentiligent Academy.



AI for All Bootcamp Details

- 1-month Bootcamp starting from Nov 1, 2020
- The program includes:
 - Weekend (Sat & Sun) training (6 hours / week)
 - Consulting & coaching over 1 month following your training
 - **Class times:** As of June 2020, The bootcamp will run online on zoom from 5 pm to 8 pm due to COVID-19 guidelines.

Tuition & Financing

- Rs. 25,000 / Participant (inclusive all taxes)

Certificate

Participants will be granted a completion certificate from Sentiligent Academy.



Bootcamp Details

Eligibility

This course is designed for everyone, for all backgrounds (technical or not). This course can benefit every professional or businessman in various sectors (Doctors, engineers, product managers, journalists, farmers, lawyers, etc.)

Pre-requisites

- You should be able to build a list and frame a sense of what AI can do for your business or professional career in general.
- Decide what kinds of benefits you are looking for – improved employee productivity? faster workflow? improved product productivity? Reducing costs?

Bootcamp Delivery Method

- Online / offline lectures with Hands-on real-time case studies will be given to the attendees (following COVID-19 guidelines)
- Attendees receive an electronic copy of the course materials, literatures and related code at the conclusion of the Bootcamp.
- Assistants will be on hand to help attendees with hardware/software issues.

Admission Process

1. Please Apply on our [website](#) or send us an email on admissions@sentiligentacademy.com with you Full Name, Contact Number, Bootcamp Batch you are interested in.
2. We will contact you on your phone / Email.
3. Admissions will be done on first come first serve basis.

Contact Us

We hope you find this Bootcamp favourable and in-line with your requirement. For any further questions, comments, or concerns, please feel free to contact us.

- **Website:** <https://sentiligentacademy.com/>
- **Email:** info@sentiligentacademy.com
- **Phone Number / WhatsApp Number:** +91 - 8600637568

