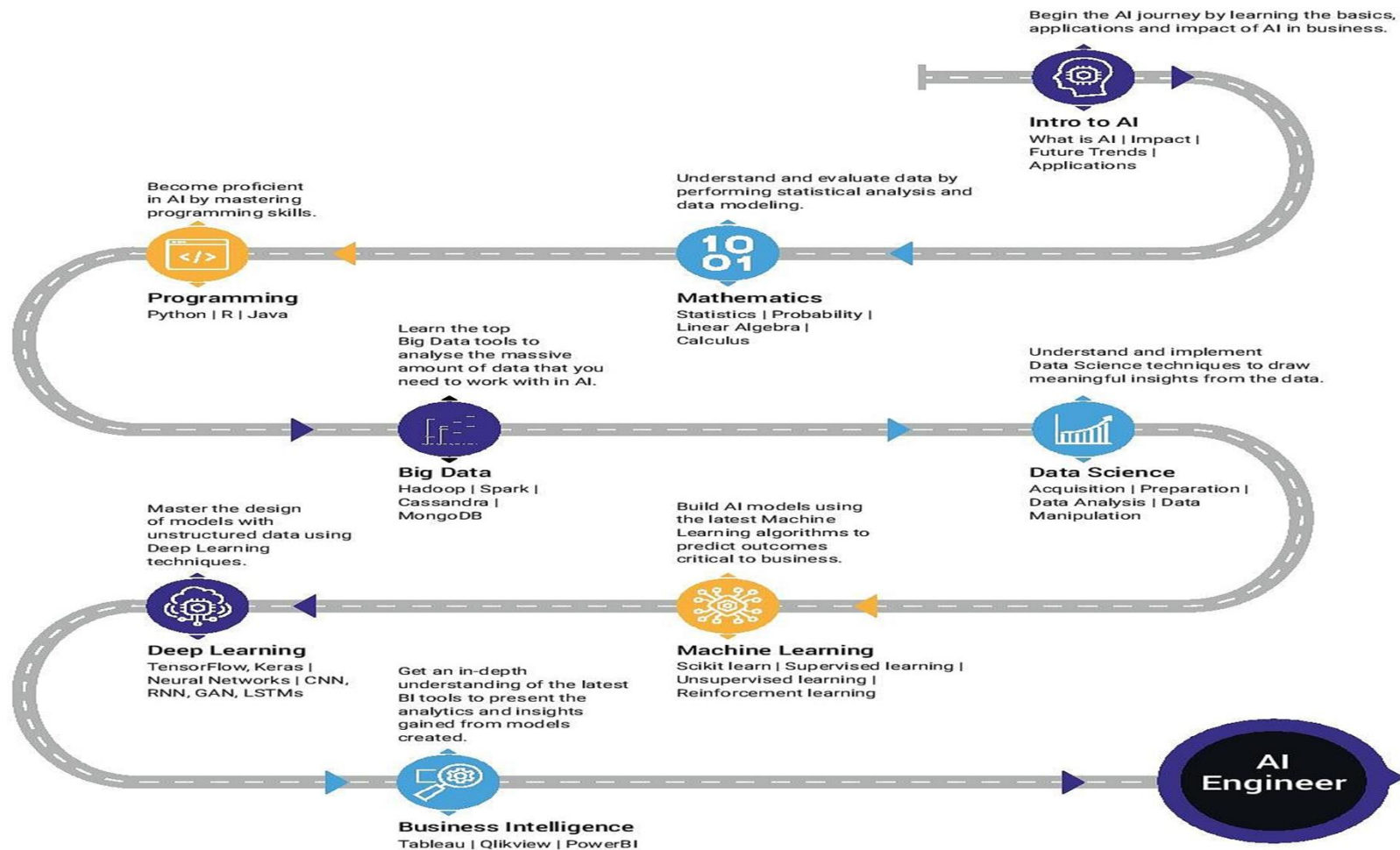


UNIT -II - AI Industry Adoption Approaches

LEARNING PATH

MAP TO YOUR FUTURE



Topics

- * AI Industry Impact,
- * Autonomous Vehicles,
- * Smart Robotics,
- * Future Workforce and AI,
- * Applications of AI. Main focus of AI,

<https://news.microsoft.com/transform/the-global-impact-of-ai-across-industries/>
<https://www.businessinsider.com/sc/artificial-intelligence-companies?IR=T>

- * **Manufacturing** [ABB's industrial robots](#)
 - * **Health Care and Life Sciences** [Adaptive Technology is using AI to decode the immune system and prevent disease.](#)
 - * **Public Sector** [Data Kind has a 'Vision Zero' initiative](#)
 - * **Retail** [Lowe's, Fellow Robots](#)
 - * **The CEO** (Commercial Business outlined) **Is the Center of any AI Strategy** [AI as a strategic imperative.](#)
- * A - Automotive
 - * B - Bioscience
 - * C - Creative Services
 - * D - Data
 - * E - Education
 - * F - Finance
 - * G - Gaming
 - * H - Healthcare
 - * I - Internet of Things

Benefits of Artificial Intelligence for Business

<https://itchronicles.com/artificial-intelligence/the-impact-of-artificial-intelligence-ai-on-business/>

- * The impact of AI on your business is huge as it helps to solve a great variety of tasks:
- * automate and optimize routine processes to save time and money
- * increase operational efficiencies
- * use cognitive technologies to make business decisions
- * avoid 'human error'
- * predict customer preferences and grow your customer base
- * generate quality leads
- * increase revenue
- * offer intelligent advice and support
- * **Use AI to Collect and Analyze Data**
- * **Use AI to Hire Employees**
- * **Make Your Backend Organization More Efficient with AI**
- * **Use AI to Improve Service**
- * **Build an AI-powered Marketing Platform**
- * **Industry Use Cases of Artificial Intelligence**
- * **Public Sector and Artificial Intelligence**
- * **Medicine and Health Under the Control of AI**
- * **Smart House**
- * **Insurance**

Autonomous Vehicles

The 5 levels of autonomous vehicles

- * Level 0 (No Driving Automation)
 - * Level 1 (Driver Assistance)
 - * Level 2 (Partial Driving Automation)
 - * Level 3 (Conditional Driving Automation)
 - * Level 4 (High Driving Automation)
 - * Level 5 (Full Driving Automation)
 - * <https://www.synopsys.com/automotive/autonomous-driving-levels.html>
- What is smart robotics?

- * The latest developments in smart robotics
- * Autonomous robots
- * Collaborative robots
- * Deep learning
- * Human-robot interaction
- * Cloud robotics
- * 5G connectivity

* Applications of smart robotics

* Benefits of smart robotics

- * Increased efficiency
- * Automation
- * Cost savings
- * Improved safety
- * 24/7 operation
- * Flexibility
- * Scalability

* The future of smart robotics and its possibilities

* Challenges and opportunities of smart robotics

* Final words

Autonomous Vehicles, Smart Robotics,

- * Autonomous Vehicles, Smart Robotics,-
- * <https://www.controleng.com/articles/robotic-transportation-self-driving-cars/>
- * https://www.robotics247.com/topic/category/autonomous_vehicles
- * Autonomous Vehicles,
- * <https://www.synopsys.com/automotive/what-is-autonomous-car.html#:~:text=Autonomous%20cars%2orely%20on%20sensors,different%20parts%20of%20the%20vehicle.>
- * <https://www.synopsys.com/automotive/autonomous-driving-levels.html>
- * <https://www.azorobotics.com/Article.aspx?ArticleID=125>
- * <https://robotics.umich.edu/research/focus-areas/autonomous-connected-vehicles/>
- * Smart Robotics,-
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<https://medium.com/@9series.solution/impact-of-artificial-intelligence-in-2019-18c00c6df875>

<https://itchronicles.com/artificial-intelligence/the-impact-of-artificial-intelligence-ai-on-business/>