Artificial Intelligence & Data Science

Artificial Intelligence & Data Science (AI&DS) is revolutionizing the technological landscape of humanity. It represents the capability of computing machines to think and make decisions autonomously. Today, AI is an omnipresent technology rapidly reshaping various aspects of daily life, including communications, transportation, finance, medicine, agriculture, computing, commerce, and trade. Data Science forms the foundation for developing and validating machine learning algorithms, which serve as the backbone for implementing AI tools.

A recent report by Price Waterhouse Coopers (PWC) forecasts a $15.7 trillion contribution by AI to the global economy by 2030. Consequently, the majority of career opportunities for students are expected to emerge in the fields of Artificial Intelligence & Data Science.

B.Tech : Artificial Intelligence & Data Science Curriculum

RAAK College of Engineering & Technology offers a four-year Artificial Intelligence & Data Science degree program, aligned with the Pondicherry University syllabus.
The Curriculam foucs areas are :

- ☑ Computer Science & Programming (R & Python)
- ☑ Algebra & Calculus
- ☑ Statistics & Probability
- ☑ Natural Language Processing
- ☑ Artificial Intelligence
- ☑ Machine Learning
- ☑ Deep Natural Networks
- ☑ Big Data & Blockchain
- ☑ Design Thinking
- ☑ Computer Vision

Career Pathways

While the program will lay the foundation of your transformation into global leader of the future, the immediate roles you will be able to take on after the program are

- ➤ AI Scientist
- ➤ Data Scientist
- ➤ Machine Learning Engineer
- ➤ Research Scientist
- ➤ Business Intelligence Researcher
- ➤ Robotics Scientist
- ➤ AI Engineer
- ➤ Big Data Analyst
- ➤ AI Consultant
- ➤ Automation Engineer
- ➤ Big Data Engineeer

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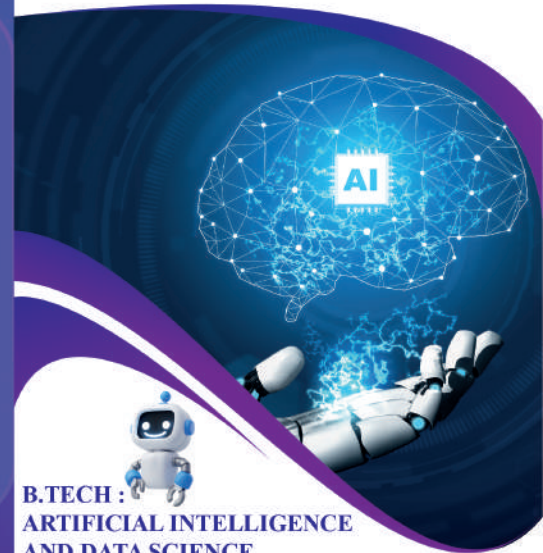Puducherry – 605 110.

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AI

B.TECH :
ARTIFICIAL INTELLIGENCE
AND DATA SCIENCE

What is Artifical Intelligence?

	THOUGHT	
	Systems that think like humans	Systems that think rationally
	Systems that act like humans	Systems that act rationally

BEHAVIOUR

HUMAN   RATIONAL

Data Science & Analytics

Statistical Analysis

- Manipulate
- Summarize
- Transforming
- Decision Making
- Investigation
- Cleansing
- Modeling
- Mining