

Diploma in ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

The Diploma in Artificial Intelligence (AI), a course designed and awarded by Rushmore Business School, provides a thorough empirical, theoretical and practical introduction to the field of Artificial Intelligence. This course appeals to school leavers who wish to pursue a career in the field of AI. It is also recommended to industry people working in the field of IT with a background of Mathematics or programming and who wants to build knowledge in AI.

The Diploma level develops the depth and breadth of the knowledge and understanding from certificate level and explores the various areas of Artificial Intelligence. It introduces Neural language, Image and Speech Recognition, Intelligent System, Ethics, Data Security and Governance and Application of AI.

Learning Outcomes

Upon successful completion of this course, graduates will be able to:

- Understand and explain Artificial Intelligence principles and practices, and its applications in different business domains.
- Perform data gathering, extraction, transformation, visualization, training and testing for building machine learning models.
- Develop, test and deploy Artificial Intelligence solutions using machine learning and deep learning algorithms, Artificial Intelligence services APIs, software frameworks and tools, in different problem domains.
- Analyse, tune and optimize the data set, machine learning and deep learning models for performance improvements.

Course Aims:


1. To provide an educational foundation for a career in Artificial Intelligence.
2. Understand the principles associated with Artificial Intelligence applications.
3. Learn Classification Algorithms, Deep Learning, NLP, Reinforcement Learning and Graphical Models
4. Create intelligent solutions such as Chatbots, Smart Games and Image Classifiers
5. Participate in hackathons and develop a portfolio of industry projects

Career Opportunities

- Machine Learning
- Data Scientist
- Research and development
- Business Intelligence
- Big data officer
- Creator of chatbots, image classifiers and smart games
- Speech and Image recognition expert

RUSHMORE BUSINESS SCHOOL

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STUDY MODE

Full Time / Part Time

DURATION

2 Years

TUITION FEES PER YEAR (RS)

125,000

ENTRY REQUIREMENTS

- 2 'A' levels including Maths at 'O' Level; or Maths at Subsidiary level at HSC or 'A' Level

HOW TO APPLY

Complete and submit the attached application form along with:

- two passport photos,
- a copy of your national ID
- a copy of your birth certificate
- copies of all your academic transcripts and certificates
- an application fee of Rs 1000

Your application may be submitted in person at Rushmore Business School's Registry

or

You may send us a scanned or electronically-filled copy of your application (along with the relevant documents) and settle the application fee via bank transfer.

Awarding Institution

Rushmore Business School

Assessment methods

Modules will be delivered through a mix of lectures, tutorials and guest lectures. Assessment methods include practical and written examinations, projects, reports, presentations and case studies.

Course Structure

Year 1

Semester 1

- Fundamentals of Artificial Intelligence
- Mathematics for Computing
- Programming with Python

Semester 2

- Fundamentals of Statistics
- Machine Learning
- Introduction to Data Science

Year 2

Semester 1

- Natural Language for Artificial Intelligence
- Big Data Analytics
- Intelligent Systems
- Production Project Part 1

Semester 2

- Artificial Intelligence in the Industry
- Data Security and Governance
- Ethics and Legal Issues in Artificial Intelligence
- Production Project Part 2

