

# Diploma in ARTIFICIAL INTELLIGENCE

The use of computers on a regular basis in our lives has become imperative. We have become dependent on ICT to make decisions. By gathering all information onto a digital platform, we are able to store, access, manipulate, calculate and analyze data and information.

The Diploma in Artificial Intelligence ensures that students are equipped with relevant skills to engage confidently in opportunities and challenges in ICT. Fundamental to this is the understanding of computer systems and the computing field at large.

## 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.

## Aims and objectives:


- To provide an educational foundation for a career in Artificial Intelligence.
- Understand the principles associated with Artificial Intelligence applications.
- Learn Classification Algorithms, Deep Learning, NLP, Reinforcement Learning and Graphical Models.
- Create intelligent solutions such as ChatBots, SmartGames and ImageClassifiers.
- 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

RUSHMORE COMPLEX,  
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## STUDY MODE

Full Time / Part Time

## DURATION

2 Years

## TUITION FEES PER YEAR (RS)

125,000

This Fee excludes both the Examination and Registration fees

## ENTRY REQUIREMENTS

2 A-Levels or equivalent

## 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 1

#### Semester 2

- Fundamentals of Statistics
- Machine Learning
- Programming with Python 2
- Production Project

### Year 2

#### Semester 1

- Natural Language for Artificial Intelligence
- Image and Speech Recognition
- Intelligent System
- Production Project

#### Semester 2

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

