

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS WITH SPECIALIZATION IN ARTIFICIAL INTELLIGENCE

Artificial Intelligence (AI) is the buzzword today that has touched almost every aspect of our life in a short span of time. Every industry has been influenced by these emerging technologies at an unbelievable pace. Almost every organization from startups to large companies across the globe is looking for AI based solutions to fulfill their business needs. AI experts are in high demand as organizations need to analyze the market requirements, explore the meaningful business insights, predict the consumer behavior and take wise decisions from this data. This course will provide the in-depth knowledge on Artificial Intelligence techniques and inculcate innovative and critical thinking to cater complex problems from industry.

OBJECTIVE OF THE PROGRAMME

The objective of this one year diploma course is to inculcate innovative and critical thinking with expert knowledge in the field of AI amongst the students. In this programme our focus is to provide the in-depth knowledge of in-demand skills of top companies.

Our experts have designed a specialized curriculum to provide the in-depth knowledge on AI techniques and inculcate innovative and critical thinking to cater complex problems from industry. We have a strong faculty team dedicated to AI domain to make you job ready for top companies. We invite you to learn from AI experts and gain practical knowledge for solving complex problems in different application domain such as: Medical, Manufacturing, Healthcare, Retail, Finance and Agriculture industries.

PROGRAMME OUTCOME

Upon successful completion of this course, the student shall be able to:-

1. Demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations.
2. Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.
3. Demonstrate awareness and a fundamental understanding of various applications of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models.
4. Have insight into the main methods used in machine learning (ML) and artificial intelligence (AI).
5. Demonstrate proficiency in applying scientific method to models of machine learning.
6. Demonstrate an ability to share in discussions of AI, its current scope and limitations, and societal implications.
7. Design and conduct experiments using the methods, with emphasis on evaluation.

CAREER OPTIONS

There are plenty of job opportunities available today ranging from software engineer to core AI and ML engineer. You just need to start riding this ladder to reach a promising career. Students can achieve career as:

- Software Engineer
- AI/ML Manager
- AI/ML Independent consultant
- Computer Programmers
- Computer Systems Analysts
- Computer Support Service Specialist
- Computer Presentation Specialist
- Database Administrators
- Subject Matter Expert

PROGRAMME FEE

Fee Per Year (In USD)	Fee Per Year (In so'm)	Fee Per Semester (In USD)	Fee Per Semester (In so'm)
\$4000	40,463,080	\$2000	20,231,540

PROGRAMME STRUCTURE

Programme Structure of Post Graduate Diploma in Computer Applications with Specialization in Artificial Intelligence:

Term-I	Term-II
Introduction to Artificial Intelligence & Machine Learning	Concepts to Machine Learning
Introduction to Machine Learning	Deep Learning and Its Applications
Introduction to Neural Networks	Cloud Platform for Artificial Intelligence
Problem Solving using Python	Problem Solving using R Script
Project	Capstone Project

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS WITH SPECIALIZATION IN INTERNET OF THINGS

The course discusses the fundamental concepts in Internet of Things (IoT) networking, and programming of Internet of Things applications, and ways to choose and apply different networking protocols for resource-constrained IoT devices. This course uses a blend of lectures and experiential learning tools to provide expertise in ideation, design, development, and deployment of IoT applications and systems. The course will provide hands-on experiential learning using leading IoT platform Arduino. This course provide an overview on the ICT ecosystem and enabling environment to foster Internet of Things including technology, standards and regulatory frameworks and application deployments

OBJECTIVE OF THE PROGRAMME

The course enables student to understand the basics of Internet of things and protocols. It introduces some of the application areas where Internet of Things can be applied. This course will enable the student to utilize various Embedded Technologies related to IoT and Communication Protocols. The course is also designed to learn the importance of IoT in society, the current components of typical IoT devices, IoT design considerations, constraints and interfacing between the physical world and device.

PROGRAMME OUTCOME

Upon successful completion of the programme, the students will be able to:-

1. Recognize the Components of The Internet of Things
2. Analyze various views and design constraints for IoT reference architecture
3. Explain the concepts of logical design of IoT System using Python.
4. Getting practical Knowledge of IoT Microcontroller Platform
5. Explain the Concept of Sensors and Actuators
6. Demonstrate the technologies and the standards relating to the Internet of Things
7. Implementation of IoT Protocols to solve real life problems

CAREER OPTIONS

The course is designed for aspirants who wish to gain insight into IoT career. There are various opportunities in IT sectors, Telecom, Agriculture, Automotive, Energy, Manufacturing etc. Students can achieve career as:

- Specialized IoT Engineer
- Application Consultant
- Enterprise Architect
- System Architect
- Business Process Architect/Developer
- IoT System Design Engineer
- Business Analyst
- Solution Architect
- Technology Consultant
- IoT System Manager
- Developer Consultant
- System Administrator
- Program / Project Manager

PROGRAMME FEE

Fee Per Year (In USD)	Fee Per Year (In so'm)	Fee Per Semester (In USD)	Fee Per Semester (In so'm)
\$4000	40,463,080	\$2000	20,231,540

PROGRAMME STRUCTURE

Programme Structure of Post Graduate Diploma in Computer Applications with Specialization in Internet of Things :

Term-I
Introduction to Internet of Things
IoT : Sensing & Actuator Devices
Embedded System
Problem Solving using Python
Project

Term-II
IoT Wireless Technologies & communication Protocols
Micro-controller programming using Arduino
Architecture and Design Principles for IoT
Applications of IoT
Capstone Project