



**Defence Institute of Advanced Technology**  
(Deemed University)

**An Autonomous Organization fully funded by  
Dept of Defence Research & Development  
Ministry of Defence,  
Government of India**

**Web: <https://www.diat.ac.in>**



### **Short Term Programme on “Artificial Intelligence & Machine Learning”**

**Name: Online Training and Certification Course on Artificial Intelligence & Machine Learning**

**Overview:** The short term training and certification course is a 12 weeks online course offering a mix between fundamentals and advanced topics of various domains of AI & ML such as **Probability Theory, Pattern recognition, Big Data Analytics, Computer Vision, Natural Language Processing, Augmented Reality, Deep Learning** and related advancements in the domain.

**Duration:** 12weeks online course(2 hours of contact classes/day & 5 days/week)

**Eligibility:** Graduate from any discipline.

*Selection will be based on online entrance test and registration for the test is mandatory.*

**Syllabus for test:** Knowledge of any programming language, Basics of Algorithms, Basics of Databases, Data structures, Modular Mathematics, Statistics, Probability theory.

**Registration Fees for Entrance Test: No Fees**

**Fees for the Course: Rs. 15,000/(excluding GST @18%)** [Need to be paid after qualifying in the Entrance Test and last date for the payment of fees is 26<sup>th</sup> Feb 2021]

**Registration for Entrance Test: Open from 28<sup>th</sup> Jan 2021 at the link:[onlinecourse.diat.ac.in](https://onlinecourse.diat.ac.in)**

#### **Important Dates:**

**Date:** Link for free registration for Entrance Test **28<sup>th</sup> Jan 2021 to 15<sup>th</sup> Feb 2021**

**Date of Entrance Test: 20<sup>th</sup> Feb 2021**

**Date of Result Declaration: 22<sup>th</sup> Feb 2021**

**Last date for the payment of fees: 26<sup>th</sup> Feb 2021** (for the candidates qualified in the Entrance Test)

**Date of Commencement of Course: 28<sup>th</sup> Feb 2021**

Any clarification contact: [ai@diat.ac.in](mailto:ai@diat.ac.in)



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**Short Term Programme on “Cyber Security”**

**Name: Online Training and Certification Course on Cyber Security**

Overview: The short term training and certification course is a **12 weeks online course** offering a mix between fundamentals of cyber security and advanced topics such as **forensic and incident response, system programming, reverse engineering and malware analysis, basic and advanced vulnerability analysis, exploit mitigation and penetration testing** followed by the tools and techniques for Cyber Security professionals.

**Duration:** 12 weeks online course(2 Hours of contact classes/day & 5 days/week)

**Eligibility:** Graduate from any discipline.

*Selection will be based on online entrance test and registration for the test is mandatory.*

**Syllabus for test:**

- Fundamentals of OS: memory management, IPC, kernel architecture, kernel interaction, process management, device management, file management, security), practical knowledge of BSD based OS, shell programming, Windows 32/64 APIs.
- Networking: OSI, TCP/IP, socket programming, win32 socket APIs, server messaging block, application and ports, TLS/SSL including TLS1.3, Firewalls, UTM, routing protocols, routers – core/edge routers, ASN, IPv4/v6.
- System Software: basic knowledge of assembly – x86 instruction set, addressing modes, registers, Main memory space.
- Data Structures
- Knowledge of programming language (C/C++/Java/any Object Oriented language, any one scripting language – php/python/ruby/perl).

Registration Fees for Entrance Test: **No Fees**

Fees for the Course: **Rs. 15,000/- (excluding GST @18%)** [Need to be paid after qualifying Entrance Test and last date for the payment of fees is 26<sup>th</sup> Feb 2021]

Registration for Entrance Test: **Open from 28<sup>th</sup> Jan 2021 at the link: [onlinecourse.diat.ac.in](https://onlinecourse.diat.ac.in)**

**Important Dates:**

Date: Link for free registration for Entrance Test **28<sup>th</sup> Jan 2021 to 15<sup>th</sup> Feb 2021**

Date of Entrance Test: **21<sup>st</sup> Feb 2021**

Date of Result Declaration: **22<sup>nd</sup> Feb 2021**

Last date for the payment of fees: **26<sup>th</sup> Feb 2021** (for the candidates qualified in the Entrance Test)

Date of Commencement of Course: **28<sup>th</sup> Feb 2021**

Any clarification contact: [cs@diat.ac.in](mailto:cs@diat.ac.in)