

Indian Institute of Information Technology Lucknow

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M.Sc. Artificial Intelligence & Machine Learning (AI &ML)

Offered By Department of IT

At a Glance

Indian Institute of Information Technology, Lucknow (IIIT Lucknow) is one of the 20 IIITs being set up by the Central Government in Public Private Partnership (PPP) mode, declared as 'Institute of National Importance' by the Act. Of Parliament, Govt. of India. The Institute is being set up with the financial contributions of MHRD, Govt. of India, Govt. of Uttar Pradesh, and U. P. Electronics Corporation Ltd. as industry partners. The mission of IIIT Lucknow is to be a unique and world class nucleating "Apex Center of Excellence" in the area of Information Technology to enhance India's Technological strength. It currently offers all the amenities, academic and nonacademic to its students that can help them flourish and serve the nation with all their apprehension in the various fields of technology. IIIT Lucknow seeks to derive its strength from a linkage with sound Indian traditions of centuries past, and sets out to create knowledge-based resources in regional languages.

Department of Information Technology is the oldest running department in IIIT Lucknow from 2015. It consists of a team of highly dedicated, learned and wellqualified faculties. Department of IT also provides B.Tech and Ph.D programmes. Information Technology deals with the application of computers to solve real-world problems to facilitate businesses and create Information Systems. As the world becomes technologically advanced every day, welltrained IT professionals are needed. Courses designed by IIIT Lucknow are according to the industry requirements. The curriculum is revised regularly to keep up the future needs of the industries.

IIIT Lucknow

Department of IT

M. Sc. (AI & ML)

Eligibility & Selection

JAM Joint Admission Test for Masters Students completed B.A./BCA/B.S./B.Sc./B.Stat. /B.Math./ B.Tech/B.E. or any other equivalent degree with IT/ CS/ Mechanical/Electronics/ Electrical/ Mathematics/ Statistics or any other related field as major are eligible to apply. Selection for the programme will be through Joint Admission Test for Masters (JAM). For further information related to admission test, syllabus, cutoff etc. will be available on the JAM website.

How to Apply

CCMN https://ccmn.admissions.nic.in/ CCMN is a centralized counseling platform for the candidates who seek admission in M.Sc./M.Tech. programmes. It is based on the JAM score of the year, in NITs, IIITs and some GFTIs (for details, please refer to the list of Participating Institutes on the website). It is a convenient platform for online counseling wherein the candidates can fill-in a single online application form and apply to all the programmes offered by the participating institutions to which they are eligible.



M. Sc. (AI & ML)

This two-year course has been designed to keep pace with the rapidly growing industry requirements. It intends to teach the fundamentals and applications of Artificial Intelligence & Machine Learning. Artificial Intelligence is technology that enables a machine to simulate human behavior. Machine learning is a subfield of AI which enables machine to learn from past data or experiences without being explicitly programmed.

This programme will provide high quality learning to give better competitive advantage. Major subjects covered will be-Programming, deep learning, NLP, DAA, Image & Vision processing to name a few. To provide better research oriented approach, Thesis work is introduced from 2nd sem. onwards with a healthy pool of electives choices.

This curriculum is modern & innovative which give a broader outlook on the function of the two fields. One can get bright career opportunities like- Game programmer, Robotics Scientist, Computer Scientist, Big data Scientist & User experience specialist.



Course Structure M. Sc. (AI & ML)

 AI & ML with Python (4 cr) AI & ML with Python (4 cr) Mathematics for AI & ML (4 cr) Probability & Statistics (4 cr) Professional Communication (3 cr) Yoga & Fitness (1 cr) 	 Second Semester Deep Learning (4 cr) Data Structures (4 cr) Database Management System (4 cr) Image & Vision processing (4 cr) Research Methodology & Technical Writing (2 cr) Competitive coding I (2 cr)
 hird Semester Natural language processing(4 cr) Reinforcement Learning (4 cr) Design & Analysis of Algorithms (4 cr) Competitive coding II (2 cr) Elective-I (4 cr) 	Fourth Semester • Thesis/Internship (20 cr)
Pool of Elective (will be offered as	per the availability of Faculties)
 Information Retrieval Data mining & warehousing AI for IoT Data Security Mobile Application Development using AI/ML Distributed AI Advanced Computer Algorithms 	 AI Blockchain TensorFlow MLOps & Cloud Distributed Systems Soft Computing Software Engineering Optimization Techniques

	Seat matrix									
GEN	GEN-PwD	EWS	EWS-PwD	SC	ST	ST-PwD	SC-PwD	OBC	OBC-	Total
									PwD	
11	1	3	0	5	2	0	0	8	0	30

Fee Structure

Semester-wise	Ι	II	III	IV	
Total Fees	Rs.72000	Rs.51500	Rs.53500	Rs. 51500	

* Hostel and Mess charges will be separate.



IIIT Lucknow Department of IT

Contact:

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