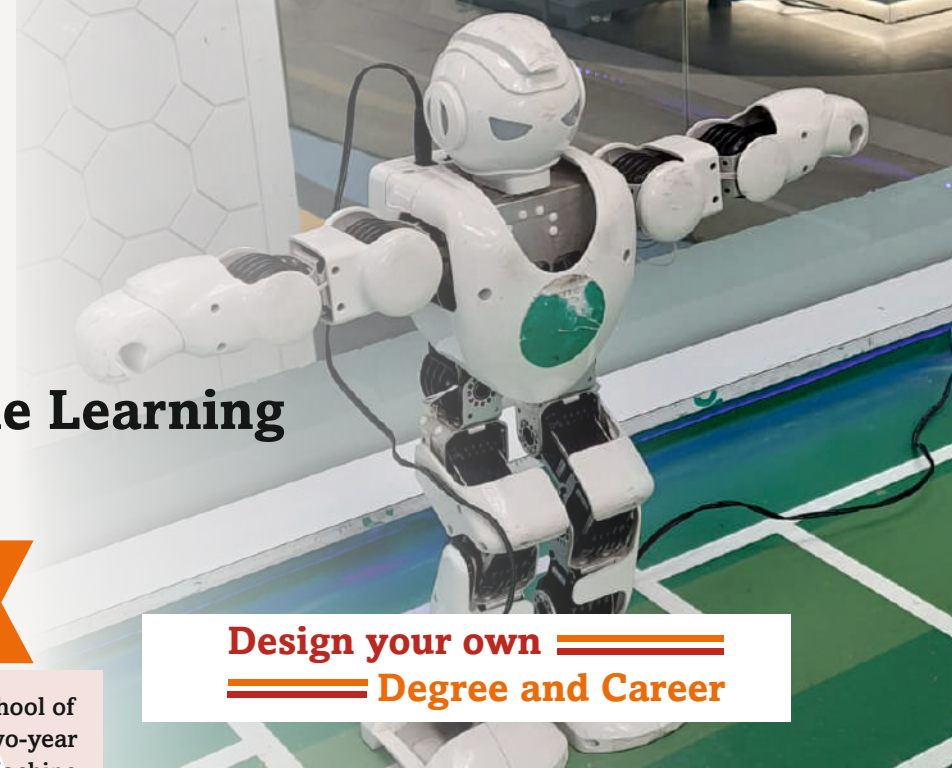# M.Tech CSE
Artificial Intelligence & Machine Learning

About the Program

- Department of Artificial Intelligence and Machine Learning under the School of Computer Science and Engineering, Manipal University Jaipur offers a two-year M.Tech in Computer Science and Engineering (Artificial Intelligence & Machine Learning) program for the young professional who want to build their future in the field of AI&ML.

- The major focus of M.Tech CSE (Artificial Intelligence and Machine Learning) is on enhancing students' technical skills and expertise in implementing and deploying AI & ML solutions for real-world applications. M.Tech CSE (AI&ML) enable students to design and develop intelligent systems and applications that can learn and adapt to changing environments. The Programme promotes research in the field of Artificial Intelligence & Machine Learning and encourages students to undertake research projects that contribute to the advancement of the field.

- The university adopts Choice Based Credit System (CBCS) and offers credit exchange programs for students to study in foreign universities of repute. The University provides a unique environment for the overall development of students under the able guidance of experienced, qualified, and dedicated faculty members. Students can register for multiple elective subjects and have the option to choose elective subjects from various streams. Industry experts are invited at regular intervals to address the students and give them important industry perspective in the curriculum.

Design your own Degree and Career

Healthcare Informatics
Recommendation System
Reinforcement Learning
Biomedical Imaging
Computer Vision
Graph Neural Network
Cognitive Computing
Speech Recognition
Behavior Data Analysis

AIML

Key Highlights of the Program

- Contemporary & Future Oriented Curricula
- Faculty with Extensive Industry Exposure
- High- End Research Facility
- Industry Based Internship & Projects
- Strong Industry Connect with IT Companies e.g. (Intel, IBM, Oracle, Cisco, EC - Council, VM Ware, Microsoft, Dell & Secure Meters)
- Excellent & Growing Collaboration with Foreign Universities.

Career Opportunities

- Machine Learning Engineer
- Data Scientist
- AI Research Engineer
- Robotics Engineer
- AI consultant
- Technical Architect
- Research Scientist
- AI Software Engineer
- AI DevOps Engineer
- Computer Vision Engineer
- Natural Language Processing (NLP) Engineer
- AI Solutions Architect

Key Research Areas

- Health Care Analytics
- AI-based Computational Engineering using Hierarchical Deep Learning Neural Network
- Computer Vision in Medical Analysis using Deep Learning
- Business intelligence and big data analytics
- Societal implications of use of predictive analytics
- Neural Machine Translation to Local languages
- Gesture and Behaviour Analysis
- Handwriting Recognition
- Deep Fake detection and Image Manipulation
- Automatic Speech Recognition for Indian Languages
- Biomedical Imaging
- Game theory and mechanism design for multi-agent systems
- Multi-agent machine learning and artificial intelligence
- Question Answering System based on NLP

- Robotic Process Automation and Artificial Intelligence
- Recommendation System and Intelligent Task Routing

Industry Collaborations

- Cisco Academy
- EC Council Global Certification
- Oracle Academy
- VM Ware IT Academy
- Microsoft Imagine Academy
- Dell Technologies
- Secure Meters
- IBM Academy

MoUs From Academia

- The University of Newcastle, Australia
- Iowa State University of Science & Technology, USA
- Prince Sultan University Riyadh, Saudi Arabia
- The Southern Federal University
- Deakin University Victoria, Australia
- University of Florida, USA
- Florida International University
- Polytechnic Institute of Leiria, Portugal
- University of Ostrava Czech Republic
- Technical University of Varna, Bulgaria

International Collaborations

- St. Cloud State University Minnesota, USA
- IOWA State University of Science & Technology, USA
- King Mongkut's University of Technology, Thailand
- Deakin University Victoria, Australia
- AL Farabi Kazakh National University, Kazakhstan
- Tomsk State University Russia

MANIPAL UNIVERSITY JAIPUR
INSPIRED BY LIFE

The MUJ EDGE (Why MUJ)

ज्ञान–विज्ञान विमुक्तये **UGC**	**NAAC A+ Grade** with 3.28 Score	**AICTE**	RANKINGS 2022 **Engineering: 75 Management: 85 University: 101-150**
MUJ AIC MUJ INCUBATION FOUNDATION	**NBA Accredited B.Tech. Programs** (for 3 Years from 2021-2024) CSE, IT, ME, Mechatronics, ECE.	**12000+ Students**	more than **₹ 6 Crores** Worth Scholarships for Meritorious & Deserving Students
70 Years of Established Legacy of Manipal Education	**Land Area: 122 Acres** Built-up Area: 2.73 Million Sq. Ft	**Excellent Internships & Placement Opportunities**	**100+** National & International Collaborations with Institutes and Universities

Eligibility

B. Tech/B.E in CSE, CE, IT, ISE, AIML, EE, ECE, Mechatronics Engg or equivalent branch of Engineering/ MCA/MSc(IT)/MSc(Mathematics)/ MSc(Statistics) with minimum 50% marks in aggregate in the relevant field. Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.

Scholarships

For pursuing MTech Program, Manipal University Jaipur's offers a monthly stipend of Rs. 5,000/- to 10,000/- for meritorious students and a monthly scholarship of Rs. 15,000/- for GATE-qualified students.

Fee structure

Program	Program Fee (For 2 Years)	
	Indian (Rs)	International (USD)
M.Tech	3,87,000	8,300

Potential Recruiters

- Microsoft
- Amazon
- Accenture
- Wipro Elite
- Ericsson
- Dell
- Birlasoft
- Wipro Elite
- MindTree
- Capgemini and many more…

Unique Research and Lab Facilities

- Research Facilities with high power deep learning workstations with GPU RTX2020 configurations.
- Artificial Intelligence lab with GPU Nvidia Quadro P2200.
- High Performance Computing lab equipped with PARAM SHAVAK (India's first compact supercomputer)
- Advanced Computing Lab with GPUs platform in association with NVIDIA
- Data Analytics lab on Python platform in association with EMC2
- Internet of Things Lab with Edge devices Raspberry Pi and Arduino, Jetson Nano kit. IoT lab supported by Texas Instruments, ARM, and Intel
- Research Cluster of Artificial Intelligence and Machine Learning for taking Innovative Projects.
- Wireless Communication lab equipped with Qualnet, WARP boards and modern sensors.
- Professional tools such as Nessus and Burpsuite Professional for performing live practical on Penetration testing.

Specialization Tracks:

- AI and Robotics
- Machine Learning
- Knowledge Management and Reasoning
- Computer Vision
- Health Care Analytics
- Behavior Analytics

Admission Process

Application form initiated through our website
admissions.jaipur.manipal.edu

Applicants must submit a completed application
form with relevant documents within the due date.

Our counsellors will guide candidates through the
admission process, which is as per regulatory requirements.

Please visit the FAQ section on our website to
know more about the admission process.

More about the Department
Scan the QR Code

Follow us on f ⊙ in You Tube
Department Social Media Connect

Hostel Details

⌕ **goodhostspaces.com** ☎ **08069122800**
info.jaipur@goodhostspaces.com

Please visit
https://jaipur.manipal.edu/muj/life-at-muj/hostel-facility.html

Counsellor Contact Details

Ms Anita Sharma
📞 **8306006852**

For Admission
Scan this QR Code

For Virtual Tour
Scan this QR Code