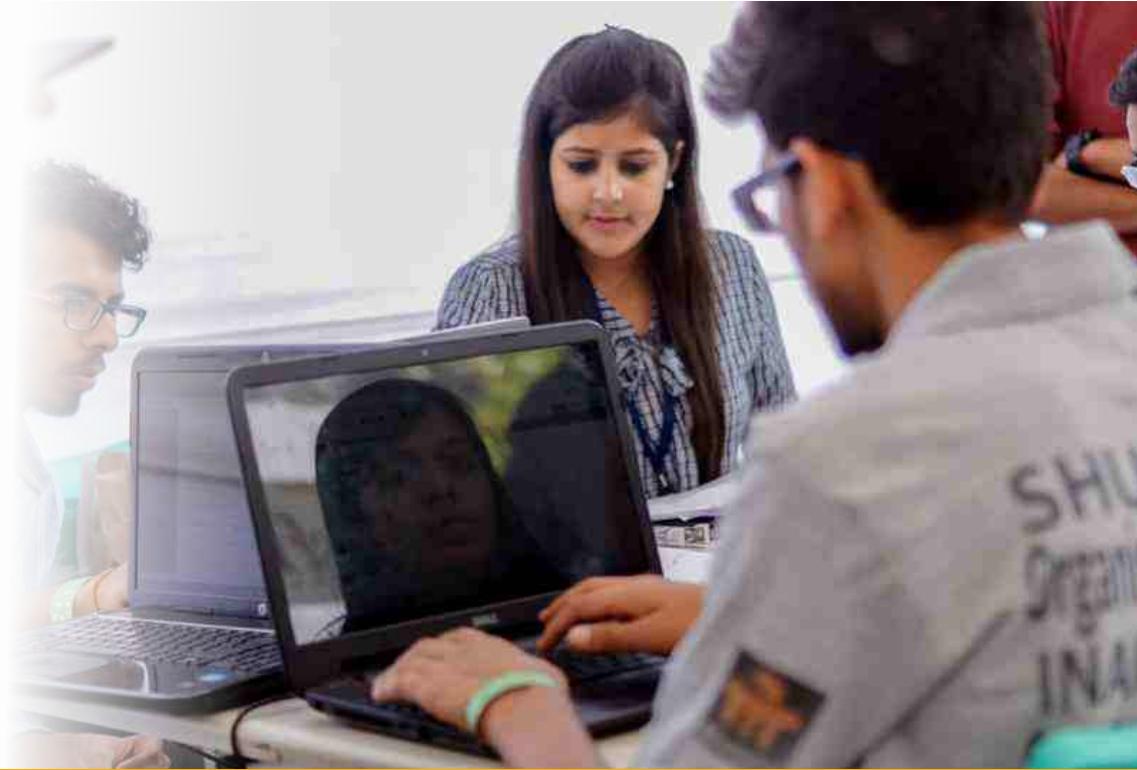




MANIPAL UNIVERSITY  
JAIPUR

# M.Tech Data Science

## Admission 2026-27



### About the Department

In today's digitally connected world, Data Science has emerged as a driving force behind global innovation and intelligent decision-making. The Department of Data Science was established in 2022 with a vision to develop skilled professionals capable of transforming data into meaningful insights and impactful solutions. Since its inception, the department has steadily grown in academic strength, research focus, and technological infrastructure.

The department is equipped with modern computing and advanced research facilities, including high-performance computing systems, GPU-enabled laboratories, and specialized research environments that support Artificial Intelligence, Machine Learning. To meet the growing global demand for data professionals, the department offers the M.Tech in Data Science program, aimed at preparing students for careers as Data Analysts, Data Scientists, AI Engineers, and research professionals in academia and industry. The Department of Data Science is committed to academic excellence, research innovation, and nurturing future leaders in the data-driven world.

g, Big Data Analytics, and related emerging technologies. These facilities provide students with hands-on exposure to industry-relevant tools and real-world problem-solving environments.

## Key Highlights of the Program

- Data Science/ Analytics, Big Data, Artificial Intelligence, Machine, and Deep Learning Techniques
- Scholarship worth (INR 15000 per month) to candidates having valid GATE score (maximum number of scholarships to be given each year is limited to 25% of the sanctioned seats or 20 whichever is lesser)
- Teaching Assistantship to be provided (as per the recommendation of the departmental selection committee at the time of admission)
- Opportunity to take up internships at more than 25 universities abroad like Iowa State University US, Ngee Ann Polytechnic Singapore, La Trobe Australia, King Mongkut's University Thailand and many more.
- Opportunity to work on ongoing in-house/sponsored projects.
- Dedicated Computing Research Lab with high-end computers, including a supercomputer (>3 TFlops)
- Research Excellence & Global exposure with learned faculty (published over 500+ research articles), the majority from NIT, BITS, and IITs.
- Professional Development Grant for presenting papers at International and National Conferences.
- Professional Chapters - Association for Computing Machinery (ACM), IEEE, and ACM-W and IEEE Women in Engineering (WIE) chapters
- Bi-Monthly Coding challenges, hackathons and competitions under ACM and IEEE Student Branch
- Placement's assistance (Mock Drives/Interviews)
- Students' involvement and mentorship for various coding challenges and competitions
- Research seminars and workshops for students organized time to time
- ACM Student volunteering for technical and professional growth

and getting a chance to win some national and international awards like epsilon-Pi, India chapters award by ACM (Association for Computing Machinery).

- One year Industry Internship in companies like:

## Unique Research And Lab Facilities

- 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
- Smart Systems lab supported by Secure Meters Ltd
- IoT lab supported by Texas Instruments, ARM, and Intel
- Hands-on learning with multiple programming environments (R, ALTAIR, Python, Hadoop, Spark, and SQL)
- State-of-the-art academics and research labs related to data analytic
- NetSim Emulator Lab
- Centre or Excellence for AI and ML with Intel.
- Wireless Communication lab equipped with WARP boards and modern sensors
- State-of-the-art CIDCR computing lab equipped with EEG Server.



## The MUJ EDGE (Why MUJ)

- NBA, NAAC A+, AICTE, and UGC Accredited Institution
- State-of-the-art Laboratories equipped with the latest technology like ALTAIR R, STATA, Python, Hadoop, and Spark)
- Qualified and Experienced faculty members
- Practical Learning through projects
- Supercomputing facility PARAM-SHAVAK (India's first compact supercomputer)
- Infrastructure and Learning Resources
- Laboratories set up by collaborating with C-DAC, NVIDIA, CATIA, BOSCH, Siemens, and Rexroth
- Central Library as a Learning Resource and e-library
- Research Facilities are provided so that students can refer to huge resources of E-journals and repositories such as IEEE, Elsevier, Springer, Wiley, and ACM free of cost.
- Centre of Excellence in industry collaboration with ALTAIR
- Smart Systems lab supported by Secure Meters Ltd
- IoT lab supported by Texas Instruments, ARM, and Intel
- Wireless Communication lab equipped with WARP boards and modern sensors
- MoU signed with many leading universities and industry to facilitate students with latest technologies and to make them industry ready
- The electives can be chosen by students to specialize in any of chosen vertical of computing domain.
- Open Electives from other fields to broaden a student's perspective and technical acumen for their overall growth
- Industry visits for various students to get and industrial perspective and product development
- Emphasis on project-based learning by emphasizing more hands-on lab projects & various other projects and research work.

## Career Opportunities

- Business Intelligence Analyst
- Data Mining Engineer
- Data Architect
- Data Scientist/ Senior Data Scientist
- Data Engineer
- Data Analyst
- Software Developer
- Data Statistician
- Machine Learning Engineer

## Placements Statistics

- Highest Package: 35 LPA
- Average Package: 8.2 LPA
- No of Offers Made: 800+
- No of Recruiters Visited: 527+

## Prominent Recruiters

Microsoft	Amazon	Accenture
Wipro Elite	Ericsson	Dell
Birlasoft	Wipro Elite	MindTree
IBM	Insolare	Intellipat
Capgemini	SAP	and many more...

## National and International Collaborations

### National Collaborations:

- ALTAIRS Data Science
- Oracle Academy
- CellForce

### International Collaborations:

- La Trobe University, Australia
- King Mongkut's University of Technology North Bangkok, Thailand
- Deakin University Victoria, Australia



## Research Areas of the School

DSE offers specializations in several research domains of computer science. Strong Institutional Linkages to the faculty and students through:

- Machine Learning and Data Science
- Data Analytics
- Artificial Intelligence
- High-Performance Computing
- Big Data and Internet of Things
- Information Systems and Networks
- Software Engineering
- Image Processing and Computer Vision
- Soft Computing Techniques
- Cyber-Physical Systems
- Cyber and Information Security

## Key Student Achievements

- Achieved Various International and National Awards.
- Achieved awards from various IT companies during internship.

### Research Achievement of Students

Publications in Various Reputed Journals like

- Scientific Reports (Nature)
- Intelligence-Based Medicine (Elsevier) & many more

### International Conferences

- ISDIA-2026, Dubai (Springer, Scopus-Indexed)
- ICAC-2024 (International Conference)
- ISDSI Global Conference 2024
- Hanoi Conference (Springer, Scopus-Indexed) & many more

### Fee structure

Program	Program Fee (For 2 Years)	
	Indian (Rs)	International (USD)
M.Tech-Data Science	3,87,000/-	9,100

### Eligibility

The candidates must have passed B. Tech/BE/AMIE in CSE, IT, CCE, ECE, EEE, Information Science, or M.Sc. Computer Science or IT or Information Science / MCA with **minimum 50% marks in aggregate or equivalent CGPA.**

**ADMISSIONS** will be on the basis of interview. However, following cases would be exempted:

- Candidate having valid GATE score

### Curriculum (Only Scheme)

Academic Year: 2026-27								Total Credits: 80			
Semester-I				Semester-II							
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C
DSE6101	Mathematical Foundations of Data Science	4	0	0	4	DSE6202	Deep Learning	3	1	0	4
DR6001	Research Methodologies	3	0	0	3	DSE6203	Data Visualization	3	1	0	4
DSE6102	Advanced Data Structures and Algorithms	3	1	0	4	DSE6242/ DSE6243	Image Processing and Pattern Recognition/Recommender Systems	3	0	0	3
DSE6103	Machine Learning Techniques	3	1	0	4	DSE6245/ DSE6244	Business Process Engineering/Web Analytics and Development	3	0	0	3
DSE6141/ DSE6143	Data Preparation and Analysis/Knowledge Discovery	3	0	0	3	DSE6222	Generative AI	3	0	0	3
DSE6121	Machine Learning Application for Music Data Processing and Retrieval.	3	0	0	3	DSE6223	Deep Fake Technology	3	0	0	3
DSE6130	Advanced Data Structures and Algorithms Lab	0	0	2	1	DSE6231	Deep Learning Lab	0	0	2	1
DSE6131	Machine Learning Techniques Lab	0	0	2	1	DSE6230	Data Visualization Lab	0	0	2	1
DSE6170	Minor Project 1	0	0	0	2	DSE6271	Minor Project 2	0	0	0	3
<b>Total</b>		<b>19</b>	<b>2</b>	<b>4</b>	<b>25</b>	<b>Total</b>		<b>18</b>	<b>2</b>	<b>4</b>	<b>25</b>
<b>Total contact hours</b>		<b>25</b>				<b>Total contact hours</b>		<b>24</b>			
Semester-III				Semester-IV							
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C
DSE7171/ DSE7172	Dissertation-I/ Industry Internship-I	0	0	0	15	DSE7271/ DSE7272	Dissertation-II/ Industry Internship-II	0	0	0	15
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>Total contact hours</b>		<b>0</b>				<b>Total contact hours</b>		<b>0</b>			

## Admission Process



Application form initiated through our website  
[admissions.jaipur.manipal.edu](https://admissions.jaipur.manipal.edu)



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

## Hostel Details

[goodhostspaces.com](https://goodhostspaces.com) ☎ 08069122800  
[info.jaipur@goodhostspaces.com](mailto:info.jaipur@goodhostspaces.com)

Please visit

<https://jaipur.manipal.edu/muj/life-at-muj/hostel-facility.html>

## Counsellor Contact Details

☎ 1800 1020 128



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.



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MANIPAL UNIVERSITY  
JAIPUR  
(University Under Section 2(f) of the UGC Act)

📍 Dehmi Kalan, Jaipur-Ajmer Expressway, Jaipur, Rajasthan - 303007

✉ admissions@jaipur.manipal.edu | Follow us on: 

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