



**Indian Institute of Information Technology Sri City Chittoor
(Institution of National Importance under an Act of Parliament)**

MTech in AI & ML
Information to Candidates
(Non-GATE Category)

About IIIT Sri City

IIIT Sri City (IIITS) was established in 2013 as an Institute of National Importance under an Act of Parliament by the Government of India along with the Government of Andhra Pradesh and Industry Partners-Sri City Foundation.

Location- Industrial City

The institute is located as an integral part of the industrial town Sri City, about 60 KMs from Chennai on the Nellore Highway. Sri City is spread over 8000 acres encompassing a multi-product Special Economic Zone, Domestic Tariff Zone, Free Trade & Warehousing Zone and Electronics Manufacturing Cluster. Sri City is hosting over 200 manufacturing companies from 29 countries. Sri City hosts MNCs from Japan, China, Korea, UK, Netherlands etc. IIITS is located alongside Sri City industrial town. The institute has access to the industries and social infrastructure available in Sri City (www.sricity.in) through the Industry Partners.

Highly Qualified Faculty

IIITS aspires to be a Nationally Relevant and Globally Competitive Entrepreneurial Institution for Information Technology Education, Research and Development. We strongly believe in the philosophy that good faculty can guide the students' learning and shape their careers. Hence, the institute has carefully planned and on boarded faculty members who are alumni of globally known institutions. Many of them have received PhDs from IITs/IISc or top overseas universities. Notably, all our faculty members have unique research or industry experience. The institute has a special thrust to attract and retain talented faculty members who can make a mark in excellence teaching and research at the international level. The current team of faculty members at IIITS is from leading universities from India and abroad with excellent teaching and research credentials. Visit: www.iiits.ac.in/people/regular-faculty/

Research & Development

The faculties are quite active in their research; and importantly are able to translate their knowledge and experience into academic and research advancements of students. Over the last 5 years, the faculty have secured around 20 sponsored projects. These projects are funded by several Govt of India agencies such as DST, MEITY, DRDO, and ISRO and industries such as NVIDIA, Hella Automotive, etc. IIITS has significant focus on UG- research, sponsored projects and scholarly publications.

The Design Innovation Centre (DIC) at IIIT Sri City is working towards promoting a culture of innovation and creative problem solving, undertaking systematic design through projects,

enhancing interdisciplinary design-focused innovation, etc. Over the last 5 years, our faculties have got 150+ journal publications and around 100 national/international conference publications, while being at IIIT Sri City.

BTech Programmes

Established in 2013, IIIT Sri City Chittoor (IIITS) has emerged as one of the top institutes among its peers due to academic and research advancements. The institute presently offers BTech programmes in two disciplines- Computer Science and Engineering (CSE) and Electronics and Communication Engineering (ECE). With a view to provide skilled engineers, the Institute is offering BTech specializations in AI & Machine Learning, Cyber Security and Data Science under CSE programme. ECE programme offers specialization in Cyber Physical Systems.

Innovation and Entrepreneurship

IIIT Sri City, Chittoor promotes a culture of innovation and entrepreneurship that will help to grow the institute, while also helping faculty and students to fulfil their potential and to serve the needs of the community. We foster entrepreneurship and innovation through the following ways

Gyan Circle Ventures: Gyan Circle Ventures (Centre for Innovation and Entrepreneurship Development at IIITS (CIEDI), a Section 8 Company) is the Technology Business Incubator of IIIT Sri City. The center is funded by Ministry of Information Technology (MeitY) under TIDE 2.0 as a Group 2 Centre to promote deep-tech entrepreneurship through financial and technical support to incubators engaged in using emerging technologies such as IoT, AI, Block-chain, Robotics etc. in areas including manufacturing, education, Smart Cities, etc. Students get the opportunity to engage with the Startups supported by Gyan Circle Ventures, the TBI funded by MeitY under TIDE 2.0 scheme.

Institute Innovation Cell: Ministry of Education, Govt. of India has established the Ministry of Education's Innovation Cell (MIC) (<https://www.mic.gov.in/>) to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs) pan India. The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas while they are in formative years. Indian Institute of Information Technology, Sri City, Chittoor is one of the institutes to be selected for establishing the Ministry of Education – Institute Innovation Council (IIC). As an IICs our students and faculty will have ample opportunities to routinely interact with MIC and to participate in various Innovation initiatives and Atal Ranking of Institutions on Innovation Achievements (ARIIA) by Govt. of India.

E-cell @ IIIT Sri City supports and enables you to create innovative ideas and convert them into business opportunities. It prepares you to take up jobs in high tech startups and be successful partners in growing the organizations. E- Cell @ IIIT Sri City will be undertaking many of the following activities in order to help students learn the intricacy of entrepreneurship and Intrapreneurship by practicing it.

Industry Engagements

IIITS engages tightly with many IT and ECE companies with multiple objectives, for placement and internship opportunities, for research collaboration, as co-coordinators for workshops, and invited speaker participation for various technical events. The companies IIITS ties-up with are not just big MNCs but also successful startups. A team of faculty visit various companies in major cities such as Bangalore, Hyderabad, and Chennai. We conducted workshops in Bangalore and Chennai where we invited key speakers from various MNC and startups; we took some representative students from

our institute for these workshops. Our experience shows that such workshops stimulate creative discussions among students, faculty, and industrialists leading to synergistic partnerships.

A collaboration has been established by IIIT Sri City through a MOA with Data Security Council of India (DSCI- www.dsci.in), set up by NASSCOM for conducting joint academic and research programs in Cyber security. The MoA is part of preparation to support a new BTech specialization in Cyber Security launched by IIIT Sri City. The MOA is designed to have Hackathons, Niche skill building training programmes, Collaboration projects, Market research and Workshops on Cyber Security and privacy in various DSCI initiatives like Skill building, Cyber security industry building and any other similar programmes.

The institute also conducted various workshops with extensive involvement and participation: The names of the workshop are as follows: Workshop on Industrial Applications of AI & Machine Learning, Workshop on Cyber Security Technologies and Applications, Workshop on Socially Relevant Technical Education, and Workshop on Information Security.

Campus Infrastructure

In 2018, we moved to our new campus, which hosts the best in class infrastructure to support high-quality learning and living environments. Each floor of the building has designated spaces including state of the art air-conditioned classrooms, labs, and faculty cabins and student activity centers. Currently, we have two blocks of hostels and a large dining facility. A large complex of hostel rooms and additional facilities are under construction.

Inclusive Learning

IIITS emphasizes and encourages students to be self-learners, gain experiential learning through involvement in developmental activities. We also believe that in the long-run, an individual's success is decided not only by the technical skills but also by his or her social behaviour, leadership skills and ability to work in diverse teams. Inclusive learning is ensured in multiple levels of engagements-among students to develop leadership and team working skills, help fellow students who require additional training and be able to serve the communities around them. The institute has more than 15 clubs comprising technical, cultural and social domains. The technical clubs take up activities relating to competitive programming, external projects, workshops on thematic areas, and Hackathons. The cultural club focuses on drama, music, arts and related activities throughout the year. IIITS has adopted 5 villages under **Unnat Bharat Abhiyan** and students of social clubs take up a variety of development activities with focus on children, youth and elderly.

MTech in AI & ML

Senate & Programme Advisory Group

The Senate of IIIT Sri City has senior academics from institutes like IIIT Hyderabad, IIT Madras, IIT Bombay, IIT Delhi etc. and industry experts from leading organizations such as IBM, Intel, TCS etc. For Senate details visit <http://www.iiits.ac.in/home/governance/senate/>

Programme Advisory Group (PAG) helps the institute formulate the curriculum and support effective delivery of the programme. The PAG of MTech AI & ML consists of the following experts:

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|---|---|
| 1. Prof. Balaraman Ravindra
Professor & Head, The Robert Bosch
Centre for Data Science and AI, IITM | 3. Ms. Shalini Kapoor
IBM Fellow & CTO for AI
IBM Research |
| 2. Dr. Manish Gupta
Director
Google Research | 4. Dr. Venkatesh Sarangan
Principal Scientist
Tata Consultancy Services |

MTech AI & ML Curriculum

The curriculum of MTech Programme covers a total of 64 credits, necessary for completing graduation requirements. The total number of 64 credits is divided into two parts: a) course work that spans over the first two semesters requires the completion of 40 credits and b) the industry-based project work requires the completion of 24 credits that lead to MTech Dissertation.

Semester 1

1. Artificial Intelligence and Knowledge Representation
2. Machine Learning
3. Advanced Data Structures and Algorithms
4. Mathematical Foundations

5. AI and Ethics (Seminar Course)

Semester 2

1. Deep Learning
2. Data Analytics and Visualization
3. Elective-1
4. Elective-2
5. Elective-3

Electives:

1. Computer Vision
2. Natural Language Processing
3. Information Retrieval
4. Data Mining
5. Robotics
6. Probabilistic Graphical Models
7. Big Data Analytics
8. Reinforcement Learning
9. Advanced Optimization

Admission Process for Non-GATE Candidates

Eligibility

- Non-GATE candidates with B.Tech./B.E. in CSE/ECE/equivalent branches are eligible to apply for admission through the institute admission process.
- In the qualifying degree, the candidates should have passed and secured at least 6.5 CGPA (on a 10-point scale) or 60% for GEN/GEN-EWS/OBC, whereas 6.0 CGPA (on a 10-point scale) or 55% in case of SC/ST/PwD candidates. The above mentioned CGPA/Percentage should be awarded by a recognized University/Institute.
- Only the primary mode of evaluation (CGPA or percentage) as mentioned in the qualifying degree certificate/mark sheet shall be considered while verifying eligibility.
- Conversion from CGPA to percentage or vice versa given by individual Institute/university will not be allowed.
- In case, the result of qualifying degree is awaited, provisional admission is permitted to a candidate subject to meeting above minimum qualifying degree requirements latest by September 15, 2022. In these cases, all exams should have been completed by July 30, 2022. A certificate from the head of the current institute to that effect should be submitted during document verification (the format is provided at IIITS website).

Application Fee

Gen/OBC-NCL/Gen-EWS Candidates	SC/ST/PWD Candidates
Rs. 300	Rs. 150

Selection Process

Non-GATE with an undergraduate degree from CFTI institutes

- The CFTI applicants will be screened on the basis of their previous academic records and must have at least 8.0 CGPA.
- The screened candidates have to appear for a Coding Test and an Interview at IIIT Sri City.

Non-GATE General candidates (Non-CFTI or CFTI with < 8.0 CGPA)

- The applicants will be screened on the basis of their previous academic records.
- The screened candidates have to appear for a written exam at IIIT Sri City. The syllabus of the test is similar to GATE. The outcome of the test will be used to do the second screening.
- Those who pass the second screening have to appear for a Coding Test and an Interview at IIIT Sri City.
- Candidates with work experience will be given additional weightage in the selection process.

Fee Details

Programme Name	Fee Details		Mess Fee
	OC/OB/EWS	SC/ST	
	Hostellers	Hostellers	
M.Tech in AI & ML	Tuition Fee : Rs.125000/- per semester Admission Fee : Rs.15,000/- (One-time payment) (Non-refundable) Refundable Caution Deposit : Rs.15000/- (One-time payment) (Refundable) Hostel Fee : Rs.18,000/- per semester Accidental Insurance and other benefits : Rs.1000/- per annum	Tuition Fee : Rs.125000/- per semester Admission Fee : Rs.15,000/- (One-time payment) (Non-refundable) Refundable Caution Deposit : Rs.15000/- (One-time payment) (Refundable) Hostel Fee : Rs.18,000/- per semester Accidental Insurance and other benefits : Rs.1000/- per annum	Rs. 20,000/- (Payable at the beginning of each semester)

Assistance

- Outstanding and interested Non-GATE students can be also offered stipends via Teaching Assistantship.
- Institute may conduct a separate evaluation to judge the motivation and knowledge of the student for the teaching assistantship.
- The amount of assistance and load of assistantship will be decided by the institute from time to time.

Application Form

The candidate has to fill the application form in a prescribed format and the online application form.

The formatted application form is available at:

<http://www.iits.ac.in/admissions/m-tech-programme/aiml/>

Online Application is available at: <https://forms.gle/vNp2pNzjybZXBpgi6>

The completed application form along with self-attested copies of all the necessary documents may be sent to the following address:

Academic Office – M.Tech. Admissions
Indian Institute of Information Technology Sri City, Chittoor
630 Gnan Marg, Sri City – 517 646
Chittoor District, Andhra Pradesh, India

The scanned copy of the signed application form along with the scanned copies of the necessary documents may be sent through the email to: admissions.support@iiits.in or mtech.admissions@iiits.in on or before 17:00 hours on 12th August 2022 and the hard copy application along with necessary documents should reach on or before 17th August 2022.

Contact:

For any programme related queries, you may contact:

Dr. Arijit Roy / Dr. Pavan Kumar

Email: arijit.r@iiits.in/pavankumar.bn@iiits.in

Contact No: +91 8374849885 / +91 8374655933

For any other general/admission queries, you may contact:

Ms. Suneetha

Email: mtech.admissions@iiits.in

Contact No.: +917306473364

Ms. Neha Sharma

Email: admissions.support@iiits.in

Contact No.: +918374849552