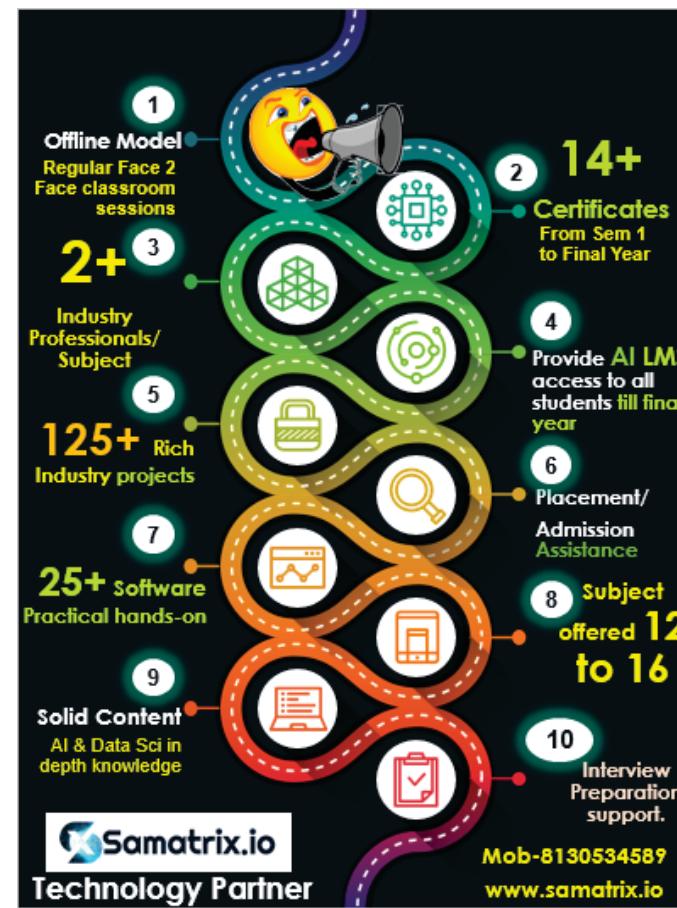


Salient Features



Courses offered

Courses delivered by Department	Courses delivered by Industry
Computer Concepts & Programming	Introduction to Artificial Intelligence
Java Programming	Data Analysis using Python
Data Structures and Algorithm	Probabilistic Modelling and Reasoning with Python
Design and Analysis of Algorithm	R Programming for Data Science And Data Analysis
Database Management Systems	Machine Learning and Pattern Recognition
Computer Network	Advance Machine Learning with Python
Operating System	Neural Networks
Software Engineering	Deep Learning Practical with Python, TensorFlow and Keras
Information and Network Security	Natural Language Processing
Advance Computing	Data Visualization

Student Activities



Training and Placement Preparation



Students Internship & Project tie-up with Reputed Industries



CHARUSAT®
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

NAAC GRADE **A+**

CENTER OF EXCELLENCE
GOVT. OF GUJARAT

ICARE RATINGS
GSIRF
GOVERNMENT OF GUJARAT

nirf
ONE OF THE TOP THREE
UNIVERSITIES OF GUJARAT
WITH NIRF RANKING

CHANDUBHAI S. PATEL
INSTITUTE OF TECHNOLOGY

Department of
Artificial Intelligence and
Machine Learning
in collaboration with

Samatrix.io
(Industry Partner)



Sundar Pichai
CEO, Google



Barack Obama
Former President, USA

AI is the main tool behind new-age innovation and discoveries like driverless cars or disease detecting algorithm.

Generalized AI is worth thinking about because it stretches our imaginations and it gets us to think about our core values and issues of choice



Elon Musk
Founder & CEO, Tesla, SpaceX



Jeff Bezos
Founder & CEO, Amazon

Artificial Intelligence will be 'vastly smarter' than any human and would overtake us by 2025.

We are now solving problems with machine learning and AI that were...in the realm of science fiction for the last several decades

About Department

Bachelor of Technology (Artificial Intelligence and Machine Learning): 60

- Department of Artificial Intelligence and Machine Learning offers B.Tech (Artificial Intelligence and Machine Learning) with an intake of 60 seats.
- The department has an excellent industry connect and engages in MOUs with top training and development companies in the technology sector.
- Highly qualified faculty members are committed to impart technical & research based quality education and also focus on infusing confidence in the minds of students to develop them as entrepreneurs.
- The department is dedicated towards enhancing academic activities and fostering students' inventive talents through ongoing development of the teaching and learning process.
- Department has received grant from NVIDIA for the development of Embedded Machine Learning Lab.

Academy

Apart from regular teaching, faculty provides coaching for international certifications.



Students Chapters

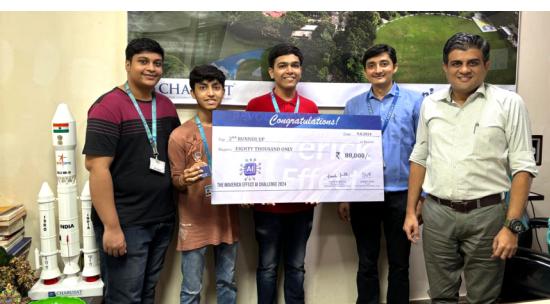
Students community is involved in various technical events through different chapters and club activities.



Innovators Club

Math for AI

AI for All



CVM Hackathon 2025

MAVERICK EFFECT AI CHALLENGE

Teaching Methodologies & Learning



MOUs

- CHARUSAT-Motorola Solutions Research and Innovation Center (CMRC):** Students are getting industry exposure while they learn.
- Center of Excellence under Unnati Program:** Students are getting trained for futuristic technology.
- Info Percept:** Students are getting skills for cyber security domain and technology diversity.
- Redhat Academy Partner:** Students are getting trained for Redhat System Administration and OpenShift Applications
- CodeChef:** Students are getting exposure to compete with students of International level to resolve logical problems.

Student Supports and Best Practices

- Enhance learning through online platforms NPTEL, COURSERA, SWAYAM, edX, Moodle, Edmodo, Leetcode, Coding Ninja and video lectures for the students is a general practice.
- Students are assisted for various competitive exams, like TOEFL, GRE, GATE, CAT, Professional Readiness Support, etc.
- Training is imparted in the area of communication skill and aptitude to the students to make them employable.
- Department is regularly hosting short-term visits by accomplished researchers from various countries under ENDOWMENT CHAIRACTIVITY.
- Opportunities to conduct research and develop live projects with faculty allow students to craft unique educational experience.
- Students get exposure to adapt industrial practices, improve their critical thinking and develop technical proficiency by taking summer internships in renowned companies.



Student Support Activities

Students Experience @ CHARUSAT



As a part of the AI & ML department I can confidently say that the AI & ML department offers a program specializing in AI and ML that provides students with ample resources to pursue their passions. The faculties are committed towards providing practical, hands-on learning in Collaboration with leading tech companies such as NVIDIA and incorporate innovative learning experiences such as MOOCs. The program emphasizes collaboration and community, providing opportunities for group projects and mentorship, enabling students to learn and grow alongside their peers. Students can build valuable relationships and connections that will undoubtedly serve them well in the future.

-Aum Barai (22AIML002)



The CSPIT at CHARUSAT provides a top-notch AI & ML course with dedicated faculty and state-of-the-art infrastructure. Along with scholastic activities, the institution offers extra-curricular activities that focus on developing a modern approach and technological temperament in students. The joint-wing of alumni, faculty, and student chapters organizes events such as Hackathons and coding competitions, providing practical experience to students. Tech clubs like GDSC, CLDC offer workshops on Data Science and ML. The CSPIT's research platform and Open source contributions have opened doors to scientific communities like IEEE. The AI & ML course at CSPIT offers a premier collaborative learning environment that focuses on skill development and is on par with most reputed institutes in the country. It is a must-opt course required in the ever-growing scientific, modern world.

-Meet Radadiya (22AIML042)



The AI & ML course at CHARUSAT is highly recommended for students interested in a career in AI and ML. The course has excellent faculties who use online coding platforms like HackerRank, CodeChef, and Coding Ninjas to provide interactive and competitive coding exercises, quizzes, and challenges. These platforms help students practice concepts in a supportive environment and receive immediate feedback.

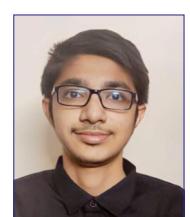
The faculty is highly supportive and provides students with plenty of opportunities to ask questions and seek assistance. Overall, the collaborative learning environment and course content prepare students for a rewarding career in the growing field of AI and ML.

-Devarshi Dave (22AIML007)



The faculty is exceptional in not only teaching subjects but also connecting them with real-life applications and enhancing students' critical thinking skills. Counselors conduct regular interactive sessions, providing motivation to students. The most productive aspect of the university is the numerous student-led workshops that increase students' knowledge and experience. The placement-centric environment is modern, with the use of club culture for betterment and interactive learning. The university is an excellent choice for those interested in AI and ML, making their dreams come true.

-Pooja Mehta (22AIML020)



Charusat University offers excellent opportunities for students to participate in sports and extracurricular activities while maintaining a strong academic focus. The Spoural Festival, Inter-University Tournaments, and NCC National Cadet Corps provide students with opportunities to develop physically and mentally. Despite numerous extracurricular activities, academic standards are not compromised, and the university prioritizes the well-being of its students.

-Hiren Modhvadia (22AIML023)