



Karunya

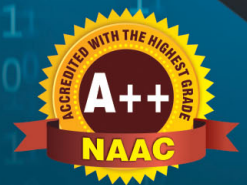
DEEMED UNIVERSITY

SOLVING HUMAN PROBLEMS
NAAC Accredited A++



Division of
**ARTIFICIAL
INTELLIGENCE and
MACHINE LEARNING**

Accreditation



Global Rating



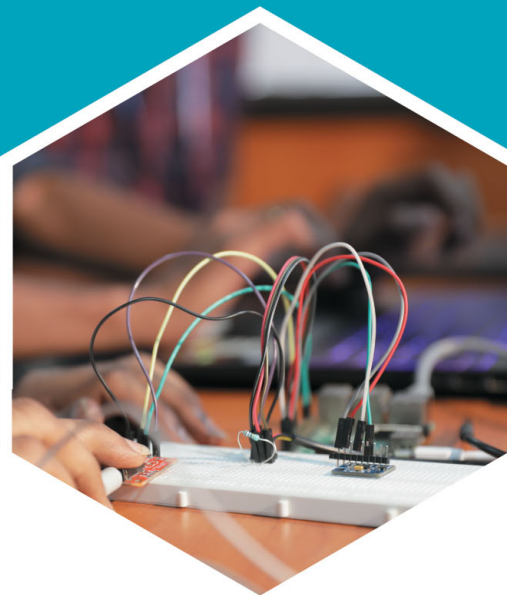
India Rating



Global Ranking



ADMISSIONS
2024



▶ About Us

The Division of Artificial Intelligence and Machine Learning offers an educational environment designed to immerse students in the futuristic realms of Artificial Intelligence & Machine Learning Engineering.

Our primary aim is to equip students with the knowledge and skills necessary to excel in the industry and develop advanced systems fit for the space-age. Through a curriculum focused on acquiring, analyzing, designing, and implementing concepts, we empower students to tackle challenges, drive innovation, and compete effectively.

Capstone projects form a crucial part of this journey, enabling students to transition into skilled professionals prepared for the workforce or equipped to launch their entrepreneurial ventures. Whether you aspire to implement cutting-edge technologies in software systems or pioneer new advancements, the Division of Artificial Intelligence and Machine Learning provides the tools and resources to realize your ambitions.

▶ Vision

To raise competent Computer Science and Engineering professionals for global challenges using the transformative capabilities of artificial intelligence and machine learning.

▶ Our Mission

- To provide a distinctive education focused on academic and research excellence in the realms of artificial intelligence and machine learning.
- To deliver transformative solutions that positively impact the society in the areas of Healthcare, Water, Sustainable Energy and Food, utilizing the cutting-edge advancements in artificial intelligence and machine learning.
- To inculcate ethics in professionals and render service to the society with integrity influenced by advancing artificial intelligence for transformative changes.

▶ Programs Offered

- **B.Tech.** Computer Science and Engineering (Artificial Intelligence and Machine Learning) - 4 Years FT
- **B.Tech.** Computer Science and Engineering (Artificial Intelligence) - 4 Years FT

▶ Unlocking the Future with AI and ML

Welcome to a world where innovation knows no bounds, where technology empowers us to achieve the extraordinary. In this era of rapid advancements, Artificial Intelligence (AI) and Machine Learning (ML) stand as beacons of transformative change, shaping the landscape of industries and redefining what's possible.

▶ Why AI and ML?

- **Pioneering Technologies:**
AI and ML are at the forefront of technological advancements. Understanding these concepts is not just an option but a necessity for staying relevant in today's dynamic job market.
- **Industry Integration:**
From healthcare to finance, entertainment to transportation, AI and ML are transforming industries. Equip yourself with the skills to thrive in diverse sectors and make a meaningful impact.
- **Career Opportunities:**
The demand for AI and ML professionals is skyrocketing. Our programs are designed to prepare you for exciting careers in data science, artificial intelligence research, machine learning engineering, and more.

► Areas of Academics & Research

- Generative AI
- Explainable AI (XAI)
- Healthcare AI
- Reinforcement Learning
- Edge AI and Federated Learning
- Experiential AI
- Meta-Learning

► Career Prospects

- Machine Learning Engineer
- Data Scientist
- Artificial Intelligence Engineer
- Machine Learning Architect
- AI Research Scientist
- Quantum Computing Engineer (with AI focus)
- Computer Vision Engineer
- Cybersecurity Analyst (with AI specialization)
- Natural Language Processing (NLP) Engineer
- Robotics Engineer
- Healthcare AI Specialist
- Financial Analyst (with AI focus)
- AI Product Manager

► Industry Connected Centres and Laboratories

- SUSE Centre of Excellence for Cloud Computing.
- Microsoft Centre for Data Science & Artificial Intelligence.
- AI Skills Lab (Supported by Intel & Dell).
- CISCO Centre for Advanced Networking.

- IBM Big Data Software Centre of Excellence.
- NVIDIA Centre for Artificial Intelligence.
- Intel Unnati AIIoT Lab.
- Computing Security Lab.
- Software Product Development Lab.

► Salient Features

- Comprehensive curriculum covering fundamental and in-depth topics in AI and ML.
- Hands-on projects to work on industry-relevant problems and datasets.
- Exposure to popular AI and ML frameworks and tools like TensorFlow, PyTorch, and scikit-learn.
- Courses taught by experienced professors and industry experts with a strong background in AI and ML.
- Events, seminars, and workshops that facilitate networking with professionals and researchers in the field.
- Collaborative projects that encourage teamwork and peer learning.
- Culmination of the program with a capstone project that allows students to showcase their skills and knowledge.
- Partnerships with industry organizations to provide internship opportunities for practical experience.
- Academic support services such as tutoring, mentorship, and access to additional resources.

- Availability of online, part-time, or evening classes to accommodate different schedules.
- Assistance in connecting graduates with job opportunities in the field through career services and networking events.
- Global internship opportunity with a stipend ranging from INR 40,000 to 2,00,000.



► International Internships through IAESTE



Established in 2001 at Karunya Institute of Technology and Sciences (KITS), IAESTE (International Association for the Exchange of Students for Technical Experience) India has emerged as a vital hub for facilitating student exchange programs aimed at technical internships abroad.

Serving as the IAESTE India Local Committee, KITS has become a pivotal point of contact for numerous young Indian students aspiring to pursue internships overseas, while also serving as a platform for international students visiting India on exchange programs. IAESTE offers hands-on experience across various fields including Engineering, Technology, Natural Sciences, Arts, Media and Management. With a global network spanning over 90 countries, IAESTE provides

international training opportunities at esteemed universities, research institutions, enterprises and commercial entities. Emphasizing quality and excellence, IAESTE Karunya has, over the past two decades, facilitated the exchange of over 350 foreign nationals to pursue internships at Karunya Institute of Technology and Sciences and within India's Research & Development sector.

In reciprocation, more than 400 students from KITS have been provided internship opportunities abroad, with an average stipend of USD 900 per month (approximately INR 75,000). IAESTE internships serve as a significant addition to students' Curriculum Vitae, offering real-world work experience aligned with their studies, with flexibility in duration and timing.

► Major Recruiters



► Preplacement Assistance & Placement Process

- Aptitude Tests
- GD Trainings
- Personal Interviews
- Alumni Mentoring & Hand holdings



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**APPLY
NOW**

The Head of the Division
Artificial Intelligence and
Machine Learning

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