

# ARTIFICIAL INTELLIGENCE (AI)

**AI 500. Fundamentals of Artificial Intelligence. 3 Credit Hours.**

This course provides a comprehensive introduction to AI, blending theoretical foundations with practical applications to equip students with essential AI knowledge and skills. Students will explore the history and evolution of AI, key technologies such as machine learning, deep learning, and natural language processing (NLP), as well as emerging advancements in generative AI. The course emphasizes hands-on experience with AI tools enabling students to build and experiment with AI-driven solutions. The course culminates in a team-based project, where students apply their learning to develop an AI application aligned with their interests. By the end, students will have a strong foundation in AI concepts, practical proficiency with AI tools, and an understanding of AI's transformative impact across industries.

Session Cycle: Every Semester.

**AI 510. AI Ethics and Society. 3 Credit Hours.**

As Artificial Intelligence (AI) has increasingly been integrated across all sectors of society; it is critical to examine the challenges and ethical implications of its widespread use. This course offers a comprehensive exploration of the ethical challenges arising from the practice of AI including principles of fairness, bias, privacy, accountability, and transparency. Through critical thinking and discussion, students will analyze real-world applications, assess ethical concerns across various AI implementations, and explore how regulatory frameworks and public policies influence ethical practices. By the end of the course, students will have a strong foundation on ethical considerations in AI and be equipped to critically engage in discussions on its ethical use and societal impact.

Session Cycle: Every Semester.

**AI 600. AI Applications in Business. 3 Credit Hours.**

This course provides a comprehensive exploration of artificial intelligence (AI) and its strategic applications across key business domains. Students will examine how AI transforms industries, enhances decision-making, and creates competitive advantages while addressing ethical, technical, and governance challenges. The course begins by identifying AI's opportunities, limitations, and emerging trends before diving into machine learning and generative AI applications in business. Students will explore AI's role in marketing, finance, supply chain, and human resources through case studies, hands-on exercises, and interactive discussions. Special focus is given to human-centric AI design, AI strategy development, and governance frameworks to ensure responsible and effective implementation. A semester-long team project challenges students to apply AI concepts to real-world business problems, culminating in a final presentation.

Session Cycle: Every Semester.