Gandaki University

Faculty of Science and Technology

Masters of Information Technology - Artificial Intelligence (MIT-AI)

Course Structure

Semester	Courses	Credit
First	Python Programming with Data Science	3
	Statistical Machine Learning	3
	Introductory Artificial Intelligence	3
	Discrete Optimization	3
	Research Methodology	3
Second	Deep Learning	3
	Elective I	3
	Elective II	3
	Algorithms for Graphs and Networks	3
	Seminar	2
	Ethics of AI	1
Third	Natural Language Processing	3
	Computer Vision	3
	Elective III	3
	Business Analytics and IT Strategies	3
	Research Project	3
Fourth	Thesis	15

Elective Courses:

Elective I	**Elective II**	**Elective III**
Genetics Science	Fuzzy System	AI and Agriculture
Big Data Analytics	AI and Information Security	AI and Tourism
Human Computer Interaction	Quantum Computing	AI and Health
Intelligent Information Retrieval	Recommendation System	AI and E-Governance
Social Media Mining	IoT (Smart Computing)	Advanced Computational Methods for Materials
Computational Material Science	AI Applications in Material Science	AI-Driven Material Design

To enroll in an elective course, students must consult with their graduate advisor. Based on the student's undergraduate background, interests, and aptitude, the advisor will determine eligibility for the elective course. Additionally, the availability of elective courses will depend on the university's resources.