

(Bachelor of Vocation) – Artificial Intelligence

Duration: 3 Years (6 Semesters)

Program Type: Undergraduate Degree Program

Specialization: Artificial Intelligence

Note: Subject codes may vary by university. The following is a standard university-style curriculum with sample subject codes.

Semester I

Subject Code	Subject Name
AI101	Fundamentals of Computer Science
AI102	Programming in Python
AI103	Mathematics for AI
AI104	Digital Electronics
AI105	Communication Skills
AI106	Environmental Studies
AI107P	Python Programming Lab
AI108P	Computer Fundamentals Lab

Semester II

Subject Code	Subject Name
AI201	Data Structures and Algorithms
AI202	Database Management Systems
AI203	Statistics for Artificial Intelligence
AI204	Object-Oriented Programming
AI205	Professional Communication
AI206	Web Technologies
AI207P	Data Structures Lab
AI208P	DBMS Lab

Semester III

Subject Code	Subject Name
AI301	Introduction to Artificial Intelligence
AI302	Machine Learning Fundamentals
AI303	Data Analytics
AI304	Operating Systems
AI305	Computer Networks
AI306	Aptitude & Soft Skills
AI307P	Machine Learning Lab
AI308P	Data Analytics Lab

Semester IV

Subject Code	Subject Name
AI401	Deep Learning
AI402	Natural Language Processing
AI403	Data Visualization
AI404	Cloud Computing
AI405	Internet of Things (IoT)
AI406	Minor Project
AI407P	Deep Learning Lab
AI408P	NLP Lab

Semester V

Subject Code	Subject Name
AI501	Computer Vision
AI502	Reinforcement Learning
AI503	Big Data Analytics
AI504	AI Ethics & Governance
AI505	Robotic Process Automation
AI506	Internship / Industrial Training
AI507P	Computer Vision Lab
AI508P	Big Data Lab

Semester VI

Subject Code	Subject Name
AI601	Generative AI
AI602	Advanced Machine Learning
AI603	AI Project Management
AI604	Entrepreneurship Development
AI605	Cyber Security for AI Systems
AI606	Major Project / Dissertation
AI607P	Project Viva Voce
AI608P	Industry Case Study