

Course Structure

Applied Artificial Intelligence for All: Foundations to Job-Readiness

Course Objective

This course aims to democratize Artificial Intelligence education by making it accessible to students from Arts, Commerce, and Science backgrounds, empowering them with job-ready AI skills for today's digital workforce.

Course General Details

Component	Details
Duration	6 Months
Mode	Hybrid (Online + Offline Labs)
Eligibility	Undergraduate students (Any stream)
Class Schedule	1 session of 2 or 3 hrs./week
Level	Beginner to Intermediate
Language	English (Hindi support available)
Certification	Institutional + Partner Certification
Career Support	Resume Building, Mock Interviews, Internships
Batch Strength	40 -50 Students

Course Modules (Tentative dates for and topics of lectures)

Date & Time	Duration	Module	Speaker/Instructor	Highlights
November 8, 2025 (Saturday, 2:30 - 3:00 pm)	0.5 hours	Inaugural session	Prof Navneet Goyal Prof. Shibani Khanna Jha Prof. Gopal Singh Phartiyal Prof. Yash Sinha	Preamble, Keynotes, and Participants
November 9, 2025 (Monday, 3:00 – 5:00 pm)	2 hours	Intro to AI	Prof. Gopal Singh Phartiyal	Use cases in daily life, myths, applications in Arts, Commerce, Science
November 15, 2025 (Saturday, 2 pm-4 pm)	2 hours 2 hours	Data Literacy 4 Hrs.	Prof. Yash Sinha	Excel, Sheets, data cleaning, dashboards
November 22, 2025 (Saturday, 2 pm-4 pm)				
November 22, 2025 (Saturday, 2 pm-5 pm) November 29, 2025* (Saturday, 2 pm-5 pm)	3 hours 3 hours	Python for Everyone - 6 Hrs.	Prof. Yash Sinha	Visual tools, coding from zero, no prior background needed Online open-source kernels: Colab, Kaggle
December	<i>Planning for Capstone Projects</i>			
January 3, 2026 (Saturday, 2 pm-4 pm)	2 hours	Math for AI – 4 Hrs.	Prof. Gopal Singh Phartiyal	Basic stats, logic, no advanced math required Crash course, including coding with Python
January 10, 2026 (Saturday, 2 pm-4 pm)	2 hours			
January 17, 2026 (Saturday, 2 pm-5 pm) January 24, 2026 (Saturday, 2 pm-5 pm) January 31, 2026 (Saturday, 2 pm-5 pm)	3 hours 3 hours 2 hours	Machine Learning Simplified – 8 Hrs.	Prof. Gopal Singh Phartiyal	Regression, classification, K-Means, Colab/Kaggle projects using Scikit learn
February 14, 2026 February 21, 2026	3 hours 3 hours	Deep Learning Introduction 8 Hrs.	Prof. Yash Sinha	Visual learning, image classification using Teachable Machine

February 28, 2026	2 hours			
March 14, 2026	3 hours	Natural Language	Prof. Gopal Singh Phartiyal	Sentiment analysis, chatbot
March 21, 2026	3 hours	Processing 6 Hrs.		development
March 28, 2026	3 hours	AI in Industry 6 Hrs.	Prof. Yash Sinha	Case studies from Banking, Retail,
April 4, 2026	3 hours			Healthcare, Societal
December - April	Capstone Project	Prof. Gopal Singh Phartiyal & Prof. Yash Sinha	Custom projects based on student's stream	
Can be taken in offline mode during the visit to the Campus	2 hours	Career & Placement Training – 2hrs		Resume, GitHub, LinkedIn, mock interviews

Remarks: A few lectures are of 3 hours' duration to adjust the timeline of the course as we will now begin the course on November 8, 2025. A short break can be given in between if the faculty is fine with it. The allotted dates are tentative and can be adjusted considering the academic calendars of both the institutions.

Evaluations guidelines

- On Google Classroom (GC) or Moodle (Nalanda)
- Create credentials for participants and assimilate attendance.
- Evaluative components can be created on GC and can be dispensed during (random timing) lecture sessions.
- Quick questions that can be pushed from GC. 10 questions (overall during one session) in bursts of 3-4 at a time.
- Capstone project components and sub-tasks will be shared regularly over the course timeline.
- Regular component-wise submissions will be requested.
- The timeline will be based on the students' learning pace.