



Curriculum and Credit Framework
For
Postgraduate Programme
[Postgraduate diploma in Artificial Intelligence]

(Academic Year 2026-27)

AURO UNIVERSITY
#earthspace, Opp. ONGC, Bhatpore, Hazira Road
Surat 394510, Gujarat

Name of Program: PGDAI

Specialization:

Artificial Intelligence

Year I Semester - 1

| S.No. | Course Title | L | T | P | Credits |
|----------------------|---|----------|----------|----------|----------------|
| 1. | Artificial Intelligence and Machine Learning | 3 | 1 | 0 | 4 |
| 2 | Python Programming | 3 | 0 | 0 | 3 |
| 3. | Internet of Things for Industry 4.0 | 3 | 0 | 0 | 3 |
| 4. | Real Time Operating System | 3 | 1 | 0 | 4 |
| | Any one of the following electives (Elective-I): | 3 | 0 | 2 | 4 |
| 5. | Data Mining | | | | |
| | Business Intelligence | | | | |
| 6 | Python Programming Lab | 0 | 0 | 2 | 1 |
| 7. | Internet of Things Lab | 0 | 0 | 2 | 1 |
| 8. | Science of Living I | 2 | 0 | 0 | 2 |
| 9. | Physical Education, Sports & Yoga – I (Audit Course) | 0 | 0 | 2 | 1 |
| Total Credits | | | | | 23 |

Semester - 2

| Sr. No | Course Title | L | T | P | Credits |
|--------------|--|-----------|----------|-----------|-----------|
| 1. | Neural Networks and Deep Learning | 3 | 0 | 0 | 3 |
| 2. | Prompt Engineering and LLM Applications | 3 | 0 | 0 | 3 |
| 3. | Natural Language Processing (NLP) | 3 | 0 | 0 | 3 |
| 4. | Application of Machine Learning in Industries | 4 | 0 | 0 | 4 |
| | Any one of the following electives (Elective-II): | 3 | 0 | 2 | 4 |
| 5. | Computer Vision and Digital Image Processing | | | | |
| | Data Analytics using R | | | | |
| 6. | Deep Learning Lab | 0 | 0 | 2 | 1 |
| 7. | NLP Lab | 0 | 0 | 2 | 1 |
| 8. | Prompt Engineering Lab | 0 | 0 | 2 | 1 |
| 9. | Science of Living II | 2 | 0 | 0 | 2 |
| 10. | Physical Education, Sports & Yoga – II (Audit) | 0 | 0 | 2 | 1 |
| Total | | 18 | 0 | 10 | 23 |

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|-------------------------------------|-----------|
| Total of SEMESTER 2 (22+ 1) | 23 |
| Total Credits for FIRST YEAR | 46 |