

NPTEL DOMAIN CERTIFICATIONS

- Candidates will have to take a minimum of 6 courses including all the core courses prescribed.
- Required final score in each course to be eligible for the domain level certification will be not lesser than 55 and a total in the 6 courses to be > 360.
- It is recommended that the 6 courses be completed within a period of 3 years from the date of starting the first course. Exceptions will be made for those who have completed a few of these in the last 2 years.

The list of courses for 3 bundles are given below. Courses may be added as required to this bundle.

1. Certification in Data Sciences (3 core + 3 electives)

S. No.	Course name	Duration (in weeks)	Core / Elective
1	Python programming course	8	Core
2	Data Analytics – Introductory course	8	Core
3	Machine Learning course	8/12	Core
1	Deep Learning	12	Elective
2	Computer Vision	12	Elective
3	Natural Language Processing	12	Elective
4	Reinforcement Learning	12	Elective
5	AI – Search methods for Problem solving	12	Elective
6	AI – Knowledge Representation and Reasoning	12	Elective

2. Certification in AI (4 core + 2 electives)

S. No.	Course name	Duration (in weeks)	Core / Elective
1	AI – Search methods for Problem solving	12	Core
2	AI – Knowledge Representation and Reasoning	12	Core
3	Programming using Python	8	Core
4	Introduction to Machine Learning	8/12	Core
1	Deep Learning	12	Elective
2	Computer Vision	12	Elective
3	Natural Language Processing	12	Elective
4	Reinforcement Learning	12	Elective
5	AI – Constraints Satisfaction	8	Elective

3. Domain certification in Programming (4 core + 2 electives):

S. No.	Course name	Duration (in weeks)	Core / Elective
1	PDSA using Python	8	Core
2	Programming in C++	8	Core
3	Introduction to Java programming	12	Core
4	Data base management Systems	8	Core
1	Data Analytics- introduction	8	Elective
2	Introduction to Machine Learning	8/12	Elective
3	Introduction to Cloud Computing	8	Elective
4	Introduction to Internet of Things	12	Elective
5	App development	8	Elective