Final Plan for Clearing NPTEL ONLINE Certification Exam in Last 14 Days

NPTEL Last 14days Target: 50+/70

Topics	Details	Target Day	Target Date	Min time Requirement
1.Week 1	100% Theory	Day #1	11 Apr	3-4 hrs+ Daily Revision
2. Week 2	40%- Conceptual 60%- Theory	Day #2	12 Apr	3-4 hrs + Revision
3.Practice	Assignment + Practice Assignment Week1 & Week 2	Day #3	13 Apr	2hrs+ Revision
4.Week 3 ➢ Decision Trees ➢ Bayes Belief Networks ➢ Artificial Neural Networks ➢ Genetic Algo ➢ Logic Programming	Numerical Ques- 30% Conceptual Part- 50% Theory – 30%	Day #4	14 Apr	3-4 hrs
5.Week 4 ➢ Inductive Learning based on Symbolic Representations and Weak Theories ➢ Generalization as search ➢ Decision Tree Learning Algorithms	Numerical Part -30% Conceptual Part- 50% Theory -20%	Day #5	15 Apr	3-4hrs
6. Week 4 ➢ Instance Based Learning ➢ Cluster Analysis ➢ Practice of Week 3 & 4	Assignment & Practice Assignment Of week 3&4	Day #6	16 Apr	3-4 hrs
7. Week 5 ➢ Machine Learning enabled by Prior theories ➢ Explanation Based Learning ➢ Inductive Logic Programming	Numerical Part -25% Conceptual Part- 40% Theory -35%	Day #7	17 Apr	3-4 hrs
8. Week 5 ➢ Reinforcement Learning ➢ Case Based Learning ➢ Practice (assignment 5 & Practice Assignment 5)	Numerical Part -25% Conceptual Part- 40% Theory -35%	Day #8	18 Apr	3-4 hrs

9.Week 6 ➢ Fundamentals of Artificial Neural Networks ➢ Perceptions ➢ Model of Neuron in ANN ➢ Learning in a feed forward multiple layer ANN-Backpropagation ➢ Recurrent Neural Networks	Numerical -40% Conceptual -30% Theory-30%	Day #9	19Apr	3-4 hrs
10. Week 6 ➢ Hebbian Learning and Associate Memory ➢ Hopefield Networks & Boltzman Machines ➢ Convolutional Neural Networks ➢ Deep Learning ➢ Practice (Assignment 6 & P.Assignment 6)	Numerical -40% Conceptual -30% Theory-30%	Day #10	20 Apr	3-4 hrs
11. Week 7 ➢ Tools and Resources ➢ Interdisiciplianry Inspiration ➢ Practice (Assignment + Practice Assignment)	100% Theory	Day #11	21Apr	3-4 hrs
12. Revision ➢ Week 1 ➢ Week 2 ➢ Week 3		Days #12	22 Apr	3-4 hrs
13.Revision ➢ Week 4 ➢ Week 5 ➢ Week 6		Day #13	23 Apr	3-4 hrs
14.Revision ➢ Week 7 ➢ Numerical Questions ➢ Week 1		Day #14	24 Apr	3-4 hrs