

Project: Viterbi Algorithm to Predict Aerodynamic Control Laws of an Aircraft

Total Points: 30

Rubric for the grading of project:

Lab week	Interview topics	Marks
Week-1	Joint Probability and Conditional Probability	4.0
	Emission Matrix and Probability Transition Matrix	3.0
Week-2	Conceptual questions on Viterbi Algorithm	4.0
	Implementation of Viterbi algorithm in programming language	7.0
	Conceptual questions on hitting and return times to a Markov state	2.0
Week-3	Conceptual questions on Forward Algorithm	3.0
	Implementation of Forward algorithm in programming language	5.0
	Question -3	2.0

Assessment will be done in whole number multiples of 0.5 and the interview will start 1 hour after the beginning of the lab class.